



**Phase One Environmental Site
Assessment – 2656 Concession Road 4,
Bowmanville, Ontario**

Final Report

September 16, 2024

Prepared for:
Municipality of Clarington
40 Temperance Street,
Bowmanville ON L1C 3A6

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**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
2656 CONCESSION ROAD 4, BOWMANVILLE, ONTARIO**

Executive Summary
September 16, 2024

Executive Summary

Stantec Consulting Ltd. (Stantec) conducted a Phase One Environmental Site Assessment (ESA) at the property municipally described as 2656 Concession Road 4 in Bowmanville, Ontario, hereinafter referred to as the "Phase One Property". The Phase One ESA was conducted for the Municipality of Clarington to support the planned redevelopment of the Phase One Property. The objective of the Phase One ESA was to determine if Areas of Potential Environmental Concern (APECs) exist at the Phase One Property, which may be present as a result of current and/or past activities on the Phase One Property or adjacent/neighbouring properties within at least 250 metres (m) of the perimeter of the Phase One Property ("Phase One Study Area").

The Phase One ESA consisted of a site visit, an interview with a site representative, a review of available environmental documentation related to the Phase One Property, and preparation of a report. Stantec understands the filing of a Record of Site Condition (RSC) under Ontario Regulation 153/04 (O.Reg.153/04) is not required based on potential future development of the Phase One Property; however, the Phase One ESA was performed consistent with the requirements of O.Reg.153/04 and portions of the Canadian Standards Association (CSA) Phase I Environmental Site Assessment Standard Z768-01 (R2022) for Site Plan Approval purposes.

A legal site survey by Ontario Land Surveyor is currently outstanding and once provided will be included with the report.

Phase One Property Information

The Phase One Property is located northeast of the intersection of Liberty Street North and Concession 4 in Bowmanville, Ontario. The legal description of the Phase One Property is as follows:

- PT LT 10 CON 4 DARLINGTON AS IN N155845 EXCEPT PTS 43, 44, 45 & 46, 10R134; S/T N38706, N6546, N75380; MUNICIPALITY OF CLARINGTON

The Phase One Property is bordered by Concession Road 4 to the south, Liberty Street North to the west, and undeveloped and/or agricultural land to the north and east. The total area of the Phase One Property is approximately 13.2 hectares (32.7 acres).

According to the historical records reviewed, the Phase One Property was used for agricultural and residential purposes since at least 1969 with various buildings present. The first developed use has been determined to be for residential purposes. Based on the available aerial photographs a pipeline right-of-way transects the northern portion of the Phase One Property and has been present since at least 1969. The site representative confirmed that the pipeline is natural gas. No above ground infrastructure was identified on the Site. Based on the nature of the pipeline (transmission of natural gas), the pipeline is not expected to represent a PCA contributing to an APEC.



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A gravel driveway, which appeared to be at a slightly higher elevation than surrounding Phase One Property land, was observed at the Phase One Property during the site visit. The potential presence of fill material of unknown environmental quality used to build up the driveway represents a potential contaminating activity (PCA) contributing to an APEC (APEC #1).

According to the site contact, a fuel oil aboveground storage tank (AST) may have historically been present on the Phase One Property associated with the residential dwelling for heating purposes. No evidence of former fill and/or vent pipes were noted during the site reconnaissance. The potential presence of a former heating fuel AST represents a PCA contributing to an APEC (APEC #2).

A telephone pole with power lines was noted on the southwestern portion of the Phase One Property, north of the former dwelling and garage. It was reported that a former pole-mounted transformer was present on the pole. A pole-mounted transformer was also noted on the southeastern property boundary during the site reconnaissance. The current and historical pole-mounted transformers represent PCAs contributing to APECs (APECs #3 and #4).

Phase One Study Area

Neighbouring properties to the west, south, and east appeared to be developed for residential purposes since at least 1969, and the properties to the north have remained undeveloped forested land since that time.

The area immediately north of the Phase One Property included undeveloped, agricultural land and residential dwellings at the time of the site reconnaissance.

The area immediately south of the Phase One Property was occupied by Concession Road 4 followed by agricultural, residential, and commercial land uses. Based on aerial photographs, the area south of the Phase One Property has been used for agricultural, commercial, and residential purposes since at least 1969. The commercial uses south of the Phase One Property included the Bowmanville Golf and County Club at 3845 Middle Road (100 m southwest), which has been present since at least 1969, and retail store (Some Like it Hot) at 2681 Concession Road 4 (20 m south), which has been present since 2023.

Based on aerial photographs, an orchard was present at 3841 Liberty Street North, at its nearest point 20 m south of the Phase One Property, between 1969 and 1988. The former orchard at 3841 Liberty Street North represents a PCA; however, based on the distance from the Phase One Property and downgradient location it is not expected to contribute to an APEC at the Phase One Property.

The area immediately west of the Phase One Property included Liberty Street North followed by undeveloped forested land and residential land use at the time of the site reconnaissance.



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Conclusions and Recommendations

The Phase One ESA has identified APECs at the Phase One Property. The table below summarizes the APECs and related PCAs identified at the Phase One Property:

Area of Potential Environmental Concern (APEC)	Location of APEC	Potentially Contaminating Activity (PCA)	Location of PCA	Contaminants of Potential Concern ¹	Media Potentially Impacted
1	Southwestern Portion of the Phase One Property	PCA #1 Importation of Fill Material of Unknown Quality (30)	On-Site	PHCs, BTEX, PAHs, metals and inorganics, Hydride Forming Metals (As, Sb, Se), and ORPs Hg, Cr (VI) B-HWS, and CN, sodium and chloride	Soil
2	Former Dwelling on the Southwestern Portion of the Phase One Property	PCA #2 Gasoline and Associated Products Storage in Fixed Tanks (28)	On-Site	PHCs, BTEX, PAHs and metals	Soil Groundwater
3	Southwestern Portion of the Phase One Property North of the Former Dwelling	PCA #3 Transformer Manufacturing, Processing and Use (55)	On-Site	PHCs, PCBs	Soil
4	Southeastern Property Boundary	PCA #4 Transformer Manufacturing, Processing and Use (55)	On-Site	PHCs, PCBs	Soil

Note(s):

¹ Contaminants include petroleum hydrocarbons (PHCs); benzene, toluene, ethylbenzene and xylenes (BTEX); polycyclic aromatic hydrocarbons (PAHs); metals; hydride forming metals including arsenic (As), antimony (Sb) and selenium (Se); other regulated parameters (ORPs) including mercury (Hg), Cyanide (CN-), electrical conductivity (EC), sodium adsorption ration (SAR), sodium, chloride, hexavalent chromium (Cr[VI]), hot water soluble boron (B-HWS), polychlorinated biphenyls (PCBs).

Stantec understands that the filing of an RSC under O.Reg. 153/04 is not required if the intended land use does not change to be more sensitive than at present. The current land use is residential as defined in O.Reg. 153/04.

Although we understand an RSC is not required for the Phase One Property, a Phase Two ESA could be completed for due diligence purposes to evaluate soil and groundwater quality in the vicinity of the identified APECs.

The statements made in this Executive Summary are subject to the project conditions described in the Closure (**Section 8.4**) and are to be read in conjunction with the remainder of this report.



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1 Introduction

1.1 Phase One Property Information

Stantec Consulting Ltd. (Stantec) conducted a Phase One Environmental Site Assessment (ESA) at the property municipally described as 2656 Concession Road 4 in Bowmanville, Ontario, hereinafter referred to as the "Phase One Property". The Phase One ESA was conducted for the Municipality of Clarington to support the planned redevelopment of the Phase One Property. The objective of the Phase One ESA was to determine if Areas of Potential Environmental Concern (APECs) exist at the Phase One Property, which may be present as a result of current and/or past activities on the Phase One Property or adjacent/neighbouring properties within at least 250 metres (m) of the perimeter of the Phase One Property ("Phase One Study Area").

The Phase One Property is located northeast of the intersection of Liberty Street North and Concession 4 in Bowmanville, Ontario. The legal description of the Phase One Property is as follows:

- PT LT 10 CON 4 DARLINGTON AS IN N155845 EXCEPT PTS 43, 44, 45 & 46, 10R134; S/T N38706, N6546, N75380; MUNICIPALITY OF CLARINGTON

The Phase One Property is bordered by Concession Road 4 to the south, Liberty Street North to the west, and undeveloped and/or agricultural land to the north and east. The total area of the Phase One Property is approximately 13.2 hectares (32.7 acres).

A legal site survey by Ontario Land Surveyor has not yet been prepared for the Site. Once the survey has been completed it will be provided in **Appendix A**. Figures showing the Site Location, Phase One Study Area, the Phase One Property, and historical structures on the Phase One Property are included in **Appendix B**.

1.2 Contact Information

Stantec was commissioned by Brendan Grigg of the Municipality of Clarington to conduct the Phase One ESA. The Municipality of Clarington is the owner of the Phase One Property. Contact details for Brendan Grigg are provided in the table below:

Table 1: Owner Contact Information

Name	Position	Company	Address
Brendan Grigg	Supervisor of Building/Deputy CBO, Planning and Infrastructure Services	Municipality of Clarington	40 Temperance Street, Bowmanville ON L1C 3A6



2 Scope of Investigation

2.1 Scope of Work

Stantec understands the filing of a Record of Site Condition (RSC) under Ontario Regulation 153/04 (O.Reg.153/04) will not be required based on potential future development of the Phase One Property; however, the Phase One ESA was performed consistent with the requirements of O.Reg.153/04 and portions of the Canadian Standards Association (CSA) Phase I Environmental Site Assessment Standard Z768-01 (R2022) for Site Plan Approval purposes. The objectives of this Phase One ESA were to:

- Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One Property.
- Assess the need for a Phase Two ESA.
- Provide a basis for carrying out a Phase Two ESA, if necessary.
- Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Phase One Property to conduct a risk assessment following completion of a Phase Two ESA, if necessary.

A Phase One ESA is intended to reduce, but not necessarily eliminate, uncertainty regarding the potential for contamination at a property. The Phase One ESA carried out by Stantec at the Phase One Property generally satisfied the requirements of O.Reg.153/04, and consisted of the following:

- A review of records that included, but was not limited to:
 - Publicly available city directories, aerial photographs, fire insurance plans, geological and topographic maps.
 - Requests to the Ontario Ministry of the Environment, Conservation and Parks (MECP) for documents related to various environmental concerns associated with the municipal address that comprises the Phase One Property (e.g., spills, incident reports, etc.).
 - An Environmental Risk Information Services (ERIS) report consisting of a search of databases within a 250 m search radius from the perimeter of the Phase One Property.
 - Requests to the Technical Standards and Safety Authority (TSSA) for records related to fuel storage tanks, spills, and contamination records for the municipal address that comprises the Phase One Property
 - Requests to Opta Information Intelligence (Opta) for fire insurance plans (FIPs) and/or property underwriters' reports/plans available for the municipal address that comprises the Phase One Property.
 - Other available environmental databases and records, as applicable.
 - Available environmental reports previously completed for the Phase One Property.
- An interview of a person having knowledge of the Phase One Property.



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- A site reconnaissance visit to identify potentially contaminating activities (PCAs) associated with:
 - Current on-site operations.
 - Waste generation.
 - Fuel, chemical and waste storage.
 - Exterior conditions including surface features, fill material and wells.
 - Off-site activities and operations.
- Evaluation of information from records reviewed interviews and site reconnaissance.
- Preparation of a Phase One ESA report.

A Phase One ESA does not include sampling or testing of air, soil, ground water, surface water or building materials. This assessment did not include a review or audit of compliance with any environmental legislation applicable to the Phase One Property, or of any environmental management systems which may exist for the Phase One Property.

A site reconnaissance was conducted by Marissa Lusito of Stantec on August 8, 2024, under the supervision of Robyn Miller, P.Geo., who is registered as a Qualified Person (QP) with the MECP per requirements of Ontario Regulation 153/04. The Phase One Property and readily visible and publicly accessible portions of adjoining and neighbouring properties within the Phase One Study Area were observed for PCAs. The interiors of the buildings were not observed during the site reconnaissance due to the home being a boarded-up heritage home requiring renovation. Stantec was accompanied by Brendan Grigg of the Municipality of Clarington during the site reconnaissance. An interview was completed with Brendan Grigg during the site reconnaissance to obtain or confirm information on the current and historical operations at the Phase One Property. Photographs from the site reconnaissance are provided in **Appendix C**.

Qualifications of the project team are provided in **Appendix D**.

2.2 Regulatory Framework

In Ontario, the roles and powers of the MECP when dealing with contaminated sites are outlined primarily in the *Environmental Protection Act* (R.S.O. 1990). The MECP has a mandate to address conditions where there is an adverse effect, or the likelihood of an adverse effect, associated with the presence or discharge of a contaminant. Ontario Regulation 153/04 provides roles and responsibilities for property owners and consultants to use when assessing the environmental condition of a property when determining whether or not restoration is required and in determining the kind of restoration needed to allow continued use or reuse of a property. The regulation includes generic numerical standards for soil and ground water quality for specific land and ground water uses. A Phase One ESA is an initial step in the site assessment process, which may lead to the requirement for restoration work if areas of potential environmental contamination are identified. During a Phase One ESA, samples are not collected; however, if there are previous soil or ground water sample results available, the results are compared to applicable Ontario site condition standards.



3 Records Review

3.1 General

3.1.1 Phase One Study Area Determination

The Phase One Study Area included the Phase One Property, properties immediately adjoining the Phase One Property, and neighbouring properties located wholly or partially within 250m from the nearest point on the boundary of the Phase One Property. The presence or absence of landfills and/or coal gasification plants within 1 km on the Phase One Property were also evaluated. Based on the available information it was concluded that a boundary of 250m from the nearest point on the boundary of the Phase One Property was appropriate for the Phase One Study Area.

3.1.2 First Developed Use Determination

The former use of the Phase One Property was determined through a review of the following historical sources and additional resources referred to in **Section 8.0** of this report:

- Aerial imagery dated:
 - 1969, 1976, 1980, 1988, and 2021, purchased from ERIS
 - 2005, 2014, 2020 and 2023 – access from Google Earth Imagery
- Geowarehouse Property Details report

According to the historical records reviewed, the Phase One Property was used for agricultural and residential purposes since at least 1969. Based on the available aerial photographs a pipeline right-of-way transects the northern portion of the Phase One Property and has been present since at least 1969. The site representative confirmed that the pipeline is natural gas. No above ground infrastructure was identified on the Site. Based on the nature of the pipeline (transmission of natural gas), the pipeline is not expected to represent a PCA contributing to an APEC.

Neighbouring properties to the west, south, and east appeared to be developed for residential purposes by 1969, and the properties to the north have remained forested.

The first developed use has been determined to be for residential purposes.

3.1.3 Fire Insurance Plans

No fire insurance plans (FIPs) were available for the Phase One Property.



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3.1.4 Chain of Title

A chain of title report was searched for the Phase One Property. One title search was obtained from ERIS:

- 2656 Concession Road 4 - PIN: 26691-0015 (LT)

A summary of the information obtained from the chain of title reports is provided in **Section 6.1**. The chain of title report can be found in **Appendix E**.

3.1.5 Environmental Reports

No previous environmental reports were provided to Stantec for review.

3.1.6 City Directories

A city directory search was conducted for the Phase One Property by ERIS; city directory records between 1958 to 2021 were available and searched. Search results are summarized in **Table 2** below and included in **Appendix E**.

Table 2: Summary of City Directory Search

Year	Listing
1958	Street not listed
1966	Street not listed
1970/71	Street not listed
1975	Street not listed
1981	Street not listed
1985	Street not listed
1991	Street not listed
1995	Residential
2000	Residential
2008	Address not listed
2012	No listing found
2017	No listing found
2021	No listing found

Based on the city directory search, no PCAs contributing to APECs were identified at the Phase One Property.

3.1.7 Property Underwriters' Reports and Plans

No Property Underwriter's reports or plans were available for the Phase One Property.



3.2 Environmental Source Information

Available environmental databases and records were searched to determine if the Phase One Property and adjacent/neighbouring properties within the Phase One Study Area were listed. The databases and search results are presented in the following subsections.

3.2.1 National Pollutant Release Inventory (NPRI)

ERIS searched the *National Pollutant Release Inventory* (NPRI) database for all properties within the Phase One Study Area. No properties within the Phase One Study Area were listed in the NPRI database.

3.2.2 PCB Storage Sites and Inventory Databases

ERIS searched the *National PCB Inventory* and the *Ontario Inventory of PCB Storage Sites* databases for all properties within the Phase One Study Area. No PCB storage sites were listed within the Phase One Study Area.

3.2.3 Certificate of Approval / Environmental Compliance Approval

ERIS searched the *Certificates of Approval* and *Environmental Compliance Approval* databases for all properties within the Phase One Study Area. No *Certificates of Approval* and *Environmental Compliance Approval* records were listed within the Phase One Study Area.

3.2.4 MECP Freedom of Information Requests

A request submitted to the MECP's Freedom of Information and Protection of Privacy Office included a search for occurrence reports and general information from the District Office, investigation documents from the Investigations and Enforcement Branch, waste generator information from the Environmental Monitoring and Reporting Branch, and orders from the Sector Compliance Branch.

The searches pertain to the municipal address (2656 Concession Road 4) that comprises the Phase One Property, and current/former tenants and owners of the property, as listed below.



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Table 3: MECP Freedom of Information Responses

Address	Distance from Phase One Property	Response
2656 Concession Road 4	Phase One Property	A response dated September 5, 2024 indicated that no records were available for the Phase One Property

A copy of the decision letter listed above is provided in **Appendix E**.

3.2.5 Coal Gasification Plant Waste Sites

Stantec reviewed the report entitled *Inventory of Coal Gasification Plant Waste Sites in Ontario, (Volumes I and II)*, dated April 1987, prepared by Intera Technologies Ltd. for the Ontario Ministry of the Environment and Climate Change (MOECC). The documents include an inventory of all known coal gasification plants historically operating in Ontario. No properties within 1 km of the Phase One Property were listed as former coal gasification plants.

3.2.6 Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars

Stantec reviewed the report entitled *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario, (Volumes I and II)*, dated November 1988, prepared by Intera Technologies Ltd. for the MOECC. The documents identify industrial sites that produced and/or continue to produce or use coal tar and other related tars. No properties within 1 km of the Phase One Property were listed as industrial sites producing or using coal tar.

3.2.7 Hazardous Waste Generators and Receivers

ERIS searched the *Ontario Regulation 347 Waste Generators* and the *Ontario Regulation 347 Waste Receivers* databases for all properties within the Phase One Study Area. Where necessary, Stantec also utilized *Regulation 347 Public Information Datasets* obtained from the MECP to assist in quantifying the reported waste generation at each applicable property. No hazardous waste generators or receivers were listed within the Phase One Study Area.

3.2.8 Technical Standards and Safety Authority

A request was sent to the TSSA for records of outstanding instructions, incident reports, fuel oil spills, contamination records, retail facilities or licensed underground storage tanks pertaining to the municipal address of the Phase One Property (2656 Concession Road 4). It should be noted; however, that the Fuels Safety Division of the TSSA did not register private fuel underground or aboveground storage tanks prior to January 1990, or fuel oil tanks prior to May 1, 2002. Further, private waste oil tanks in apartments, office buildings, residences, etc. and aboveground gas or diesel tanks are not registered with the TSSA.



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A reply from the TSSA, dated September 3, 2024, indicated that no records relating to fuel storage were available for the Phase One Property. A copy of the response letter is provided in **Appendix E**.

3.2.9 Environmental Registry

ERIS searched the *Environmental Registry* database for all properties within the Phase One Study Area. Where necessary, Stantec also searched Ontario's online *Environmental Registry* to acquire additional details relating to the Instruments, if required. No properties in the Phase One Study Area were listed in this database.

3.2.10 Records of Site Condition (RSC)

ERIS searched the *Record of Site Condition* (RSC) database for all properties within the Phase One Study Area. No properties within the Phase One Study Area were listed in the RSC database searched by ERIS.

3.2.11 Areas of Natural Significance (ANSI)

The ANSI search did not identify any areas of natural and scientific interest located within 1 km of the Phase One Property. The ANSI search was sourced from the Ontario Ministry of Natural Resources and dated March 2017. A formal Environmentally Sensitive Area search would be required to determine if any Areas of Natural Significance, as defined in O.Reg. 153/04, are present within the Phase One Study Area.

3.2.12 Waste Disposal Sites

Stantec reviewed the information contained in the MECP document titled *Waste Disposal Site Inventory*, dated June 1991. The report includes a list of all known active and closed waste disposal sites in Ontario, as of October 31, 1990. Based on the information reviewed, no properties within 1 km of the Phase One Property were listed as active or closed landfill sites.

3.2.13 ERIS Report

An ERIS report was obtained as part of the Phase One ESA (included in **Appendix E**). The report consisted of a search of all available databases within a 250m radius of the perimeter of the Phase One Property. No records of environmental significance were identified within the Phase One Study Area.

Based on the limited information provided they did not appear to be associated with the Phase One Property; however, numerous unplotable listings were also noted in the ERIS report, including spills, waste generation, and Certificates of Approval. Additional information would be required to determine if these listings pose an environmental concern to the Phase One Property.



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3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Aerial photographs from 1969, 1976, 1980, and 1988 were obtained from ERIS and recent satellite imagery from 2005, 2014, 2020 and 2023 were viewed on Google Earth. These images were utilized to collect information about the historical activities within the Phase One Study Area.

Information obtained from these images was used to determine the first developed use at the Phase One Property (see **Section 3.1.2**) and to determine if PCAs were present at nearby properties within the Phase One Study Area (see **Section 6.2**).

Aerial photograph observations for the Phase One Study Area are included in **Table 4** below. Aerial photographs can be found in **Appendix E**.

Table 4: Phase One Property and Study Area Aerial Photograph Observations

Year	Phase One Property Observations	Phase One Study Area Observations
1969	Several buildings (one residential and various agricultural) were present on the southwest portion of the Phase One Property. Undeveloped forested land was present on the west, east, and north portions of the Phase One Property. The remainder of the Phase One Property was used for agricultural land. A pipeline right-of-way transects the northern portion of the Phase One Property. The pipeline was reported to be a natural gas pipeline by the site representative.	North: Undeveloped, forested land West: Liberty Street North followed by undeveloped, forested land and agricultural and residential land use South: Agricultural and residential land use, including an orchard located approximately 20 m south of the Phase One Property. A golf course is present approximately 100 m southwest of the Phase One Property East: Agricultural and residential land use
1976	Generally the same as the 1969 aerial photograph.	Generally the same as the 1969 aerial photograph.
1980	Generally the same as the 1976 aerial photograph.	Generally the same as the 1976 aerial photograph.
1988	Generally the same as the 1980 aerial photograph.	Generally the same as the 1980 aerial photograph, except for two residential properties are visible 200 m north of the Phase One Property.
2005	Generally the same as the 1988 aerial photograph.	Generally the same as the 1988 aerial photograph, except the orchard south of the Phase One Property is no longer visible.
2014	Generally the same as the 2005 aerial photograph.	Generally the same as the 2005 aerial photograph.
2020	Generally the same as the 2014 aerial photograph.	Generally the same as the 2014 aerial photograph.
2023	Generally the same as the 2020 aerial photograph, except two buildings are visible on the southwest portion of the Phase One Property and the remaining buildings appear to have been removed. Disturbed soil is visible on the southwest portion of the Phase One Property where the historical buildings were previously located.	Generally the same as the 2020 aerial photograph.



3.3.2 Topography, Hydrology, and Geology

3.3.2.1 Topography and Regional Drainage

Based on an Ontario Base Map and the observed topography in the vicinity of the Phase One Property, the surface drainage in the vicinity of the Phase One Property appears to be easterly on the eastern portion of the Phase One Property towards an unnamed tributary, immediately east of the Phase One Property and westerly on the western portion of the Phase One Property towards an unnamed tributary, approximately 50 m west of the Phase One Property. The tributaries flow to Soper Creek which ultimately flows south to Lake Ontario, which is located approximately 7.9 km south of the Phase One Property. Therefore, the general direction of regional groundwater flow near the Phase One appears to be to the south.

The elevation of the local groundwater table can generally mimic the local topography and may not reflect the regional trend in drainage. The local shallow groundwater flow pattern also can be influenced by subsurface structures in the vicinity, such as building foundations, weeping tiles, and utility trenches.

3.3.2.2 Hydrology and Surface Water Drainage

The exterior surfaces of the Phase One Property consist of predominantly agricultural fields (corn crops), low-lying vegetation and treed areas, and a gravel driveway. Surface water drainage is anticipated to occur via infiltration and/or overland flow.

3.3.2.3 Surficial Geology

Based on information obtained from an Ontario Geological Survey map from 2010, titled *Surficial Geology of Southern Ontario*, native surficial soils in the vicinity of the Phase One Property were reported to consist of glaciolacustrine deposits of sand, gravelly sand, and gravel and also of silt to silty clay matrix.

Water well records and borehole records listed in the ERIS report indicate that stratigraphy consisting of sand, silt, clay and gravel were encountered in the overburden soil around the Phase One Study Area.

3.3.2.4 Bedrock Geology

Based on information obtained from Ontario Geological Survey map from 2011, titled *1:250,000 scale Bedrock Geology of Ontario*, bedrock in the area of the Phase One Property is reported to consist of shale, limestone, dolostone, and siltstone of the Georgian Bay Formation. The depth to bedrock was not indicated on the map.

Water well records and borehole records in the ERIS report indicated that bedrock (shale and limestone) was encountered at depths between approximately 51 m to 58 m below ground surface (BGS).



**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
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3 Records Review
September 16, 2024

3.3.3 Fill Materials

A gravel driveway, which appeared to be at a slightly higher elevation than surrounding Phase One Property land, was observed at the Phase One Property during the site visit. Fill material of unknown environmental quality, potentially used to raise the driveway elevation, represents a potential contaminating activity (PCA) contributing to an APEC (APEC #1).

3.3.4 Water Bodies and Areas of Natural Significance

Soper Creek is located approximately 1.5 km east of the Phase One Property. No ANSIs were identified within 1 km of the Phase One Property from the search sourced from the Ontario Ministry of Natural Resources.

3.3.5 Well Records

Information included in the ERIS report indicated that no wells are present on the Phase One Property. There are multiple wells located at the neighbouring properties to the north, west, and south of the Phase One Property. However, it should be noted that during the site visit, it was reported by the Site Representative that a potable water well is present at the Phase One Property. The well was not locatable during the site reconnaissance.

3.4 Site Operating Records

The Phase One Property was not deemed an Enhanced Investigation Property, as defined in O.Reg. 153/04. Site operating records were not required and were not provided to Stantec for review.



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4 Interviews
September 16, 2024

4 Interviews

An interview was completed with Brendan Grigg during the site reconnaissance to obtain or confirm information on the current and historical operations at the Phase One Property.

Information gathered during the interview and received during the reporting process has been included in the applicable sections of the report and was consistent with information obtained through other third-party sources as summarized in the relevant sections of this report.



5 Site Reconnaissance

5.1 General Requirements

A site reconnaissance was conducted by Marissa Lusito of Stantec on August 8, 2024, under the supervision of Robyn Miller, P.Geo., who is registered as a Qualified Person (QP) with the MECP per requirements of Ontario Regulation 153/04. The field work was completed between 1:00 pm and 3:00 pm. The weather was cloudy, and the temperature was approximately 21°C. The Phase One Property and readily visible, publicly accessible portions of adjacent/neighbouring properties within the Phase One Study Area were observed for the presence of PCAs and potential contaminant pathways.

Stantec was accompanied by Brendan Grigg of the Municipality of Clarington during the site reconnaissance. The interiors of the buildings were not observed during the site reconnaissance due to the home being a vacant boarded-up heritage home requiring renovation. Site plans showing the properties within the Phase One Study Area are included in **Appendix B**, while selected photographs of the Phase One Property are included in **Appendix C**.

5.2 Specific Observations at Phase One Property

5.2.1 Property Information

The Phase One Property is located immediately northeast of the intersection Liberty Street North and Concession Road 4. Undeveloped, forested land was present immediately west, and north, of the Phase One Property. Commercial properties were observed to the south of Concession Road 4, and residential and agricultural properties were observed to the west of Liberty Street North, east of the Phase One Property and south of Concession Road 4.

5.2.2 Property Buildings & Structures

Vacant residential buildings were located on the southwestern portion of the Phase One Property during the site walkaround inspection. The interiors of the vacant buildings were not observed during the site reconnaissance due to the home being a boarded-up heritage home requiring renovation.

The location of each on-site building is illustrated on **Figure No. 3**. Additional details on the buildings are included in Error! Reference source not found.**5, Section** Error! Reference source not found..



5.2.3 Aboveground and Underground Storage Tanks

At the time of the site reconnaissance, no USTs or ASTs were observed on the Phase One Property.

According to the site contact, an AST may have been historically present on the Phase One Property associated with the residential dwelling for heating fuel purposes. No evidence of former fill and/or vent pipes were noted on the outside of the former dwelling during the site reconnaissance. The potential presence of a former heating fuel AST represents a PCA contributing to an APEC (APEC #2) at the Phase One Property.

5.2.4 Underground Utilities and Services

A pipeline right-of-way transects the northern portion of the Phase One Property. The site representative confirmed that the pipeline is natural gas. No above ground infrastructure associated with the pipeline was identified on the Site. Based on the nature of the pipeline (transmission of natural gas), the pipeline is not expected to represent a PCA contributing to an APEC.

No evidence of other underground utilities or services were observed at the Phase One Property at the time of the site reconnaissance. It was reported that a septic tank/field and a potable water well were present at the Phase One Property. The location of the septic tank and potable water well was not determined during the Phase One ESA and no evidence of these items was observed during the site reconnaissance.

A pole with power lines was noted on the southwestern portion of the Phase One Property, north of the dwelling and garage. It was reported that a former pole-mounted transformer was present on the pole. A pole-mounted transformer was also noted on the southeastern property boundary during the site reconnaissance. The current and historical pole-mounted transformers represent PCAs contributing to APECs (APECs #3 and #4).

5.2.5 Site Building Features

Two vacant buildings were located on the Phase One Property but were not accessed during the site reconnaissance.

Error! Reference source not found.5 provides a summary of various features associated with the site buildings based on observations made at the time of the site reconnaissance. It should be noted that the buildings on the Phase One Property were boarded-up and in the process of being either renovated or fully demolished.



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5 Site Reconnaissance
 September 16, 2024

Table 5. Site Building Features

Location on Site	Southwestern Portion of the Phase One Property	Southwestern Portion of the Phase One Property
Building	Residential Dwelling	Garage (attached to dwelling)
Use	Currently Vacant	Currently Vacant
Age	Unknown	Unknown
Approximate Floor Area	125 m ²	130 m ²
Storeys	2 storeys observed from the exterior	1 storey observed from the exterior
Slab-On-Grade	No – basement present	Yes
Basement (depth)	Unknown	Unknown
Underground Parking (Depth)	Not present	Not present
Construction	Exterior – Brick, aluminium, asphalt shingles, wood Interior - Unknown	Exterior – Wood, metal roofing Interior - Unknown
Entry and Exit Points	One entry/exit point observed	One entry/exit point observed
Current/Former Heating Systems	Formerly Propane, potential historical presence of a heating oil AST	None
Current/Former Cooling Systems	Unknown	Unknown
Drains/Sumps/Pits	Unknown	Unknown
Unidentified Substances	Unknown	Unknown
Staining or Corrosion	None observed from exterior	None observed from exterior
Additions/Renovations	Unknown	Unknown
Additional Comments	None	None

5.2.6 Wells

No wells were observed on the Phase One Property during the site reconnaissance. During the site visit, it was reported by the Site Representative that a potable water well is present at the Phase One Property; however, the location was not known, and the well was not observed during the site visit.



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5 Site Reconnaissance
September 16, 2024

5.2.7 Sewage Works

A septic tank was reported at the Phase One Property associated with the residential dwelling; however, it was not observed during the site reconnaissance and its exact location was not known.

5.2.8 Surface Features

The exterior portions of the Phase One Property consist of predominantly of agricultural fields (corn crops), low-lying vegetation and treed areas, and a gravel driveway. No watercourses, pits, lagoons, or ditches were identified on the Phase One Property and no standing water was observed. However, it was reported that a seasonal watercourse may be present on the southeastern portion of the Phase One Property. Evidence of a pipeline easement, which consisted of a corridor of vegetation, was noted on the northern portion of the Phase One Property.

5.2.9 Current or Former Railway Lines or Spurs

No evidence of current or former railway lines or spurs was observed at the Phase One Property.

5.2.10 Surface Staining and Stressed Vegetation

No staining or stressed vegetation was observed at the Phase One Property.

5.2.11 Imported Fill and Debris

A gravel driveway, which appeared to be at a slightly higher elevation than surrounding Phase One Property land, was observed at the Phase One Property during the site visit. The potential presence of fill material of unknown environmental quality potentially used to raise the elevation of the driveway represents a potential contaminating activity (PCA) contributing to an APEC (APEC #1).

5.3 Enhanced Investigation Property

The Phase One Property was not deemed an Enhanced Investigation Property, as defined in O.Reg.153/04.



5.4 Phase One Study Area

The current activities observed on neighbouring properties at the time of the site reconnaissance and a summary of historical information gathered through the records review are presented below:

5.4.1 North

The area immediately north of the Phase One Property included undeveloped, forested land at the time of the site reconnaissance. Based on aerial photographs, the area north of the Phase One Property has been undeveloped forested land since at least 1969.

5.4.2 East

The area immediately east of the Phase One Property included agricultural land, forested land and residential dwellings at the time of the site reconnaissance. Based on aerial photographs, the area east of the Phase One Property has been used for the same purposes since at least 1969.

5.4.3 South

The area immediately south of the Phase One Property was developed as Concession Road 4 followed by agricultural, residential, and commercial land uses. Based on aerial photographs, the area south of the Phase One Property has been used for agricultural, commercial, and residential purposes since at least 1969. The commercial uses south of the Phase One Property included the Bowmanville Golf and Country Club at 3845 Middle Road (100 m southwest), which has been present since at least 1969, and Some Like it Hot at 2681 Concession Road 4 (20 m south), which has been present since 2023.

Based on aerial photographs, an orchard was present at 3841 Liberty Street North (20 m south) of the Phase One Property between 1969 and 1988. Based on the distance in the down-gradient orientation, the former orchard at 3841 Liberty Street North (20 m south) represents a PCA but is not expected to contribute to an APEC at the Phase One Property.

5.4.4 West

The area immediately south of the Phase One Property included Liberty Street North, followed by undeveloped forested land and residential land use at the time of the site reconnaissance. Based on aerial photographs, the area west of the Phase One Property has been used for the same purposes since at least 1969.



5.5 Written Description of Investigation

Section 5.2 presents the findings of the site reconnaissance of the Phase One Property and **Section 5.4** presents the findings of the inspection of properties located in the Phase One Study Area for evidence of PCAs. No investigations, in addition to those described above, were undertaken during the Phase One ESA to assess any PCAs noted or identified during the records review and site reconnaissance. A summary of the findings relevant to the existence of APECs on, in or under the Phase One Property is provided below in **Section 6.4**.



6 Review and Evaluation of Information

6.1 Current and Past Uses of the Phase One Property

The current and former owners of the Phase One Property, and a general description of the associated activities occurring at that time, are presented in the table below:

Table 6: Current and Past Uses

Year(s)	Name of Owner	Description of Property Use	Property Use	Other Observations
Prior to 1799	Crown	Unknown	Agricultural or other use	Assumed Use. The chain of title report identified the Phase One Property to be Crown land until 1799.
1799 to 1832	Augustus Patt	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by Augustus Patt between 1799 and 1832.
1832	Zacheus Durham	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by Zacheus Durham in 1832.
1832 to 1855	Alan Napier McNab	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by Alan Napier McNab between 1832 to 1855.
1855	James Rutledge	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by James Rutledge in 1855.
1855 to 1876	John Rutledge	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by John Rutledge between 1855 to 1876.



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Year	Name of Owner	Description of Property Use	Property Use	Other Observations
1876	Leonard Rutledge	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by Leonard Rutledge in 1876.
1876 to 1925	Estate of Edward Rutledge	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by the Estate of Edward Rutledge between 1876 to 1925.
1925 to 1941	Emma Jane Collacott Marjorie Helen Collacott Ella Maud Collacott Doris Mae Collacott Robert Collacott Estate of George Collacott	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by Emma Jane Collacott, Marjorie Helen Collacott, Ella Maud Collacott, Doris Mae Collacott, Robert Collacott, and the Estate of George Collacott between 1925 to 1941.
1941 to 1948	Lloyd Richards	Unknown	Agricultural or other use	Assumed Use. The chain of title report indicated that the Phase One Property was owned by Lloyd Richards between 1941 to 1948.
1948 to 1989	Lloyd Richards Eva M Richards	Residential and agricultural	Residential/Agricultural	The chain of title report identified Lloyd Richards and Eva M Richards to be the owners of the property. The aerial photographs indicated that the Phase One Property was occupied by a residential dwelling, agricultural fields, a pipeline easement, and agricultural buildings in 1969, 1976, 1980, and 1989.
1989 to 2021	Donald Grove Richards	Residential and agricultural	Residential/Agricultural	The chain of title report identified Donald Grove Richards to be the owner of the property. The aerial photographs indicated that the Phase One Property was occupied by a residential dwelling, agricultural fields, a pipeline easement, and agricultural buildings in 2005, 2014, and 2020.



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Year	Name of Owner	Description of Property Use	Property Use	Other Observations
2021 to Present	The Corporation of the Town of Clarington	Residential and agricultural	Residential/Agricultural	The chain of title report identified The Corporation of the Town of Clarington to be the owner of the property. The aerial photograph indicated that the Phase One Property was occupied by a residential dwelling, agricultural fields, and a pipeline easement in 2023.

6.2 Potentially Contaminating Activities

As discussed in previous sections of this report, Stantec has identified five different PCAs that have contributed to four APECs at the Phase One Property. The following table summarizes the PCAs:

Table 7: Potentially Contaminating Activities

#	PCA	Location	Description
1	Importation of Fill Material of Unknown Quality (30)	Southwestern Portion of the Phase One Property	A gravel driveway, which appeared to be at a slightly higher elevation than surrounding Phase One Property land, was observed at the Phase One Property during the site visit. Fill material of unknown environmental quality may have been used to raise the elevation of the driveway.
2	Gasoline and Associated Products Storage in Fixed Tanks (28)	Residential Dwelling on the Southwestern Portion of the Phase One Property	According to the site contact, an AST may have been historically present on the Phase One Property associated with the residential dwelling for heating fuel purposes.
3	Transformer Manufacturing, Processing and Use (55)	Southwestern Portion of the Phase One Property North of the Residential Dwelling	A pole with power lines was noted on the southwestern portion of the Phase One Property, north of the former dwelling and garage. It was reported that a former pole-mounted transformer was present on the pole.
4	Transformer Manufacturing, Processing and Use (55)	Southeastern Property Boundary	A pole-mounted transformer was also noted on the southeastern property boundary during the site reconnaissance.



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#	PCA	Location	Description
5	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications (40)	3841 Liberty Street North	Based on aerial photographs, an orchard was present at 3841 Liberty Street North (20 m south) of the Phase One Property between 1969 and 1988. Based on the distance from the Phase One Property in the down-gradient orientation, the former orchard represents a PCA but is not expected to contribute to an APEC at the Phase One Property.

6.3 Areas of Potential Environmental Concern

The table below summarizes the APECs and related PCAs identified at the Phase One Property:

Table 8: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (APEC)	Location of APEC	Potentially Contaminating Activity (PCA)	Location of PCA	Contaminants of Potential Concern ¹	Media Potentially Impacted
1	Southwestern Portion of the Phase One Property	PCA #1 Importation of Fill Material of Unknown Quality (30)	On-Site	PHCs, BTEX, PAHs, metals and inorganics, Hydride Forming Metals (As, Sb, Se), and ORPs Hg, Cr (VI) B-HWS, and CN, sodium and chloride	Soil
2	Former Dwelling on the Southwestern Portion of the Phase One Property	PCA #2 Gasoline and Associated Products Storage in Fixed Tanks (28)	On-Site	PHCs, BTEX, PAHs and metals	Soil Groundwater
3	Southwestern Portion of the Phase One Property North of the Former Dwelling	PCA #3 Transformer Manufacturing, Processing and Use (55)	On-Site	PHCs, PCBs	Soil
4	Southeastern Property Boundary	PCA #4 Transformer Manufacturing, Processing and Use (55)	On-Site	PHCs, PCBs	Soil

Note(s):

¹ Contaminants include petroleum hydrocarbons (PHCs); benzene, toluene, ethylbenzene and xylenes (BTEX); polycyclic aromatic hydrocarbons (PAHs); metals; hydride forming metals including arsenic (As), antimony (Sb) and selenium (Se); other regulated parameters (ORPs) including mercury (Hg), Cyanide (CN-), electrical conductivity (EC), sodium adsorption ration (SAR), sodium, chloride, hexavalent chromium (Cr(VI)), hot water soluble boron (B-HWS), polychlorinated biphenyls (PCBs).



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6.4 Phase One Conceptual Site Model

PCAs and APECs are detailed in Sections 6.2 and 6.3 and identified in **Figure No.3** and **No. 4**.

The figures provided in **Appendix B** collectively form the Conceptual Site Model. The following physical characteristics/pathways were evaluated to assess whether PCAs have contributed to an APEC at the Phase One Property:

Table 9: Conceptual Site Model

Physical Characteristics/ Pathways	Description
Subsurface Soils	Based on information obtained from an Ontario Geological Survey map from 2010, titled <i>Surficial Geology of Southern Ontario</i>, native surficial soils in the vicinity of the Phase One Property were reported to consist of glaciolacustrine deposits of sand, gravelly sand, and gravel and/or a silt to silty clay matrix. Water well records and borehole records listed in the ERIS report indicate that stratigraphy consisting of sand, silt, clay and gravel were encountered in the overburden soil within the Phase One Study Area.
Bedrock	Based on information obtained from Ontario Geological Survey map from 2011, titled <i>1:250,000 scale Bedrock Geology of Ontario</i>, bedrock in the area of the Phase One Property is reported to consist of shale, limestone, dolostone, and siltstone of the Georgian Bay Formation. The depth to bedrock was not indicated on the map. Water well records and borehole records in the ERIS report indicated that bedrock (shale and limestone) was encountered at depths between approximately 51 m to 58 m BGS.
Inferred Ground Water Flow Direction	Based on an Ontario Base Map and the observed topography in the vicinity of the Phase One Property, the regional surface drainage appears to be easterly on the eastern portion of the Phase One Property towards an unnamed tributary immediately east of the Site and westerly on the western portion of the Phase One Property towards an unnamed tributary approximately 50 m west of the Phase One Property. The tributaries flow to Soper Creek, located approximately 1.5 km east of the Site. Soper Creek ultimately flows south to Lake Ontario, which is located approximately 7.9 km south of the Phase One Property. It should also be noted that the elevation of the local groundwater table can generally mimic the local topography and may not reflect the regional trend in drainage. The local shallow groundwater flow pattern also can be influenced by subsurface structures in the vicinity, such as building foundations, weeping tiles, and utility trenches.
Underground Utilities	A pipeline right-of-way transects the northern portion of the Phase One Property and has been present since at least 1969. The site representative confirmed that the pipeline is natural gas. No above ground infrastructure associated with the pipeline was identified on the Site. No other evidence of underground utilities or services were observed at the Phase One Property at the time of the site reconnaissance. It was reported that a septic tank and a potable water well were present at the Phase One Property. The location of these underground utilities was not determined during the Phase One ESA.



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Physical Characteristics/ Pathways	Description
	A pole with power lines was noted on the southwestern portion of the Phase One Property, north of the residential dwelling and garage. It was reported that a former pole-mounted transformer was present on the pole. A pole-mounted transformer was also noted on the southeastern property boundary during the site reconnaissance. The pole-mounted transformers represent PCAs contributing to APECs (APECs #3 and #4).

The figures provided in **Appendix B** include features and details in relation to the Phase One Study Area and the Phase One Property. In general, the figures illustrate the following where applicable: road names and former buildings and structures; water bodies; location of areas of natural significance (if present); presence of drinking water wells at the Phase One Property (if present); property usage types on adjoining properties; PCAs; APECs; general direction of regional groundwater flow near the Phase One Property; and, the approximate locations of underground utilities or structures, if known.

Discussion of Uncertainty or Absence of Information

The past use of the Phase One Property is well understood based on historical information sources obtained and reviewed during the Phase One ESA. The physical characteristics of the land area comprising the Site are inferred from previous well records within the Phase One Study Area. The interiors of the buildings were not observed during the site reconnaissance due to the home being a vacant boarded-up heritage home requiring renovation. No other potential uncertainties or missing information were encountered during completion of the Phase One ESA.



7 Conclusions
September 16, 2024

7 Conclusions

7.1 Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

It is our opinion that a Phase Two ESA would be required to support submission of an RSC. Stantec understands that given the intended development of the Site (i.e., for commercial purposes), filing of an RSC is not required. Although we understand an RSC is not required for the Phase One Property, a Phase Two ESA could be completed for due diligence purposes to evaluate soil and groundwater quality in the vicinity of the identified APECs.

7.2 Record of Site Condition based on Phase One Environmental Site Assessment alone

It is our opinion that an RSC could not be filed based solely on the findings of this Phase One ESA.

7.3 Signatures

The site reconnaissance and preparation of this Phase One ESA report were completed by Marissa Lusito, M.Env.Sc., B.Sc.H., while senior technical review was conducted by Robyn Miller, B.Sc., P.Geo. Credentials of the project team members are provided in **Appendix D**.



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Benazon, Netta
Date: 2026.01.28
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FOR **Marissa Lusito**, M.Env.Sc., B.Sc.H.
Environmental Assessor
Phone: 437-388-4832
Marissa.Lusito@stantec.com



Digitally signed by Miller,
Robyn
Date: 2026.01.29
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Robyn Miller, B.Sc., P.Geo.
Environmental Scientist
Phone: 226-988-6848
Robyn.Miller@stantec.com

The objectives and requirements set out in Ontario Regulation 153/04 for a Phase One Environmental Site Assessment were applied in carrying out the environmental site assessment and preparing this report.



7.4 Closure

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential liabilities associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

The opinions in this report can only be relied upon as they relate to the condition of the portion of the identified property that was assessed at the time the work was conducted. Activities at the property subsequent to Stantec's assessment may have significantly altered the property's condition. Stantec cannot comment on other areas of the property that were not assessed.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. This report should not be construed as legal advice.

This report has been prepared for the exclusive use of the client identified herein and any use by any third party is prohibited. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

This report is limited by the following:

- The interior of the dwelling present at the Phase One Property was not accessed during the site reconnaissance.
- A survey of the land was not available at the time of issuance of this report.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed. Before starting work, the exact location of all such utilities and structures should be confirmed and Stantec assumes no liability for damage to them.

The conclusions are based on the site conditions encountered by Stantec at the time the work was performed at the specific testing and/or sampling locations, and conditions may vary among sampling locations. Factors such as areas of potential concern identified in previous studies, site conditions (e.g., utilities) and cost may have constrained the sampling locations used in this assessment.



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7 Conclusions
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In addition, analysis has been carried out for only a limited number of chemical parameters, and it should not be inferred that other chemical species are not present. Due to the nature of the investigation and the limited data available, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire site. As the purpose of this report is to identify site conditions which may pose an environmental risk, the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment.

The purpose of this report is to identify site conditions which may pose an environmental risk, the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment.

Should additional information become available which differs significantly from our understanding of conditions presented in this report, Stantec specifically disclaims any responsibility to update the conclusions in this report.



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8 References
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8 References

Information sources obtained and reviewed as part of the records review are listed below:

Table 10: References

Reference Type/Source	Information/Documents Obtained
Aerial Photographs	- National Air Photo Library: 1969, 1976, 1980, and 1988 - Google Earth: 2005, 2014, 2020 and 2023
Opta Environmental Services	- No fire insurance plans available. - No inspection reports available.
Previous Reports	No previous reports available.
Regulatory Infractions	ERIS – Compliance and Convictions (1989 to September 2023)
Reportable Spill Occurrences	ERIS – Ontario Spills (1988 to December 2021)
Contaminated Sites	"Inventory of Coal Gasification Plant Waste Sites in Ontario" (Volumes I and II), dated April 1987 "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario" (Volumes I and II), dated November 1988 - ERIS - MECP Brownfields Environmental Site Registry (1997 to September 2001, October 2004 to November 2019)
Hazardous Waste Generators	- MECP Hazardous Waste Information Network Registered Generator List - ERIS – Ontario Regulation 347 Waste Generators Summary (1986 to October 31, 2022)
Landfills	"Waste Disposal Site Inventory" (June 1991) - ERIS – Waste Disposal Sites (Oct 2011 to September 30, 2023) - ERIS – Anderson's Waste Disposal Sites (1860s to present)
TSSA	Response letter not received.
ERIS	- ERIS Report (all federal, provincial, and municipal source databases within a 250m radius of the perimeter of the Phase One Property) - Area of Natural and Scientific Interest (Ontario Ministry of Natural Resources, March 2023) 1:250,000 scale Bedrock Geology of Ontario (Ontario Geological Survey 2011) - Surficial Geology of Southern Ontario (Ontario Geological Survey 2010) - Ontario Base Map (Ontario Ministry of Natural Resources, 2010) - Chain of Title Search: 2656 Concession Road 4 - PIN: 26691-0015 (LT) - City Directories: 1958, 1966, 1970/1, 1975, 1981, 1985, 1991, 1995, 2000, 2008, 2012, 2017, 2021 (Vernons, Digital Business Directory)
Survey Plans	No plan of survey available.
GeoWarehouse	Property Details (August 21, 2024)
Other Available Information	MECP FOI A-2024-05549 Decision Letter – 2656 Concession Road 4, Bowmanville, Ontario (dated September 5, 2024)



**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
2656 CONCESSION ROAD 4, BOWMANVILLE, ONTARIO**

September 16, 2024

Appendices



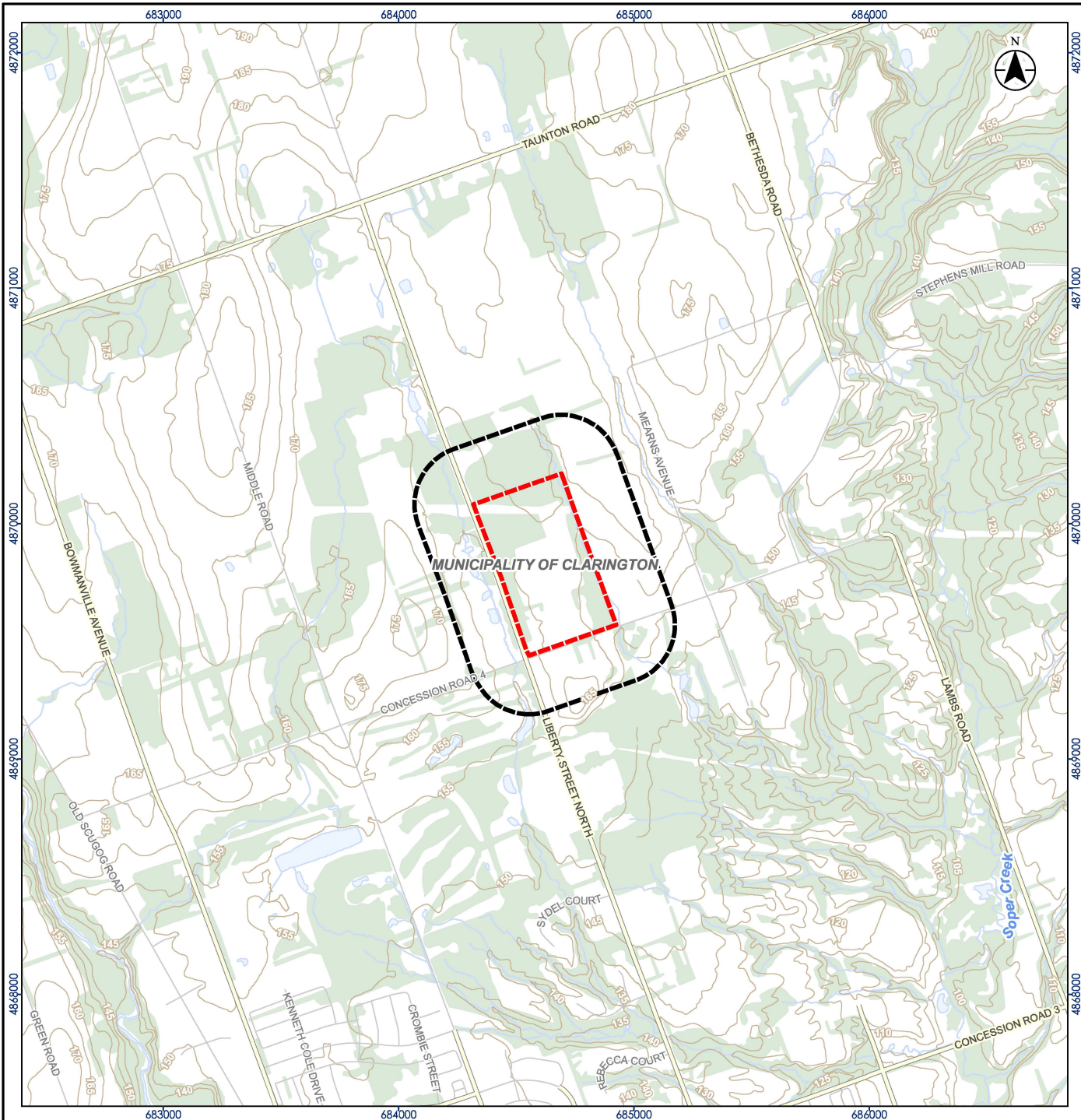
Appendix A Survey Plan

Will be provided at a later date

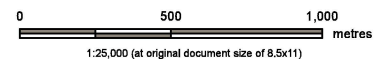


Appendix B Figures





- Legend**
- Phase One Property
 - Phase One Study Area
 - Major Road
 - Minor Road
 - Topographic Contour (m AMSL)
 - Watercourse
 - Waterbody
 - Wooded Area
 - Municipal Boundary - Lower Tier



Project Location: 122140375
Bowmanville, Ontario Prepared by svandamme on 2024-08-26

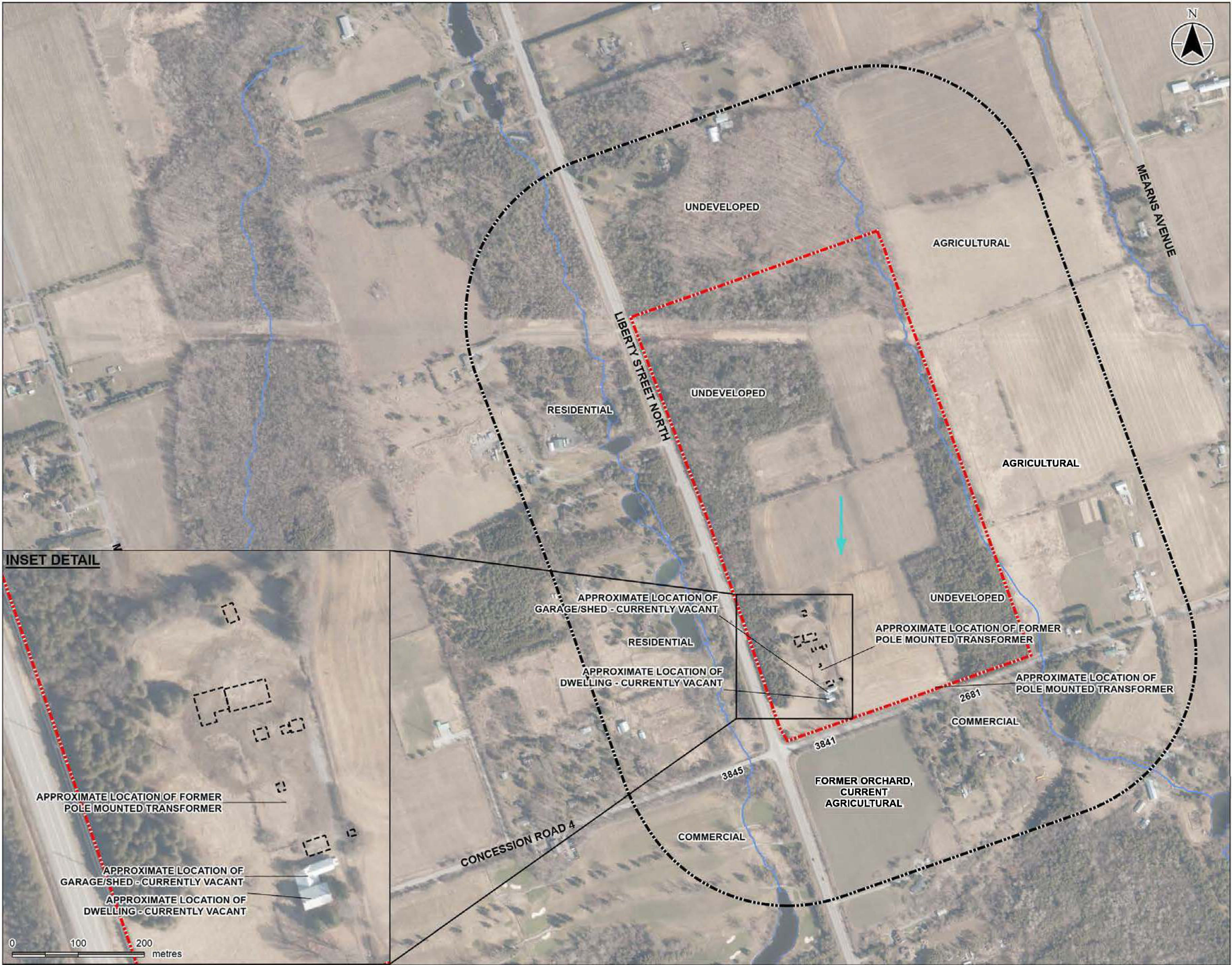
Client/Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
2656 CONCESSION ROAD 4
BOWMANVILLE, ONTARIO

Figure No.
1

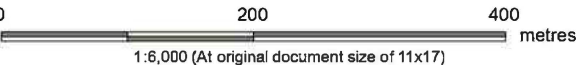
Title
Site Location

- Notes**
- Coordinate System: NAD 1983 UTM Zone 17N
 - Base features produced under license with the Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry © King's Printer for Ontario, 2024.
 - This figure is to be viewed in the context of the accompanying report and is subject to the limitations specified in that report.
 - m AMSL - metres above mean sea level.

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- Legend
- Phase One Property
 - Phase One Study Area
 - Approximate Location of Former Agricultural Building
 - Waterbody
 - Watercourse
 - Inferred Direction of Groundwater Flow



- Notes
- Coordinate System: NAD 1983 UTM Zone 17N
 - Base features produced under license with the Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry © King's Printer for Ontario, 2024.
 - Orthimagery © First Base Solutions, 2024. Imagery Date, 2023
 - Site features are based on field observations and should be considered approximate
 - This figure is to be viewed in the context of the accompanying report and is subject to the limitations specified in that report.

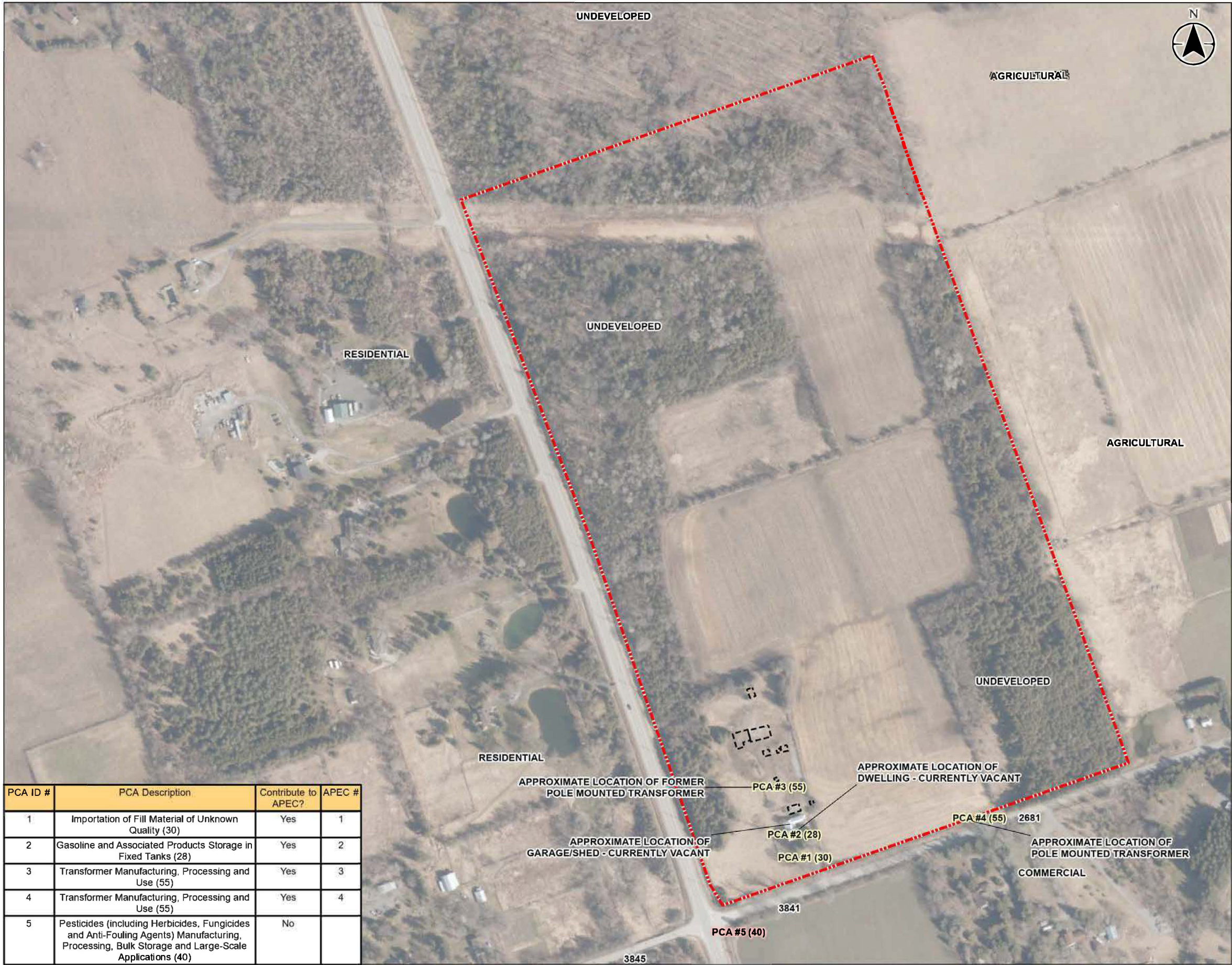


Project Location
Bowmanville, Ontario

Client/Project
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
2656 CONCESSION ROAD 4, BOWMANVILLE, ONTARIO

Figure No.
2
Title
Site Plan

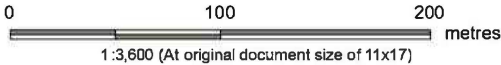
\\ad004-ppb\01\work_group\122140375\Drawings\122140375_1\122140375_1.mxd 2024-05-04 By: svandamme



PCA ID #	PCA Description	Contribute to APEC?	APEC #
1	Importation of Fill Material of Unknown Quality (30)	Yes	1
2	Gasoline and Associated Products Storage in Fixed Tanks (28)	Yes	2
3	Transformer Manufacturing, Processing and Use (55)	Yes	3
4	Transformer Manufacturing, Processing and Use (55)	Yes	4
5	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications (40)	No	



- Legend
- Phase One Property
 - Approximate Location of Former Agricultural Building
 - PCA #1 PCA Contributes to an APEC
 - PCA #5 PCA Does Not Contributes to an APEC



- Notes
- Coordinate System: NAD 1983 UTM Zone 17N
 - Base features produced under license with the Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry © King's Printer for Ontario, 2024.
 - Orthoregistry © First Base Solutions, 2024. Imagery Date: 2023
 - Site features are based on field observations and should be considered approximate
 - This figure is to be viewed in the context of the accompanying report and is subject to the limitations specified in that report.
 - PCAs - Potentially Contaminating Activities.



Project Location: Bowmanville, Ontario
Prepared by: svandamme on 2024-09-04

Client/Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
2656 CONCESSION ROAD 4, BOWMANVILLE, ONTARIO

Figure No.: 3
Title: Phase One Conceptual Site Model - PCAs

Appendix C Site Reconnaissance Photographs



Client:	Municipality of Clarington	Project:	122140375
Site Name:	2656 Concession Road 4	Site Location:	Bowmanville, ON
Photograph ID: 1			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing south			
Survey Date: 8/28/2024			
Comments: View of the driveway, facing Concession Road 4			
Photograph ID: 2			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing west			
Survey Date: 8/28/2024			
Comments: View of the east side of the vacant dwelling			

Client:	Municipality of Clarington	Project:	122140375
Site Name:	2656 Concession Road 4	Site Location:	Bowmanville, ON
Photograph ID: 3			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing west			
Survey Date: 8/28/2024			
Comments: View of south side of the vacant dwelling			
Photograph ID: 4			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing north			
Survey Date: 8/28/2024			
Comments: View of the west side of the vacant dwelling			

Client:	Municipality of Clarington	Project:	122140375
Site Name:	2656 Concession Road 4	Site Location:	Bowmanville, ON
Photograph ID: 5			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing northwest			
Survey Date: 8/28/2024			
Comments: View of the south side of the vacant garage/shed			
Photograph ID: 6			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing southwest			
Survey Date: 8/28/2024			
Comments: View of the north side of the vacant garage/shed			

Client:	Municipality of Clarington	Project:	122140375
Site Name:	2656 Concession Road 4	Site Location:	Bowmanville, ON
Photograph ID: 7			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing southwest			
Survey Date: 8/28/2024			
Comments: View of the southwest portion of the Site			
Photograph ID: 8			
Photo Location: Southwest portion of the Phase One Property			
Direction: Facing north			
Survey Date: 8/28/2024			
Comments: View of the southwest portion of the Site, including the former pole-mounted transformer			

Client:	Municipality of Clarington	Project:	122140375
Site Name:	2656 Concession Road 4	Site Location:	Bowmanville, ON
Photograph ID: 9			
Photo Location: Southeast portion of the Phase One Property			
Direction: Facing north			
Survey Date: 8/28/2024			
Comments: View of the southeast portion of the Site, including the agricultural portion			
Photograph ID: 10			
Photo Location: Southeast portion of the Phase One Property			
Direction: Facing north			
Survey Date: 8/28/2024			
Comments: View of the southeast portion of the Site, including the treed portion			

Client:	Municipality of Clarington	Project:	122140375
Site Name:	2656 Concession Road 4	Site Location:	Bowmanville, ON
Photograph ID: 11			
Photo Location: Southeast portion of the Phase One Property			
Direction: Facing northwest			
Survey Date: 8/28/2024			
Comments: View of the pole-mounted transformer on the southeast property boundary			

Appendix D Project Team Members



Marissa Lusito

Intermediate Environmental Assessor
7 years of experience · Markham, Ontario

Marissa has seven years of consulting experience related to the completion of environmental site assessment projects, including conducting and coordinating Phase I and Phase II Environmental Site Assessments and associated remediation programs. Recently, she has gained experience completing Assessments of Past Uses as per Excess Soil Regulation 406/19 requirements. Marissa has participated in soil, groundwater, and surface water sampling programs and has contributed to contaminated soil and groundwater remediation programs. She holds a Master of Environmental Science (M.Env.Sc.) from the University of Toronto and an Honours Bachelor of Science (B.Sc.H. - Biology) from Queen's University.

EDUCATION

Honours Bachelor of Science, Queen's University, Kingston, Ontario, Canada, 2016

Master of Environmental Science, University of Toronto, Toronto, Ontario, Canada, 2017

CERTIFICATIONS & TRAINING

Certificate, POST 2021 LEVEL 1 - BBS - Orientation and Test, Whitby, Ontario, Canada, 2021

PROJECT EXPERIENCE

ASBESTOS, LEAD BASED PAINT, AND HAZARDOUS MATERIAL (MERCURY, PCB) ASSESSMENTS

Culvert and Bridge Hazardous Materials Assessments* | Ontario Ministry of Transportation | Niagara Falls, Ontario | 2020 | Project Coordinator

Overseeing fieldwork, including organizing subcontractors, field technicians, and the necessary equipment. Compiling and reviewing laboratory results. Writing of the hazardous materials assessment report.

ENVIRONMENTAL SITE REMEDIATION

Phase II ESA and Remediation of Cyanide in Soil* | Oakville, Ontario | 2020-2021 | Project Coordinator, Environmental Scientist

Coordination of field staff and subcontractors to complete fieldwork for the Phase II ESA and soil remediation. Ordered and organized the necessary equipment and supplies. Arranged for the required analysis of samples with the laboratory. Contributed to the writing of the

Phase II ESA and remediation reports.

Monthly Groundwater Monitoring* | Oshawa, Ontario | 2017-2020 | Project Coordinator

Perform monthly groundwater monitoring at a site with on-going in-situ remediation efforts. Draft quarterly reports based on the groundwater analytical results.

Groundwater Remediation* | Toronto, Ontario | 2017 | Environmental Scientist

Monitor the collection and removal of groundwater contaminated with volatile organic compounds from a historical dry cleaning facility.

ENVIRONMENTAL SITE ASSESSMENTS PHASE I, II, III

Phase I ESA Portfolio for Metrolinx* | Toronto, Ontario | 2021 | Project Coordinator

Completion of a review of current and historical environmental records. Coordination of site inspections with site assessors and the client. Composition of ten Phase I ESA reports in accordance with Ontario Regulation 153/04.

Assessment of Past Uses for Watermain Realignment* | Oshawa, Ontario | 2021 | Environmental Scientist

Review of environmental records for the site and surrounding properties. Completion of a site inspection and interview with the site owners. Production of an Assessment of Past Uses to the requirements of Ontario Regulation 406/19.

Phase I and II ESA and Transformer Removal* | Oshawa, Ontario, Canada | 2020-2021 | Project Coordinator

Participation in the site assessment for the Phase I ESA. Coordination of the fieldwork and composition of the Phase II ESA report. Supervision of the removal of two pad mounted transformers and verification soil sampling.

Phase I and II ESA and Record of Site Condition* | Oshawa, Ontario | 2018-2020 | Project Coordinator

Execution of the Phase I and II ESAs, including a records review, Site visit, soil and groundwater sampling, delineation of impacted surficial soil, and writing of the reports. Assist with the filing of a Record of Site Condition for the property.

Phase II ESA and Removal of Cyanide-Impacted Soil* | Oakville, Ontario | 2020-2021 | Project Coordinator

Organization of field staff and subcontractors contributing to the fieldwork for the Phase II ESA and impacted soil removal program. Arrange for the necessary equipment and supplies and for the required analysis of samples with

the laboratory. Support the writing of the Phase II ESA and remediation reports.

**Phase I ESA Portfolio* | Toronto, Ontario | 2018 |
Environmental Scientist**

Inspect several commercial and light industrial facilities and interview site owners on the property uses. Compile relevant environmental information regarding the sites from various records. Composition of Phase I ESA reports for due diligence purposes.

Robyn Amelia Miller

B.Sc., P.Geo, QPESA

Environmental Scientist, Team Leader · 10 Years of Experience · London, Ontario

Robyn, who is based out of the London office is a project manager and Team Leader with the Site Investigation and Remediation group. Robyn has experience leading various environmental teams to support a variety of clients in the oil and gas, commercial, industrial and power sectors.

As an environmental scientist and project manager, Robyn has taken on various roles and responsibilities including field supervision, project coordination and management for a variety of different environmental projects and has experience throughout the project lifecycle. With expertise at managing the environmental aspects of complex construction projects, as well as leading multiple site transactional due diligence projects to deliver under tight timelines, she understands various drivers of power, linear infrastructure, and commercial projects. Robyn is a quality reviewer within Stantec for Phase I/One Environmental Site Assessments (ESAs), is a licensed Professional Geoscientist and is recognized by the MECP as a Qualified Person for ESAs (QPESA) under O.Reg. 153/04.

REGISTRATIONS

Professional Geoscientist #3282, Association of Professional Geoscientists of Ontario

PROJECT EXPERIENCE

Environmental Site Remediation

Remedial Excavations, Various Locations, Calgary, Alberta (2014-2017)

Environmental consultant and field technician for remedial excavations. The purpose of this project remediate historical spills and provide recommendations for further assessment. Responsible for field screening and directing the excavation, soil sampling and report writing.

5-33-32-23*, Three Hills, Alberta (2014-2015)

Client: Signalta Resources Limited

Project coordinator and environmental consultant for all field work for a petroleum hydrocarbon impacted site from an unknown source.

Responsibilities included coordinating and being the field assessor during well head cut and cap, and underground storage tank removal.

Conducted Phase II and III ESAs for this location to remove heavily impacted soil. Additional delineation of impacted soil was required, followed by excavation of impacted materials. Replacement of approximately 7000 m³ of soil was required and the site was reclaimed, revegetated and monitored prior to reclamation certification application. Completed assessment reports and brought the site to completion.

Oil & Gas Upstream, Conventional, Turner Valley, Alberta (2017-2018)

Phase II - Complete intrusive soil investigations to assess potential areas of concern identified during the Phase I ESA investigation. This includes creating a drilling plan, contractor and site personnel coordination, collecting soil samples, characterizing soils and topography, installing groundwater monitoring wells, and collecting groundwater samples.

* denotes projects completed with other firms

Robyn Amelia Miller B.Sc., P.Geo

Environmental Scientist · 10 Years of Experience · London, Ontario

Phase III - Complete remedial excavations on Site to remove identified impacts on Site and reclaim the Site to pre-disturbance or landowner-specified condition. The includes maintaining a high standard of safety onsite during earthwork activities, coordinating earthworks and site personnel by providing direction and daily scope of work plans, excavation plans, excavation sampling, soil stock pile management and treatment, coordinating backfill activities, site recontouring direction and a high level of documentation during field activities.

Environmental Site Assessments Phase I, II, III Oil & Gas Upstream, Phase I and II Environmental Site Assessment, Various Locations, Alberta (2014-2018)

Client: Signalta Resources Limited

Completed 65 Phase I and 55 Phase II ESAs at upstream oil and gas sites. The purpose of these assessments were to identify potential environmental liabilities associated with the historical land uses and to prepare the sites for remediation or reclamation.

Phase One/Two Site Assessments to Support Record of Site Condition, Various Sites, Ontario (2019-2020)

Completed Phase One/Two ESAs to support the assessment of former commercial/industrial properties to assist the client with re-development options and support the pursuit of a Record of Site Condition. Reviewed historical data, completed data gap analysis, developed and coordinated soil and groundwater sampling programs to quantify the extent of impacts and assist with next steps (risk assessment and/pr remedial options).

Phase I/II ESAs and Remedial Program Portfolio for Commercial Due Diligence, Various Sites, Ontario (2019-2020)

Conducted and/or managed Phase I/II ESAs and remedial excavation and in-situ remedial programs for a heavy equipment maintenance and retailer across Ontario. Managed site assessment team, coordinated logistics for field programs, and coordinated/completed reporting.

Phase I/II ESAs for Telecommunication Sites, Various Sites, Ontario (2019-2024)

Conducted and/or managed over 50 Phase I/II ESAs of telecommunication sites. The purpose of these assessments was to identify potential environmental liabilities associated with the historical land use and/or to investigate environmental concerns identified during the Phase I ESA.

Phase I ESAs Portfolio for Commercial Due Diligence, Project Manager, Technical Reviewer
Project management, coordination and technical reviewer for multi-site due diligence purposes for commercial facilities across southwestern Ontario. Managed site assessment team, organized logistics for field programs, coordinated reporting and technical review for successful delivery of reports.

Robyn Amelia Miller B.Sc., P.Geo

Environmental Scientist · 10 Years of Experience · London, Ontario

Environmental Site Assessments

Oil and Gas Upstream, Cut and Cap and Tank Removal Program*, Various Locations, Alberta (2014-2015)

Client: Signalta Resources Limited

Completed over 10 well head decommissioning and 8 underground storage tank removals on upstream oil and gas sites. Coordinating all ground disturbance compliance, heavy equipment to complete excavation of well head or tank, field assessment of soil conditions at facility locations and responsible for completing final reports.

Passenger Rail Transit

Phase I Environmental Site Assessment, Proposed Alignment for Green Line North LRT, Calgary, Alberta (2016-2017)

Client: HATCH

Environmental Technical Memos of the proposed alignment for the Green Line North LRT for due diligence purposes. The purpose of this project was to report potential environmental liabilities associated with current and historical land uses and provide recommendations for further assessment, if required. Responsible for historical research, data collection and report writing.

Soil Sampling Program in Combination with Geotechnical Assessment, Calgary, Alberta (2016-2017)

Soil Sample collection during geotechnical assessment of Green Line North LRT for due diligences purposes. The purpose of the project was to collect soil and groundwater analytical data to provide information on environmental impacts along the proposed alignment prior to construction. Responsible for borehole logging, groundwater well installation and sample collection.

Groundwater Monitoring and Reporting

Multiple Groundwater Monitoring Programs, Various Locations, Calgary, Alberta (2016-2018)

Completed groundwater monitoring and sample collection (purge or no purge, bailer or low flow methods) at multiple upstream and downstream sites. Often involved surveying and/or water well investigations. Role included project planning, logistics, coordination, and field work.

Oil & Gas Midstream, Pipelines

Waste Management, Various Locations, Ontario (2018-2023)

Client: TransCanada Pipeline Ltd.

Field coordination and environmental related to water, soil and hazardous substances management while adhering to site safety protocol. Working directly with the contractor and client to find effective solutions while respecting environmental concerns. Role included project planning, coordination, logistics and field work.

Phase I Environmental Site Assessments, Central Alberta

Phase I Environmental Site Assessment for proposed pipeline expansion for due diligence. The purpose of this project was to report potential environmental liabilities associated with current and historical land uses and provide recommendations for further assessment, if required.

** denotes projects completed with other firms*

Robyn Amelia Miller B.Sc., P.Geo

Environmental Scientist · 10 Years of Experience · London, Ontario

Soil Sampling

Downstream Phase II Environmental Site Assessments, Various Locations, Alberta (2016-2017)

Environmental drilling programs involving drilling and installing groundwater monitoring wells at sites with historical impacts. Robyn was responsible for drilling supervision, logging and sampling soils, surveying of new wells, and well development

Waste Management

Remedial Excavations, Construction Waste Management, Various Locations, Ontario (2018-2019)

Field coordination and environmental support related to water, soil and hazardous substances management while adhering to site safety protocol. Working directly with the contractor and client to find effective solutions while respecting environmental concerns.

Phase I & II Environmental Site Assessments

Phase II Environmental Site Assessment, Oshawa, Ontario (2018)

Client: Government of Canada

Phase II ESA – completed intrusive soil investigations to assess potential areas of concern identified during the Phase I ESA investigation. This includes contractor and site personnel coordination, collecting soil samples, characterizing soils and topography, installing groundwater monitoring wells, developing wells and collecting groundwater samples.

Transmission & Distribution, Transmission Lines

Phase II Environmental Site Assessments, Detailed Site Assessments, AltaLink, Calgary, Alberta

Phase II Environmental Site Assessment and Detailed Site Assessment along power transmission right-of-way. This includes contractor and site personnel coordination, collecting soil samples, characterizing soils and topography, vegetation classification, topsoil documentation. Followed up with technical reports and reclamation certificate application.

Appendix E Supporting Documentation





DATABASE REPORT

Project Property:	<i>Phase I ESA 2656 Concession Road 4 Bowmanville ON L1C 3K6</i>
Project No:	<i>122140375.200</i>
Report Type:	<i>RSC Report - Quote</i>
Order No:	<i>24070200664</i>
Requested by:	<i>Stantec Consulting Ltd.</i>
Date Completed:	<i>July 31, 2024</i>

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Executive Summary

Property Information:

Project Property: Phase I ESA
815-835 Ontario Road Bowmanville ON L1C 3K6

Project No: 122140375.200

Order Information:

Order No: 24070200664
Date Requested: July 2, 2024
Requested by: Stantec Consulting Ltd.
Report Type: RSC Report - Quote

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)
Land Title Search Historical Land Title Search
Topographic Map RSC Maps

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</i>	<i>Total</i>
̂AGR	<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	0	0
̂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	0	0
̂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
̂EIS	<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	0	0
̂GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
̂GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
̂HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	17	17

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</i>	<i>Total</i>
		Total:	0	17	17

Executive Summary: Site Report Summary - Project Property

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		lot 10 con 6 ON Well ID: 1901678	SSE/96.1	0.46	15
1	WWIS		lot 10 con 3 ON Well ID: 1907159	SSE/96.1	0.46	18
2	WWIS		4220 LIBERTY ST N BOWMANVILLE ON Well ID: 7365859	WNW/130.0	-1.71	22
3	WWIS		lot 11 con 4 ON Well ID: 1904085	W/145.9	-3.69	24
4	WWIS		lot 9 con 3 ON Well ID: 1901389	ESE/161.2	-5.67	28
5	WWIS		lot 11 con 4 ON Well ID: 1902023	W/180.5	-2.69	31
6	WWIS		lot 11 con 4 ON Well ID: 1904645	WSW/199.8	-2.64	34
7	WWIS		lot 11 con 4 ON Well ID: 1902544	WSW/205.6	0.03	37
8	WWIS		lot 11 con 4 ON Well ID: 1901492	W/213.2	-1.67	39
9	WWIS		lot 11 con 4 ON Well ID: 1911314	SW/215.3	0.73	42
10	WWIS		lot 11 con 4 ON Well ID: 1905511	WSW/222.3	-2.12	46
11	WWIS		4182 LIBERTY ST. lot 11 con 4 BOWMANVILLE ON	W/223.7	-1.40	48

<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>
			Well ID: 7100907			
<u>12</u>	WWIS		4250 LIBERTY ST. N lot 11 con 4 BOWMANVILLE ON Well ID: 7118371	W/228.7	-1.39	<u>55</u>
<u>13</u>	WWIS		lot 11 con 4 ON Well ID: 1902545	W/270.5	0.66	<u>58</u>
<u>14</u>	WWIS		lot 10 con 4 ON Well ID: 1906065	NNW/270.8	3.89	<u>61</u>
<u>15</u>	WWIS		lot 11 con 3 ON Well ID: 1904845	SW/281.6	2.85	<u>65</u>
<u>16</u>	WWIS		lot 11 con 4 ON Well ID: 1909736	WSW/298.8	6.36	<u>68</u>

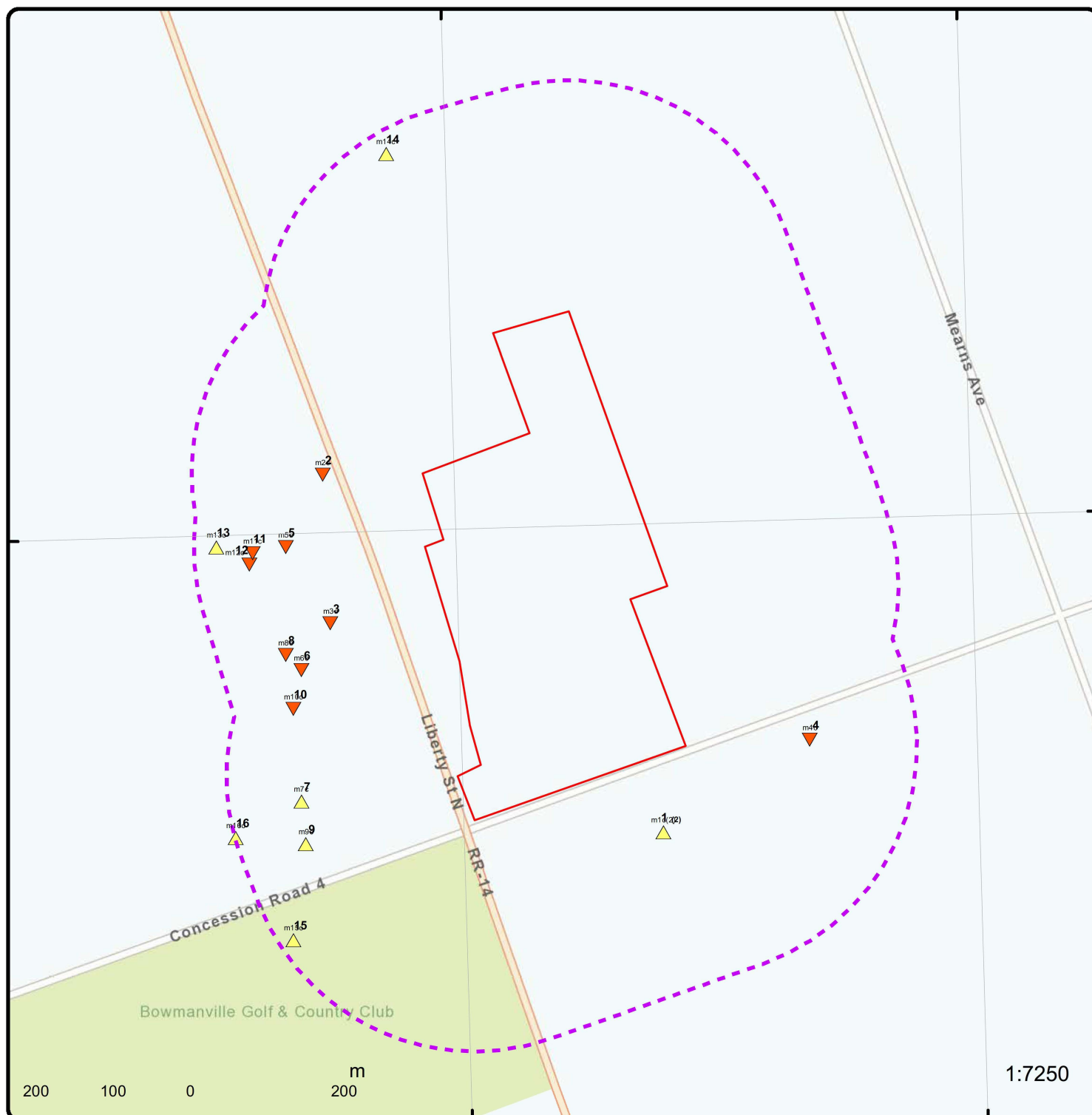
Executive Summary: Summary By Data Source

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 17 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 10 con 3 ON	96.1	<u>1</u>
	Well ID: 1907159		
	lot 10 con 6 ON	96.1	<u>1</u>
	Well ID: 1901678		
	4220 LIBERTY ST N BOWMANVILLE ON	130.0	<u>2</u>
	Well ID: 7365859		
	lot 11 con 4 ON	145.9	<u>3</u>
	Well ID: 1904085		
	lot 9 con 3 ON	161.2	<u>4</u>
	Well ID: 1901389		
	lot 11 con 4 ON	180.5	<u>5</u>
	Well ID: 1902023		
	lot 11 con 4 ON	199.8	<u>6</u>
	Well ID: 1904645		
	lot 11 con 4 ON	205.6	<u>7</u>
	Well ID: 1902544		
	lot 11 con 4 ON	213.2	<u>8</u>
	Well ID: 1901492		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 11 con 4 ON Well ID: 1911314	215.3	<u>9</u>
	lot 11 con 4 ON Well ID: 1905511	222.3	<u>10</u>
	4182 LIBERTY ST. lot 11 con 4 BOWMANVILLE ON Well ID: 7100907	223.7	<u>11</u>
	4250 LIBERTY ST. N lot 11 con 4 BOWMANVILLE ON Well ID: 7118371	228.7	<u>12</u>
	lot 11 con 4 ON Well ID: 1902545	270.5	<u>13</u>
	lot 10 con 4 ON Well ID: 1906065	270.8	<u>14</u>
	lot 11 con 3 ON Well ID: 1904845	281.6	<u>15</u>
	lot 11 con 4 ON Well ID: 1909736	298.8	<u>16</u>



Map: 0.3 Kilometer Radius

Order Number: 24070200664

Address: 815-835 Ontario Road, Bowmanville, ON



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

78°42'W

43°57'N



43°57'N

Aerial

Year: 2021

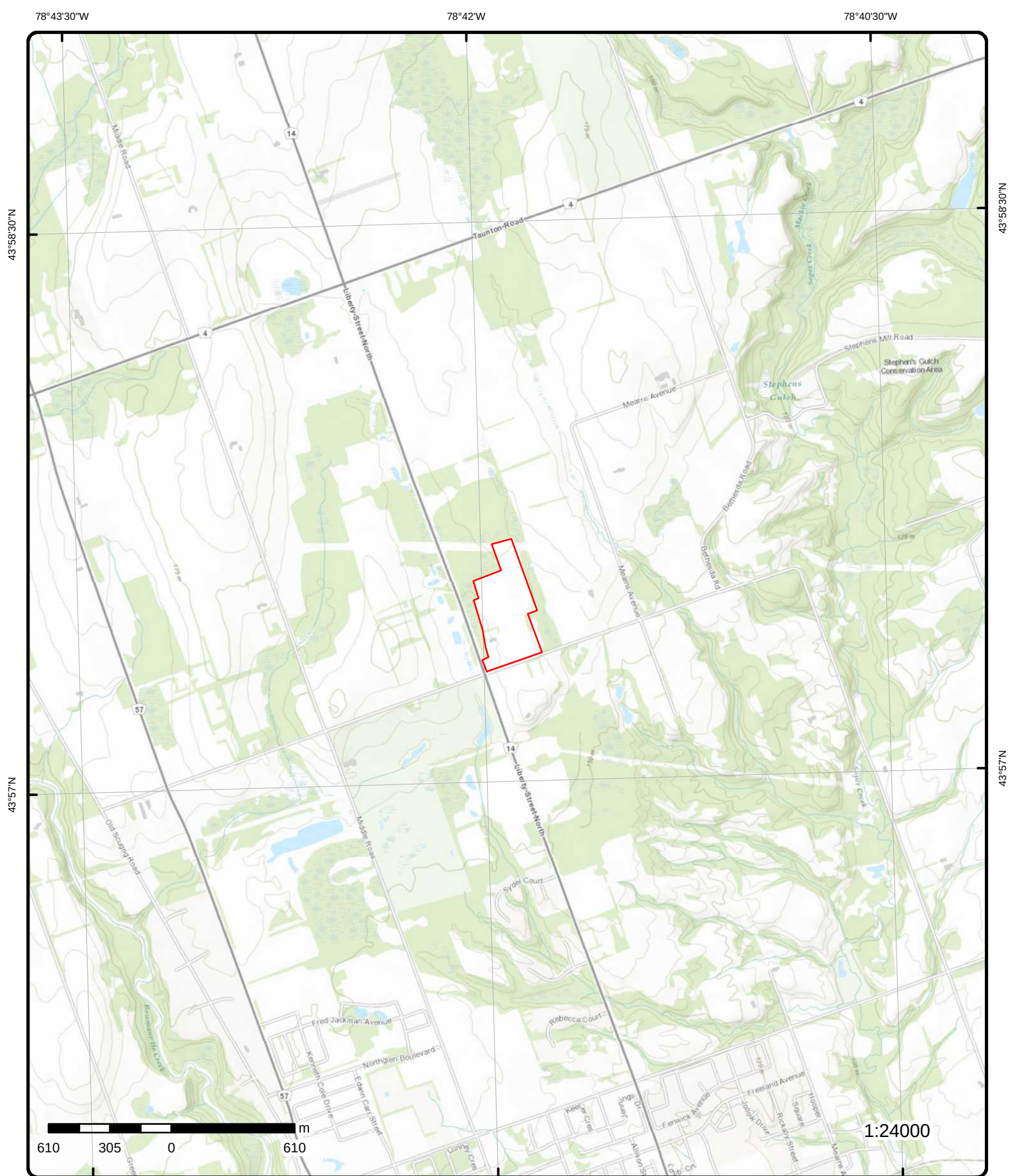
Order Number: 24070200664

Address: 815-835 Ontario Road, Bowmanville, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: 815-835 Ontario Road, ON

Source: ESRI World Topographic Map

Order Number: 24070200664



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	SSE/96.1	161.9 / 0.46	lot 10 con 6 ON	WWIS
Well ID:		1901678		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Public		Data Entry Status:	
Use 2nd:		0		Data Src:	
Final Well Status:		Water Supply		Date Received:	
Water Type:				Selected Flag:	
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	
Tag:				Form Version:	
Constructn Method:				Owner:	
Elevation (m):				County:	
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1901678.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		04/12/1948			
Year Completed:		1948			
Depth (m):		57.912			
Latitude:		43.9547256063401			
Longitude:		-78.6968519046165			
X:		-78.69685175245017			
Y:		43.95472560233256			
Path:		190\1901678.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10070741		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		04/12/1948		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931142373			
Layer:		2			
Color:					
General Color:					
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		09			
Material 2 Desc:		MEDIUM SAND			
Material 3:		12			
Material 3 Desc:		STONES			
Formation Top Depth:		3.0			
Formation End Depth:		35.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931142372			
Layer:		1			
Color:					
General Color:					
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:		3.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931142374			
Layer:		3			
Color:					
General Color:					
Material 1:		09			
Material 1 Desc:		MEDIUM SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		35.0			
Formation End Depth:		90.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931142376			
Layer:		5			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		188.0			
Formation End Depth:		190.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931142375			
Layer:		4			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		90.0			
Formation End Depth:		188.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961901678			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619311			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128121			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		188.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930128122			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		190.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:	991901678				
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:	2.0				
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:	Yes				
<u>Water Details</u>					
Water ID:	933512236				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	35.0				
Water Found Depth UOM:	ft				

1	2 of 2	SSE/96.1	161.9 / 0.46	lot 10 con 3 ON	WWIS
Well ID:	1907159			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Public			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	01/09/1985
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2104
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	010
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEWCASTLE TOWN (DARLINGTON)				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1907159.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	12/14/1984				
Year Completed:	1984				
Depth (m):	59.1312				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Latitude:		43.9547256063401			
Longitude:		-78.6968519046165			
X:		-78.69685175245017			
Y:		43.95472560233256			
Path:		190\1907159.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10075800			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684795.10
Code OB Desc:				North83:	4869423.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	12/14/1984			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931164062				
Layer:	4				
Color:	6				
General Color:	BROWN				
Material 1:	17				
Material 1 Desc:	SHALE				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:	73				
Material 3 Desc:	HARD				
Formation Top Depth:	190.0				
Formation End Depth:	194.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931164059				
Layer:	1				
Color:					
General Color:					
Material 1:	23				
Material 1 Desc:	PREVIOUSLY DUG				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	5.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931164061			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		30			
Material 2 Desc:		MEDIUM GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		120.0			
Formation End Depth:		190.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931164060			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:		78			
Material 3 Desc:		MEDIUM-GRAINED			
Formation Top Depth:		5.0			
Formation End Depth:		120.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961907159			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10624370			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930133618			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		194.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991907159			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At:					
Static Level:		30.0			
Final Level After Pumping:		190.0			
Recommended Pump Depth:		190.0			
Pumping Rate:		3.0			
Flowing Rate:					
Recommended Pump Rate:		3.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		3			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934924501			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		190.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934122726			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		150.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934672236			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		190.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934404047			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		180.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933517697			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		194.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933517696			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		190.0			
Water Found Depth UOM:		ft			
2	1 of 1	WNW/130.0	159.8 / -1.71	4220 LIBERTY ST N BOWMANVILLE ON	WWIS
Well ID:		7365859		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Public		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Water Supply		Date Received:	08/20/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:		Z292497		Contractor:	7415
Tag:		_NO_TAG		Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:					
Site Info:					
<u>Bore Hole Information</u>					
Bore Hole ID:		1008450698		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	9
Date Completed:		08/14/2020		UTMRC Desc:	unknown UTM
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1008755109			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008755118			
Layer:		1			
Plug From:		0.0			
Plug To:		10.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008755117			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008755107			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008755112			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:		0.0			
Depth To:		26.0			
Casing Diameter:		30.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1008755113			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008755108			
Pump Set At:					
Static Level:					
Final Level After Pumping:		10.0			
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1008755114			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		9.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1008755115			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		26.0			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		1008755111			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		9.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1008755110			
Diameter:		30.0			
Depth From:		0.0			
Depth To:		26.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>3</u>	1 of 1	W/145.9	157.8 / -3.69	lot 11 con 4 ON	WWIS
Well ID:	1904085			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	03/11/1975
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2214
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1904085.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/21/1974			
Year Completed:		1974			
Depth (m):		28.956			
Latitude:		43.9572719762949			
Longitude:		-78.7021377451311			
X:		-78.70213759217138			
Y:		43.95727197230043			
Path:		190\1904085.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10073104		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684363.10
Code OB Desc:				North83:	4869694.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:		12/21/1974		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931152041			
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:		13.0			
Formation End Depth:		29.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931152044			
Layer:		7			
Color:		6			
General Color:		BROWN			
Material 1:		28			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		90.0			
Formation End Depth:		95.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931152039			
Layer:		2			
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:		1.0			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931152040			
Layer:		3			
Color:					
General Color:					
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		12.0			
Formation End Depth:		13.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931152038			
Layer:		1			
Color:		8			
General Color:		BLACK			
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:		1.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931152042			
Layer:		5			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		29.0			
Formation End Depth:		70.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931152043			
Layer:		6			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		70.0			
Formation End Depth:		90.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961904085			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10621674			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930130744			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		95.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930130743			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		28.0			
Casing Diameter:		30.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		991904085			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:		10.0			
Recommended Pump Rate:		10.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		Yes			
 <u>Water Details</u>					
Water ID:		933514752			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		12.0			
Water Found Depth UOM:		ft			
 <u>Water Details</u>					
Water ID:		933514753			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		70.0			
Water Found Depth UOM:		ft			
<u>4</u>	1 of 1	ESE/161.2	155.8 / -5.67	lot 9 con 3 ON	WWIS
Well ID:	1901389			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	03/07/1962
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2113
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	009

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1901389.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		02/20/1962			
Year Completed:		1962			
Depth (m):		51.2064			
Latitude:		43.9557574189916			
Longitude:		-78.6944440203985			
X:		-78.69444386752349			
Y:		43.95575741539832			
Path:		190\1901389.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10070452		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684985.10
Code OB Desc:				North83:	4869543.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:		02/20/1962		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931141157			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		09			
Material 2 Desc:		MEDIUM SAND			
Material 3:		12			
Material 3 Desc:		STONES			
Formation Top Depth:		42.0			
Formation End Depth:		167.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931141156			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:		09			
Material 2 Desc:		MEDIUM SAND			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		23.0			
Formation End Depth:		42.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931141155			
Layer:		1			
Color:					
General Color:					
Material 1:		23			
Material 1 Desc:		PREVIOUSLY DUG			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		23.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931141158			
Layer:		4			
Color:		8			
General Color:		BLACK			
Material 1:		17			
Material 1 Desc:		SHALE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		167.0			
Formation End Depth:		168.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961901389			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619022			
Casing No:		1			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930127809			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		168.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991901389			
Pump Set At:					
Static Level:					
Final Level After Pumping:		30.0			
Recommended Pump Depth:		30.0			
Pumping Rate:		12.0			
Flowing Rate:		4.0			
Recommended Pump Rate:		12.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		30			
Flowing:		Yes			
<u>Water Details</u>					
Water ID:		933511925			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		167.0			
Water Found Depth UOM:		ft			
<u>5</u>	1 of 1	W/180.5	158.8 / -2.69	lot 11 con 4 ON	WWIS
Well ID:	1902023			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	12/18/1967
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3102
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902023.pdf				
Additional Detail(s) (Map)					
Well Completed Date:	10/11/1967				
Year Completed:	1967				
Depth (m):	9.7536				
Latitude:	43.9581771688554				
Longitude:	-78.7028269845674				
X:	-78.7028268323574				
Y:	43.95817716569422				
Path:	190\1902023.pdf				
Bore Hole Information					
Bore Hole ID:	10071086		Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone: 17		
Code OB:			East83: 684305.00		
Code OB Desc:			North83: 4869793.00		
Open Hole:			Org CS:		
Cluster Kind:			UTMRC: 5		
Date Completed:	10/11/1967		UTMRC Desc: margin of error : 100 m - 300 m		
Remarks:			Location Method: p5		
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:	931143747				
Layer:	2				
Color:	3				
General Color:	BLUE				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	19.0				
Formation End Depth:	32.0				
Formation End Depth UOM:	ft				
Overburden and Bedrock					
Materials Interval					
Formation ID:	931143746				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	09				
Material 2 Desc:	MEDIUM SAND				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		19.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902023			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619656			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128526			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		32.0			
Casing Diameter:		30.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991902023			
Pump Set At:					
Static Level:		15.0			
Final Level After Pumping:					
Recommended Pump Depth:		30.0			
Pumping Rate:		1.0			
Flowing Rate:					
Recommended Pump Rate:		1.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
<u>Water Details</u>					
Water ID:		933512579			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		15.0			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 1	WSW/199.8	158.8 / -2.64	lot 11 con 4 ON	WWIS
Well ID:1904645 Construction Date: Use 1st:Domestic Use 2nd:0 Final Well Status:Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src:1 Date Received:07/14/1977 Selected Flag:TRUE Abandonment Rec: Contractor:2104 Form Version:1 Owner: County:DURHAM Lot:011 Concession:04 Concession Name:CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1904645.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		06/28/1977			
Year Completed:		1977			
Depth (m):		12.192			
Latitude:		43.9567327211313			
Longitude:		-78.7026321472589			
X:		-78.70263199424939			
Y:		43.95673271777669			
Path:		190\1904645.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10073591		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		06/28/1977		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931154004			
Layer:		2			
Color:		6			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		85			
Material 2 Desc:		SOFT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.0			
Formation End Depth:		35.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931154005			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		77			
Material 3 Desc:		LOOSE			
Formation Top Depth:		35.0			
Formation End Depth:		40.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931154003			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:		85			
Material 2 Desc:		SOFT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well</u> <u>Use</u>					
Method Construction ID:		961904645			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10622161			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930131265			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		40.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991904645			
Pump Set At:					
Static Level:					
Final Level After Pumping:		10.0			
Recommended Pump Depth:		30.0			
Pumping Rate:		30.0			
Flowing Rate:		2.0			
Recommended Pump Rate:		25.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		Yes			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934407849			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934667803			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934927101			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934124810			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		0.0			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		933515257			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		40.0			
Water Found Depth UOM:		ft			
7	1 of 1	WSW/205.6	161.5 / 0.03	lot 11 con 4 ON	WWIS
Well ID:	1902544			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	05/06/1968
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	3102
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902544.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	04/26/1968				
Year Completed:	1968				
Depth (m):	8.8392				
Latitude:	43.9552033450627				
Longitude:	-78.7026911002468				
X:	-78.702690947203				
Y:	43.95520334171418				
Path:	190\1902544.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	10071605			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684325.10
Code OB Desc:				North83:	4869463.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	04/26/1968			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931145834			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		15.0			
Formation End Depth:		29.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931145832			
Layer:		1			
Color:					
General Color:					
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:		2.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931145833			
Layer:		2			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.0			
Formation End Depth:		15.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961902544			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		10620175			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930129122			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		29.0			
Casing Diameter:		30.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		991902544			
Pump Set At:					
Static Level:		5.0			
Final Level After Pumping:					
Recommended Pump Depth:		28.0			
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:		1.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
<u>Water Details</u>					
Water ID:		933513097			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		5.0			
Water Found Depth UOM:		ft			
<u>8</u>	1 of 1	W/213.2	159.8 / -1.67	lot 11 con 4 ON	WWIS
Well ID:	1901492			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	10/03/1966
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2609
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevatn Reliabilty:			Lot:	011	
Depth to Bedrock:			Concession:	04	
Well Depth:			Concession Name:	CON	
Overburden/Bedrock:			Easting NAD83:		
Pump Rate:			Northing NAD83:		
Static Water Level:			Zone:		
Clear/Cloudy:			UTM Reliability:		
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1901492.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		05/04/1966			
Year Completed:		1966			
Depth (m):		3.3528			
Latitude:		43.9569176578139			
Longitude:		-78.7028742873747			
X:		-78.70287413414194			
Y:		43.95691765457368			
Path:		190\1901492.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10070555		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684305.10
Code OB Desc:				North83:	4869653.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:		05/04/1966		UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931141562			
Layer:		3			
Color:					
General Color:					
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		5.0			
Formation End Depth:		11.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931141561			
Layer:		2			
Color:					
General Color:					
Material 1:		09			
Material 1 Desc:		MEDIUM SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		1.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931141560			
Layer:		1			
Color:					
General Color:					
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:		09			
Material 2 Desc:		MEDIUM SAND			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		1.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961901492			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619125			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930127921			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		11.0			
Casing Diameter:		36.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991901492			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At: Static Level: 4.0 Final Level After Pumping: Recommended Pump Depth: 10.0 Pumping Rate: 3.0 Flowing Rate: Recommended Pump Rate: 2.0 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: Pumping Duration MIN: Flowing: No					
<u>Water Details</u>					
Water ID: 933512035 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 5.0 Water Found Depth UOM: ft					
<u>9</u>	1 of 1	SW/215.3	162.2 / 0.73	lot 11 con 4 ON	WWIS
Well ID: 1911314 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: 91800 Tag: Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: NEWCASTLE TOWN (DARLINGTON) Site Info:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: 1 Date Received: 12/06/1991 Selected Flag: TRUE Abandonment Rec: Contractor: 1413 Form Version: 1 Owner: County: DURHAM Lot: 011 Concession: 04 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/191\1911314.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 11/11/1991 Year Completed: 1991 Depth (m): 28.6512 Latitude: 43.9547070437953 Longitude: -78.7026354522252 X: -78.70263529932738 Y: 43.95470704074741 Path: 191\1911314.pdf					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	10079937			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684331.10
Code OB Desc:				North83:	4869408.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	11/11/1991			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	www
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931184225				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	12				
Material 2 Desc:	STONES				
Material 3:	73				
Material 3 Desc:	HARD				
Formation Top Depth:	37.0				
Formation End Depth:	67.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931184224				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	12				
Material 2 Desc:	STONES				
Material 3:	73				
Material 3 Desc:	HARD				
Formation Top Depth:	0.0				
Formation End Depth:	37.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931184226				
Layer:	3				
Color:	2				
General Color:	GREY				
Material 1:	08				
Material 1 Desc:	FINE SAND				
Material 2:	06				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2 Desc:		SILT			
Material 3:		05			
Material 3 Desc:		CLAY			
Formation Top Depth:		67.0			
Formation End Depth:		94.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933121722			
Layer:		1			
Plug From:		0.0			
Plug To:		10.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933121723			
Layer:		2			
Plug From:		83.0			
Plug To:		87.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961911314			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10628507			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930137875			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		87.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		933332576			
Layer:		1			
Slot:		004			
Screen Top Depth:		87.0			
Screen End Depth:		94.0			
Screen Material:					
Screen Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter UOM:		inch			
Screen Diameter:		6.0			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991911314			
Pump Set At:					
Static Level:		8.0			
Final Level After Pumping:		87.0			
Recommended Pump Depth:		83.0			
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:		4.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934135874			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934407548			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934666912			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934919719			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933521938			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:		94.0			
Water Found Depth UOM:		ft			
10	1 of 1	WSW/222.3	159.4 / -2.12	lot 11 con 4 ON	WWIS
Well ID:		1905511		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Domestic		Data Entry Status:	
Use 2nd:		0		Data Src:	1
Final Well Status:		Water Supply		Date Received:	10/09/1979
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2104
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1905511.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		09/12/1979			
Year Completed:		1979			
Depth (m):		19.812			
Latitude:		43.9562854097615			
Longitude:		-78.7027740235689			
X:		-78.70277387146395			
Y:		43.95628540643141			
Path:		190\1905511.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10074348		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684315.10
Code OB Desc:				North83:	4869583.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:		09/12/1979		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931157364			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		66			
Material 3 Desc:		DENSE			
Formation Top Depth:		2.0			
Formation End Depth:		62.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931157363			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:		85			
Material 2 Desc:		SOFT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		931157365			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:		77			
Material 2 Desc:		LOOSE			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		62.0			
Formation End Depth:		65.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well</u> <u>Use</u>					
Method Construction ID:		961905511			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10622918			
Casing No:		1			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930132076			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		65.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991905511			
Pump Set At:					
Static Level:		0.0			
Final Level After Pumping:		60.0			
Recommended Pump Depth:		60.0			
Pumping Rate:		3.0			
Flowing Rate:		0.0			
Recommended Pump Rate:		3.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		5			
Pumping Duration MIN:		0			
Flowing:		Yes			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934127003			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		0.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933516057			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		65.0			
Water Found Depth UOM:		ft			

<u>11</u>	1 of 1	W/223.7	160.1 / -1.40	4182 LIBERTY ST. lot 11 con 4 BOWMANVILLE ON	WWIS
Well ID:	7100907			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Water Supply			Date Received:	01/14/2008
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z76552			Contractor:	2662
Tag:	A041118			Form Version:	4

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:				Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	 <

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:			1001525930		
Layer:			3		
Color:			6		
General Color:			BROWN		
Material 1:			05		
Material 1 Desc:			CLAY		
Material 2:			11		
Material 2 Desc:			GRAVEL		
Material 3:					
Material 3 Desc:					
Formation Top Depth:			5.0		
Formation End Depth:			9.0		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1001525928		
Layer:			1		
Color:			8		
General Color:			BLACK		
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:			2.0		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1001525932		
Layer:			5		
Color:			2		
General Color:			GREY		
Material 1:			06		
Material 1 Desc:			SILT		
Material 2:			11		
Material 2 Desc:			GRAVEL		
Material 3:			28		
Material 3 Desc:			SAND		
Formation Top Depth:			17.0		
Formation End Depth:			38.0		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1001525929		
Layer:			2		
Color:			6		
General Color:			BROWN		
Material 1:			28		
Material 1 Desc:			SAND		
Material 2:			11		
Material 2 Desc:			GRAVEL		
Material 3:					
Material 3 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		2.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1001525931			
Layer:		4			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		05			
Material 3 Desc:		CLAY			
Formation Top Depth:		9.0			
Formation End Depth:		17.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1001525933			
Layer:		6			
Color:		2			
General Color:		GREY			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		38.0			
Formation End Depth:		48.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1001525936			
Layer:		1			
Plug From:		0.0			
Plug To:		4.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1001525937			
Layer:		2			
Plug From:		4.0			
Plug To:		20.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1001525960			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1001525926			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1001525939			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		51.0			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1001525940			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:		1			
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		1001525927			
Pump Set At:		40.0			
Static Level:		2.0			
Final Level After Pumping:		16.299999237060547			
Recommended Pump Depth:		40.0			
Pumping Rate:		12.0			
Flowing Rate:					
Recommended Pump Rate:		10.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525948			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		0.5			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525954			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		15.800000190734863			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525958			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		16.299999237060547			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525943			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		15.300000190734863			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525952			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		15.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525942			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		8.800000190734863			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525947			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		15.899999618530273			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525955			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		16.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525941			
Test Type:		Draw Down			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration:		1			
Test Level:		12.5			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525950			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		2.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525957			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		16.200000762939453			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525951			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		15.600000381469727			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525946			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		0.699999988079071			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525944			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		3.5999999046325684			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525949			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		15.699999809265137			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525953			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		15.699999809265137			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525945			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		15.600000381469727			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1001525956			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		16.100000381469727			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1001525938			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		55.0			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1001525935			
Diameter:		10.0			
Depth From:					
Depth To:		55.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
12	1 of 1	W/228.7	160.1 / -1.39	4250 LIBERTY ST. N lot 11 con 4 BOWMANVILLE ON	WWIS
Well ID:	7118371			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Other			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Water Supply			Date Received:	01/23/2009
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z92837			Contractor:	1413
Tag:	A062929			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7118371.pdf				
<u>Additional Detail(s) (Map)</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Date:		11/12/2008			
Year Completed:		2008			
Depth (m):		17.0688			
Latitude:		43.9579820253858			
Longitude:		-78.703420299887			
X:		-78.70342014786944			
Y:		43.957982021587455			
Path:		711\7118371.pdf			
 <u>Bore Hole Information</u>					
Bore Hole ID:	1001966558			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684258.00
Code OB Desc:				North83:	4869770.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	11/12/2008			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	gis
Location Method Desc:	from gis				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1001972105				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:					
Material 2 Desc:					
Material 3:	79				
Material 3 Desc:	PACKED				
Formation Top Depth:	0.0				
Formation End Depth:	13.0				
Formation End Depth UOM:	ft				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1001972107				
Layer:	3				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:					
Material 2 Desc:					
Material 3:	08				
Material 3 Desc:	FINE SAND				
Formation Top Depth:	45.0				
Formation End Depth:	56.0				
Formation End Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1001972106			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:		73			
Material 3 Desc:		HARD			
Formation Top Depth:		13.0			
Formation End Depth:		45.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1001972110			
Layer:		1			
Plug From:		0.0			
Plug To:		20.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1001972115			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1001972103			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1001972112			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		51.0			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1001972113			
Layer:		1			
Slot:		6			
Screen Top Depth:		51.0			
Screen End Depth:		56.0			
Screen Material:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5.25			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1001972104			
Pump Set At:		30.0			
Static Level:					
Final Level After Pumping:		20.0			
Recommended Pump Depth:		3.0			
Pumping Rate:		25.0			
Flowing Rate:					
Recommended Pump Rate:		10.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		0			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
 <u>Water Details</u>					
Water ID:		1001972111			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		56.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1001972108			
Diameter:		10.0			
Depth From:		0.0			
Depth To:		20.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
 <u>Hole Diameter</u>					
Hole ID:		1001972109			
Diameter:		8.0			
Depth From:		20.0			
Depth To:		45.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
13	1 of 1	W/270.5	162.1 / 0.66	lot 11 con 4 ON	WWIS
Well ID:	1902545			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	09/26/1968
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2202

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902545.pdf			
 <u>Additional Detail(s) (Map)</u>					
Well Completed Date:		09/21/1968			
Year Completed:		1968			
Depth (m):		18.5928			
Latitude:		43.9581997086435			
Longitude:		-78.7039478513077			
X:		-78.70394769860287			
Y:		43.95819970534074			
Path:		190\1902545.pdf			
 <u>Bore Hole Information</u>					
Bore Hole ID:	10071606			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684215.00
Code OB Desc:				North83:	4869793.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	09/21/1968			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931145835				
Layer:	1				
Color:					
General Color:					
Material 1:	23				
Material 1 Desc:	PREVIOUSLY DUG				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	33.0				
Formation End Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931145837			
Layer:		3			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		53.0			
Formation End Depth:		59.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931145838			
Layer:		4			
Color:					
General Color:					
Material 1:		09			
Material 1 Desc:		MEDIUM SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		59.0			
Formation End Depth:		61.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931145836			
Layer:		2			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		13			
Material 2 Desc:		BOULDERS			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		33.0			
Formation End Depth:		53.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902545			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10620176			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930129124			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		61.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		930129123			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		33.0			
Casing Diameter:		30.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991902545			
Pump Set At:					
Static Level:		5.0			
Final Level After Pumping:		5.0			
Recommended Pump Depth:		25.0			
Pumping Rate:		15.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		30			
Flowing:		No			
 <u>Water Details</u>					
Water ID:		933513098			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		59.0			
Water Found Depth UOM:		ft			
14	1 of 1	NNW/270.8	165.4 / 3.89	lot 10 con 4 ON	WWIS
Well ID:	1906065			Flowing (Y/N):	
Construction Date:				Flow Rate:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	08/17/1981
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1926
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliability:				Lot:	010
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1906065.pdf			

Additional Detail(s) (Map)

Well Completed Date: 06/19/1981
Year Completed: 1981
Depth (m): 18.288
Latitude: 43.962732711628
Longitude: -78.7010309519204
X: -78.70103079934735
Y: 43.96273270860345
Path: 190\1906065.pdf

Bore Hole Information

Bore Hole ID:	10074852	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	684435.00
Code OB Desc:		North83:	4870303.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	06/19/1981	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 931159646
Layer: 4
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 77
Material 2 Desc: LOOSE
Material 3:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3 Desc:					
Formation Top Depth:		53.0			
Formation End Depth:		60.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931159644			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		77			
Material 3 Desc:		LOOSE			
Formation Top Depth:		2.0			
Formation End Depth:		9.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931159643			
Layer:		1			
Color:		8			
General Color:		BLACK			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:		77			
Material 2 Desc:		LOOSE			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931159645			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		77			
Material 3 Desc:		LOOSE			
Formation Top Depth:		9.0			
Formation End Depth:		53.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961906065			
Method Construction Code:		1			
Method Construction:		Cable Tool			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10623422			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930132616			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		57.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933330038			
Layer:		1			
Slot:		014			
Screen Top Depth:		57.0			
Screen End Depth:		60.0			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5.0			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991906065			
Pump Set At:					
Static Level:		12.0			
Final Level After Pumping:		45.0			
Recommended Pump Depth:		55.0			
Pumping Rate:		10.0			
Flowing Rate:					
Recommended Pump Rate:		8.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		4			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934128175			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		45.0			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934670061			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		45.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934410596			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		45.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934921710			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		45.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933516622			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60.0			
Water Found Depth UOM:		ft			
15	1 of 1	SW/281.6	164.3 / 2.85	lot 11 con 3 ON	WWIS
Well ID:	1904845			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	11/16/1977
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	2517
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEWCASTLE TOWN (DARLINGTON)				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1904845.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	10/07/1977				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year Completed:		1977			
Depth (m):		24.6888			
Latitude:		43.9535865100166			
Longitude:		-78.7028780470682			
X:		-78.70287789477979			
Y:		43.95358650688017			
Path:		190\1904845.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10073697			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	684315.10
Code OB Desc:				North83:	4869283.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	10/07/1977			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931154460				
Layer:	3				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:	05				
Material 3 Desc:	CLAY				
Formation Top Depth:	65.0				
Formation End Depth:	75.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931154459				
Layer:	2				
Color:	3				
General Color:	BLUE				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	41.0				
Formation End Depth:	65.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		931154458			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		12			
Material 3 Desc:		STONES			
Formation Top Depth:		0.0			
Formation End Depth:		41.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931154461			
Layer:		4			
Color:		3			
General Color:		BLUE			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		75.0			
Formation End Depth:		81.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961904845			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10622267			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930131383			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		81.0			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930131382			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		68.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991904845			
Pump Set At:					
Static Level:		45.0			
Final Level After Pumping:		48.0			
Recommended Pump Depth:		78.0			
Pumping Rate:		8.0			
Flowing Rate:					
Recommended Pump Rate:		8.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		No			
 <u>Water Details</u>					
Water ID:		933515371			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		66.0			
Water Found Depth UOM:		ft			
16	1 of 1	WSW/298.8	167.8 / 6.36	lot 11 con 4 ON	WWIS
Well ID:	1909736			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	04/17/1989
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	06498			Contractor:	1847
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	DURHAM
Elevatn Reliabilty:				Lot:	011
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NEWCASTLE TOWN (DARLINGTON)			
Site Info:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1909736.pdf			
Additional Detail(s) (Map)					
Well Completed Date:					
Year Completed:					
Depth (m):		7.3152			
Latitude:		43.9548018051557			
Longitude:		-78.703765934136			
X:		-78.70376578113026			
Y:		43.95480180168388			
Path:		190\1909736.pdf			
Bore Hole Information					
Bore Hole ID:		10078363		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:				UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:		931176284			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.0			
Formation End Depth:		15.0			
Formation End Depth UOM:		ft			
Overburden and Bedrock					
Materials Interval					
Formation ID:		931176285			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		05			
Material 2 Desc:		CLAY			
Material 3:					
Material 3 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		15.0			
Formation End Depth:		24.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931176283			
Layer:		1			
Color:		8			
General Color:		BLACK			
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:		2.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961909736			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10626933			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930136246			
Layer:		1			
Material:					
Open Hole or Material:					
Depth From:					
Depth To:		24.0			
Casing Diameter:		30.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		991909736			
Pump Set At:					
Static Level:		12.0			
Final Level After Pumping:					
Recommended Pump Depth:		22.0			
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:		3.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State After Test:		CLOUDY			
Pumping Test Method:					
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934122771			
Test Type:					
Test Duration:		15			
Test Level:		24.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934671272			
Test Type:					
Test Duration:		45			
Test Level:		24.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934924574			
Test Type:					
Test Duration:		60			
Test Level:		24.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934403128			
Test Type:					
Test Duration:		30			
Test Level:		24.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933520388			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		14.0			
Water Found Depth UOM:		ft			

Unplottable Summary

Total: 12 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	VELTRI & SONS CORPN.-LOT 11/CONC. 2	STREET 'A'/LIBERTY STREET	NEWCASTLE TOWN ON	
CA		Mearns Avenue	Clarington ON	
CA		Mearns Avenue	Clarington ON	
CA	NEWCASTLE MEADOWS INC.	LIBERTY ST.	NEWCASTLE TOWN ON	
PRT	ULTRAMAR CANADA INC	LOT 10 CON 4 TAUNTON & LIBERTY	BOWMANVILLE ON	
SPL	PUC	BOWMANVILLE LIBERTY ST. SOUTH TRANSFORMER	DURHAM R.M. ON	
SPL	UNKNOWN	IN BOWMANVILLE ON MEARNS ST. 1/2 KM NORTH OF CONCESSION ST.	CLARINGTON MUNICIPALITY ON	
WWIS		lot 9 con 4	ON	
WWIS		lot 11	ON	
WWIS		lot 11	ON	
WWIS		. Liberty Street North lot 10 con 3	Bowmanville ON	
WWIS		. Liberty Street North lot 11 con 3	Bowmanville ON	

Unplottable Report

Site: VELTRI & SONS CORPN.-LOT 11/CONC. 2
STREET 'A'/LIBERTY STREET NEWCASTLE TOWN ON

Database:
CA

Certificate #: 7-1747-90-
Application Year: 90
Issue Date: 12/7/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Mearns Avenue Clarington ON

Database:
CA

Certificate #: 8134-4JYNAQ
Application Year: 00
Issue Date: 5/8/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Durham
Client Address: Box 623, 105 Consumers Drive
Client City: Whitby
Client Postal Code: L1N 6A3
Project Description: Construction of a Watermain along Mearns Avenue
Contaminants:
Emission Control:

Site: Mearns Avenue Clarington ON

Database:
CA

Certificate #: 7820-4JYNUL
Application Year: 00
Issue Date: 5/8/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Durham
Client Address: Box 623, 105 Consumers Drive
Client City: Whitby
Client Postal Code: L1N 6A3
Project Description: This is an application for Municipal and Private Sewage Works Certificate of Approval to construct storm sewers.
Contaminants:
Emission Control:

Site: NEWCASTLE MEADOWS INC.
LIBERTY ST. NEWCASTLE TOWN ON

Database:
CA

Certificate #: 7-1170-89-

Application Year: 89
Issue Date: 7/25/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ULTRAMAR CANADA INC
LOT 10 CON 4 TAUNTON & LIBERTY BOWMANVILLE ON

Database:
PRT

Location ID: 1806
Type: retail
Expiry Date: 1996-02-28
Capacity (L): 90800
Licence #: 0048409001

Site: PUC
BOWMANVILLE LIBERTY ST. SOUTH TRANSFORMER DURHAM R.M. ON

Database:
SPL

Ref No: 28256 Municipality No: 10000
Year:
Incident Dt: 11/27/1989 Nature of Damage:
Dt MOE Arvl on Scn: Discharger Report:
MOE Reported Dt: 11/27/1989 Material Group:
Dt Document Closed: Impact to Health:
Site No: Agency Involved:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: DURHAM R.M.
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Preceding Spill:
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: UNKNOWN
Incident Summary: PUC - 50 L MINERAL OIL TO GROUND.
Activity Preceding Spill:

Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Site: UNKNOWN
IN BOWMANVILLE ON MEARN'S ST. 1/2 KM NORTH OF CONCESSION ST. CLARINGTON MUNICIPALITY ON

Database:
SPL

Ref No: 91441 Municipality No: 10402
Year: Nature of Damage:
Incident Dt: 9/19/1993 Discharger Report:
Dt MOE Arvl on Scn: Material Group:
MOE Reported Dt: 9/19/1993 Impact to Health:
Dt Document Closed: Agency Involved: WORKS
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: CLARINGTON MUNICIPALITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: OTHER CONTAINER LEAK
Incident Preceding Spill:
Environment Impact: CONFIRMED
Health Env Consequence:
Nature of Impact: Water course or lake
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND / WATER
Incident Reason: VANDALISM
Incident Summary: OIL ON SHOULDER OF ROAD AND IN DITCH, SOURCE UNKNOWN.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Site:
lot 9 con 4 ON

Database:
WWIS

Well ID: 1913060 Flowing (Y/N):
Construction Date: Flow Rate:
Use 1st: Domestic Data Entry Status:
Use 2nd: Data Src: 1
Final Well Status: Water Supply Date Received: 01/23/1997
Water Type: Selected Flag: TRUE
Casing Material: Abandonment Rec:

Audit No:	169196	Contractor:	1455
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	DURHAM
Elevatn Reliabilty:		Lot:	009
Depth to Bedrock:		Concession:	04
Well Depth:		Concession Name:	BF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEWCASTLE TOWN (DARLINGTON)		
Site Info:			

Bore Hole Information

Bore Hole ID:	10081678	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	04/19/1996	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931191883
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931191882
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:	1.0
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931191885
Layer: 4
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 17
Material 2 Desc: SHALE
Material 3: 26
Material 3 Desc: ROCK
Formation Top Depth: 30.0
Formation End Depth: 34.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931191884
Layer: 3
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 14.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933123547
Layer: 1
Plug From: 0.0
Plug To: 10.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961913060
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10630248
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930139689
Layer: 1
Material: 1

Open Hole or Material: STEEL
Depth From:
Depth To: 34.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991913060
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 12.0
Recommended Pump Depth: 28.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934132175
Test Type: Recovery
Test Duration: 15
Test Level: 6.0
Test Level UOM: ft

Water Details

Water ID: 933523594
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 30.0
Water Found Depth UOM: ft

Site:
lot 11 ON

Database:
[WWIS](#)

Well ID: 1915398
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 229254
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: BOWMANVILLE TOWN

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/26/2001
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6874
Form Version: 1
Owner:
County: DURHAM
Lot: 011
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Site Info:

Bore Hole Information

Bore Hole ID:	10517370	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	10/03/2001	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	932834655
Layer:	1
Color:	
General Color:	
Material 1:	00
Material 1 Desc:	UNKNOWN TYPE
Material 2:	60
Material 2 Desc:	CEMENTED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	932834656
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961915398
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 11065940
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930141949
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To:
Casing Diameter: 30.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991915398
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 27.0
Recommended Pump Depth: 26.0
Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 2.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934137661
Test Type: Recovery
Test Duration: 15
Test Level: 26.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934676824
Test Type: Recovery
Test Duration: 45
Test Level: 24.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934417479
Test Type: Recovery
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934931036

Test Type: Recovery
Test Duration: 60
Test Level: 23.0
Test Level UOM: ft

Water Details

Water ID: 934009155
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 15.0
Water Found Depth UOM: ft

Water Details

Water ID: 934009156
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 27.0
Water Found Depth UOM: ft

Site:

lot 11 ON

Database:
[WWIS](#)

Well ID: 1916051
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 241106
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality:
Site Info: NEWCASTLE TOWN (CLARKE)

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/03/2002
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3367
Form Version: 1
Owner:
County: DURHAM
Lot: 011
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10530589
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/24/2002
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 932882572
Layer: 2
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 28
Material 2 Desc: SAND
Material 3: 12
Material 3 Desc: STONES
Formation Top Depth: 2.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932882574
Layer: 4
Color: 6
General Color: BROWN
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 77
Material 2 Desc: LOOSE
Material 3:
Material 3 Desc:
Formation Top Depth: 53.0
Formation End Depth: 57.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932882573
Layer: 3
Color: 6
General Color: BROWN
Material 1: 08
Material 1 Desc: FINE SAND
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 53.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 932882571
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0

Formation End Depth: 2.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933230816
Layer: 1
Plug From: 0.0
Plug To: 18.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961916051
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11079159
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930142514
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933403341
Layer: 1
Slot: 012
Screen Top Depth: 53.0
Screen End Depth: 57.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5.0

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991916051
Pump Set At:
Static Level: 26.0
Final Level After Pumping: 47.0
Recommended Pump Depth: 47.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934419100
Test Type: Draw Down
Test Duration: 30
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934932709
Test Type: Draw Down
Test Duration: 60
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934138869
Test Type: Draw Down
Test Duration: 15
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934678446
Test Type: Draw Down
Test Duration: 45
Test Level: 47.0
Test Level UOM: ft

Water Details

Water ID: 934023360
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 57.0
Water Found Depth UOM: ft

Site:

. Liberty Street North lot 10 con 3 Bowmanville ON

Database:
[WWIS](#)

Well ID: 7449202
Construction Date:
Use 1st: Monitoring
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: VNHEUQD7
Tag: A381340
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 06/05/2023
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7360
Form Version: 9
Owner:
County: DURHAM
Lot: 010
Concession: 03

Well Depth:		Concession Name:	CON
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEWCASTLE TOWN (DARLINGTON)		
Site Info:			

Bore Hole Information

Bore Hole ID:	1009434011	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	684970.00
Code OB Desc:		North83:	4868229.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	05/23/2023	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:	1009434223
Layer:	1
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	06
Material 3 Desc:	SILT
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Annular Space/Abandonment

Sealing Record

Plug ID:	1009434410
Layer:	1
Plug From:	0.0
Plug To:	10.0
Plug Depth UOM:	ft

Annular Space/Abandonment

Sealing Record

Plug ID:	1009434352
Layer:	1
Plug From:	
Plug To:	
Plug Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID: 1009434117
Method Construction Code: E
Method Construction: Auger
Other Method Construction:

Pipe Information

Pipe ID: 1009434075
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1009434264
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1009434288
Layer: 1
Slot: 0.1
Screen Top Depth: 10.0
Screen End Depth: 15.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.25

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1009434076
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1009434320
Diameter: 6.0
Depth From: 0.0
Depth To: 15.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Site:

. Liberty Street North lot 11 con 3 Bowmanville ON

Database:[WWIS](#)

Well ID:	7449290	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Monitoring	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Observation Wells	Date Received:	06/07/2023
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	9L5D6ODK	Contractor:	7360
Tag:	A388131	Form Version:	9
Constructn Method:		Owner:	
Elevation (m):		County:	DURHAM
Elevatn Reliability:		Lot:	011
Depth to Bedrock:		Concession:	03
Well Depth:		Concession Name:	CON
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEWCASTLE TOWN (DARLINGTON)		
Site Info:			

Bore Hole Information

Bore Hole ID:	1009436069	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	685130.00
Code OB Desc:		North83:	4867797.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	05/24/2023	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:	1009436284
Layer:	1
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

**Annular Space/Abandonment
Sealing Record**

Plug ID:	1009436418
Layer:	1
Plug From:	

Plug To:
Plug Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1009436480
Layer: 1
Plug From: 0.0
Plug To: 16.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 1009436182
Method Construction Code: E
Method Construction: Auger
Other Method Construction:

Pipe Information

Pipe ID: 1009436135
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1009436327
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 15.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1009436357
Layer: 1
Slot: 0.1
Screen Top Depth: 15.0
Screen End Depth: 25.0
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.25

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1009436136
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID:	1009436388
Diameter:	6.0
Depth From:	0.0
Depth To:	25.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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 (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Apr 2024

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Apr 30, 2024

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

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

Government Publication Date: 1999-Apr 30, 2024

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -May 2024

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-May 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 - Jun 30, 2024

Drill Hole Database:

Provincial

[DRL](#)

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

Government Publication Date: 1886 - Aug 2023

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-Apr 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 - Jun 30, 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-Apr 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-Mar 31, 2024

Environmental Issues Inventory System:

Federal

[EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial

EPAR

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

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

List of Expired Fuels Safety Facilities:

Provincial

EXP

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

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

Government Publication Date: Oct 2023

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-Jun 2024

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial

FST

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

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2022

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

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

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

Federal

[NPCB](#)

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

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

Federal

[NPR2](#)

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

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

Federal

[NPRI](#)

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

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

Private

[OGWE](#)

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

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

Provincial

[OOGW](#)

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

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

Provincial

[OPCB](#)

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

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

Provincial

[ORD](#)

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

Government Publication Date: 1994 - Jun 30, 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-Apr 30, 2024

NPRI Reporters - PFAS Substances:

Federal

[PFCH](#)

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

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI:

Federal

[PFHA](#)

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

Government Publication Date: Sep 2020

Pipeline Incidents:

Provincial

[PINC](#)

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

Government Publication Date: Feb 28, 2021

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 - Jun 30, 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-Jun 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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in Mar 2023-Mar 2024, May 2024 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Jan 2023; see description

Wastewater Discharger Registration Database:

Provincial

[SRDS](#)

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

Government Publication Date: 1990-Dec 31, 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 2023

Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

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

Government Publication Date: Oct 2011-Apr 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.



HISTORICAL AERIALS

Project Property: Phase One ESA
2656 Concession Road 4
Bowmanville ON L1C 3K6

Project No: 122140375.200

Requested By: Stantec Consulting Ltd.

Order No: 24072600273

Date Completed: July 30, 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.

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2021	Maxar Technologies	10,000	
1990	Decade Coverage Unavailable	10,000	
1988	National Air Photo Library	10,000	Best Adjacent Decade Available
1980	National Air Photo Library	10,000	
1976	National Air Photo Library	10,000	
1969	National Air Photo Library	10,000	

Environmental Risk Information Services

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250
Meters



Year: 2021
Source: MAXAR
Scale: 10,000
Comment:

Address: 2656 Concession Road 4, Bowmanville, ON
Approx Center: -78.69871,43.95527

Order No: 24072600273



250
Meters



Year: 1988
Source: NAPL
Scale: 10,000
Comment: Best Adjacent Decade Available

Address: 2656 Concession Road 4, Bowmanville, ON
Approx Center: -78.69871,43.95527

Order No: 24072600273



250
Meters



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

Address: 2656 Concession Road 4, Bowmanville, ON
Approx Center: -78.69871,43.95527

Order No: 24072600273



250
Meters



Year: 1976
Source: NAPL
Scale: 10,000
Comment:

Address: 2656 Concession Road 4, Bowmanville, ON
Approx Center: -78.69871,43.95527

Order No: 24072600273



250
Meters



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

Address: 2656 Concession Road 4, Bowmanville, ON
Approx Center: -78.69871,43.95527

Order No: 24072600273





CITY DIRECTORY

Project Property: *Phase One ESA
2656 Concession Road 4
Bowmanville, ON L1C 3K6*

Project No: *122140375.200*

Requested By: *Stantec Consulting Ltd.*

Order No: *24072600273*

Date Completed: *July 30, 2024*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

July 30, 2024
RE: CITY DIRECTORY RESEARCH
2656 Concession Road 4
Bowmanville, ON L1C 3K6

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:

2656 of Concession Road 4

Search Notes:

Search Results Summary

Data from 2012 to 2021 does not include residential information

Date	Source	Comment
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	COLE	
2000	POLKS	
1995	MIGHTS	
1991	MIGHTS	
1985	MIGHTS	
1981	MIGHTS	
1975	MIGHTS	
1970-71	MIGHTS	
1966	MIGHTS	
1958	MIGHTS	

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

NO LISTING FOUND

NO LISTING FOUND

NO LISTING FOUND

2656 ADDRESS NOT LISTED

2656 RESIDENTIAL

2656 RESIDENTIAL

2656 STREET NOT LISTED

2656 STREET NOT LISTED

2656

STREET NOT LISTED

2656

STREET NOT LISTED

2656 STREET NOT LISTED

2656 STREET NOT LISTED

2656 STREET NOT LISTED



enviroscan



175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Nate

Site Address:

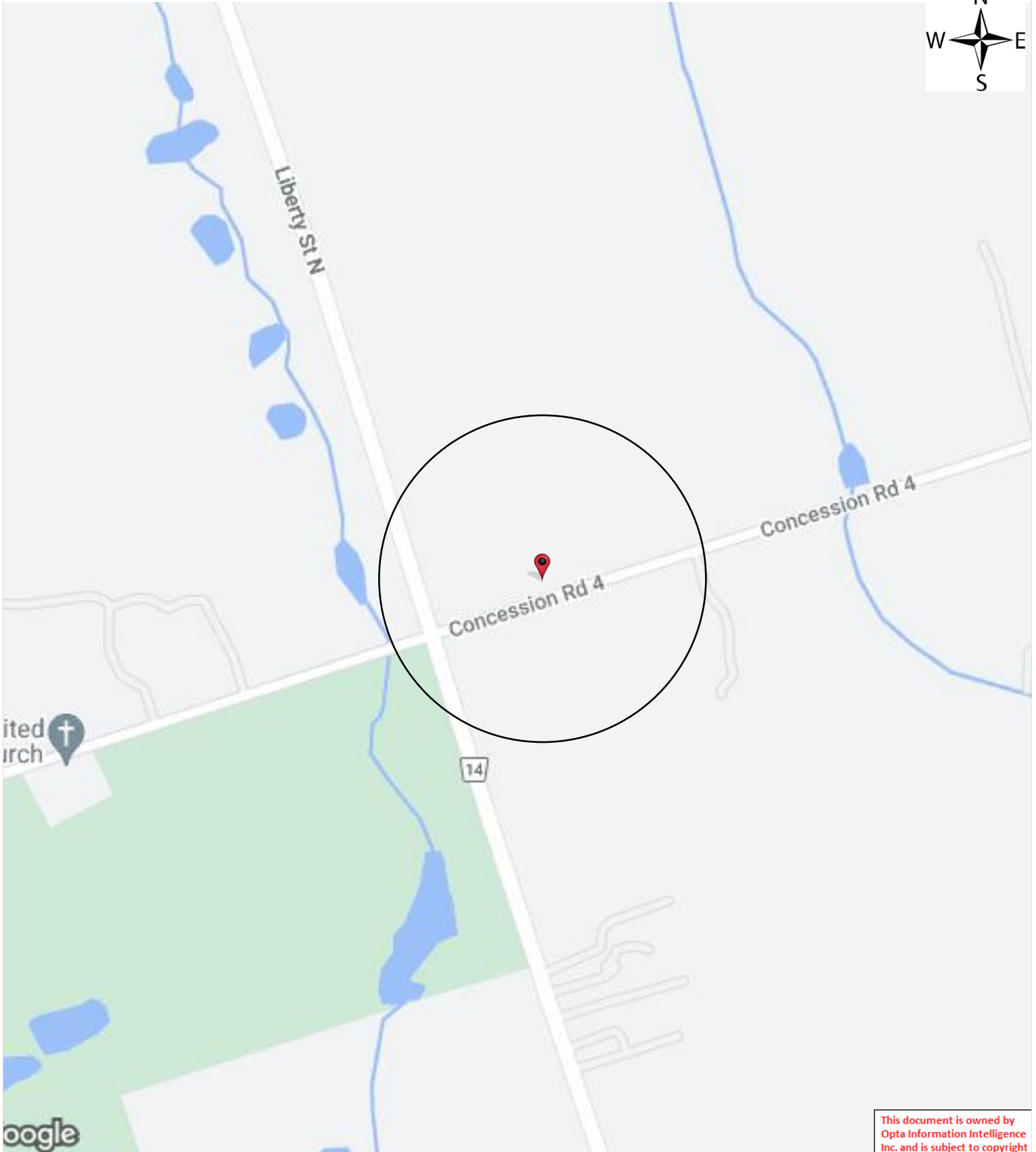
2656 Concession Road 4, Bowmanville, ON

Project No:
24072600273

Opta Order ID:
147406

Requested by:
Eleanor Goolab
ERIS

Date Completed:
8/2/2024 1:51:50 PM



**Opta Historical Environmental Services Enviroscan
Terms and Conditions**

Requested by:

Eleanor Goolab

Date Completed: 08/02/2024 13:51:50



OPTA INFORMATION INTELLIGENCE

Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

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

Disclaimer

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

Entire Agreement

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

Governing Document

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

Law

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

Project #: 24072600273
P.O. #: 122140375.200

No Records Found

Requested by:
Eleanor Goolab

Date Completed: 08/02/2024 13:51:50

OPTA INFORMATION INTELLIGENCE

No Records Found





September 5, 2024

Ms. Marissa Lusito
Stantec Consulting Ltd.
675 Cochrane Avenue, Suite 300W
Markham, Ontario L3R 0B8
marissa.lusito@stantec.com

Dear Marissa Lusito:

RE: **MECP FOI A-2024-05549 – 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:

2656 Concession Road 4, Bowmanville
Timeframe: January 1st, 1900 to August 22nd, 2024

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

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

If you have any questions, please contact Roxanne Chambers at 807-456-3035 or roxanne.chambers@ontario.ca.

Yours truly,

Roxanne Chambers

for

Josephine DeSouza
Manager, Access and Privacy Office



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

03 September 2024

Marissa Lusito
Stantec Consulting Ltd.
300-675 Cochrane Drive
Markham, ON L3R 0B8

Subject: 2656 Concession Road 4, Bowmanville, Ontario, Canada, L1C 5T1
Your File No.: 122140375.200
WO No.: 14415460

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested the release of information regarding the above noted address.

A search of TSSA public records **did not** locate any records relating to the following Program(s):

<u>Program</u>	<u>No Record</u>
Fuels Safety	☒
Boiler/Pressure Vessel	☐
Elevating & Amusement Devices	☐

**For BPV, if it has been indicated that records have been located but are not attached, it is likely that TSSA may not be the keeper of the records you are looking for, see note below.

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.

Should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

K. Gage

Kimberly Gage
Public Information Services

Limitations and Notices:

General:

TSSA, as a safety regulator, uses inspection resources to address the greatest harm posed to the public. Thus, inspection only follows-up on safety orders it issues based on the degree of risk posed by the non-compliance identified in the order(s). All high-risk orders will result in a follow-up inspection by TSSA until the non-compliance is resolved. TSSA no longer follows-up on low or medium risk orders referred to as safety tasks, therefore, TSSA can no longer provide you with a report indicating the safety tasks (low and medium-risk orders) have been resolved. This information should be obtained from the device/facility owner or their contractor. One can also engage a third-party contractor to confirm device/facility compliance.

The Public Information Department, (PID), can only provide **existing** records for a specific location, facility, or device. If an inspection or any other type of record does not exist, PID cannot instruct TSSA to do work, such as an inspection, to create a record. TSSA, as an outcome-based regulator, deploys all of its resources, including, inspections to address the greatest harm posed to the public; and as such, cannot deploy resources to create records to satisfy an inquiry.

Please Note: While the PID provides existing records for a specific location, facility, or device; it does not interpret or provide further explanations of the content contained in the document.

Change of Ownership

Please be advised, if the new owner has acquired a property that contains TSSA regulated devices, i.e. elevators, boilers and pressure vessels, they would be required to complete a change of ownership to obtain new licences. Visit our website at www.tssa.org under the Licencing & Registration section for the Change of Ownership process or contact our Customer Service department at 1.877.682.8772

TSSA Fuels Safety:

If you have environmental concerns regarding this property, you should consider hiring an environmental consultant to conduct an environmental assessment of the property in question.

- Sites that have not been licensed since 1987 may not be in TSSA records.
- Be advised, TSSA Fuels Safety Division did not register:
 - private fuel underground/ aboveground storage tanks prior to January of 1990; and
 - furnace oil tanks prior to May 1, 2002.
- If records being released to you relate to private fuel outlets (“PFOs”) or fuel oil furnace tanks, please note the following:
 - PFOs are defined in O. Reg. 217/01 (Liquid Fuels), where “private outlet” means “any premise, other than a retail outlet, where gasoline or an associated product is put into the fuel tanks of motor vehicles or floating motorized watercraft or into portable containers”. After 2001, PFOs were no longer required to be licenced in Ontario. Thus, TSSA’s records and information regarding PFOs is dated and unverified.
 - Underground furnace fuel oil tanks were required to be registered with TSSA commencing in 2001. These underground tanks are registered; however, TSSA does not inspect or verify the registered tank information. It is incumbent on the fuel distributor to ensure that the tanks are registered. Above ground fuel oil furnace tanks do not require TSSA registration.
 - Please be advised that while the TSSA releases information relating to PFOs or fuel oil furnace tanks pursuant to the TSSA’s Access and Privacy Code, the TSSA cautions against reliance on this information.

- In particular, because PFOs do not require a license and there is no requirement to submit any documentation to TSSA for review or approval, TSSA has limited information on these facilities. The TSSA cautions that any information provided may be inaccurate, incomplete, or out of date.
- Fuels Safety Division does not register
 - private waste oil tanks in apartments, office buildings, residences etc.; and
 - aboveground gas or diesel tanks.
- The *Technical Standards and Safety Act* and associated regulations do not require the registration of private fuel outlets, nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

TSSA Elevating & Amusement Devices Program Notice:

- All orders and/or directions issued by the TSSA Inspector have a compliance date and the owner or designated contractor are required to comply within the specified time limit. Compliance is the responsibility of the owner or operator of the device.
- All written declarations of compliance (where eligible) should be sent to TSSA. Once a declaration of compliance has been received, the outstanding order will be resolved.
- Each report shows the details and date of the inspection conducted by TSSA at the requested location.
- The Ontario Amusement Devices Regulation (O. Reg. 221/01) was adopted in 2001. Since that time, TSSA retains copies of technical dossiers of new amusement devices in Ontario (as per TSSA's retention policy). However, for rides that existed prior to the adoption of the Regulation, which were subject to a "grandfathering-in" clause, technical dossiers were not required to be filed with the TSSA. However, if the amusement ride remains in operation, as per ASTM requirements, the owner/licensee must possess an operations document for the device in question.

Federal Elevators

- Please be advised that without the express written consent of the owner, the TSSA does not release any information with respect to federal elevators or federal elevating equipment. The TSSA is a provincial regulator for the province of Ontario and federal elevators do not fall within the scope of TSSA's provincial mandate and the *Technical Standards and Safety Act* and associated Regulations. Further, the TSSA's Access and Privacy Code only applies to information collected, used, or disclosed by the TSSA in the course of TSSA's administration of the *Act*. Therefore, information with respect to federal elevators or federal elevator equipment is outside of the administration of the *Act*, and outside of the scope of the TSSA's Access and Privacy Codes.

Indigenous Lands

- Please be advised that the TSSA does not release any information with respect to indigenous lands, which are outside of the TSSA's mandate, without the express written permission from the Band. The *Technical Standards and Safety Act*, associated regulations, and TSSA's Access and Privacy Code does not apply to indigenous lands.

TSSA Boilers and Pressure Vessels (BPVs) Program Notice:

- Be advised, TSSA does not typically periodically inspect BPVs. These inspections are usually performed by insurance companies.
- **Inspection reports may not be submitted to TSSA by insurance companies; therefore, while TSSA may have some evidence of a BPV at a location on file, there may be no inspection records pertaining to BPVs located at the address provided.
- As of July 1, 2018, BPVs in Ontario may not be operated unless the Director has issued a current certificate of inspection (COI) to the owner or operator. A COI will be issued to the owner or operator of the BPV by TSSA after TSSA has received a Record of Inspection (ROI) from the insurer/third-party inspector, the associated fees have been paid and the BPV has passed a periodic inspection.
- Please note that if the BPV in question is insured, the insurance company may have additional inspection records. Please contact the insurer directly should you wish to obtain further information.



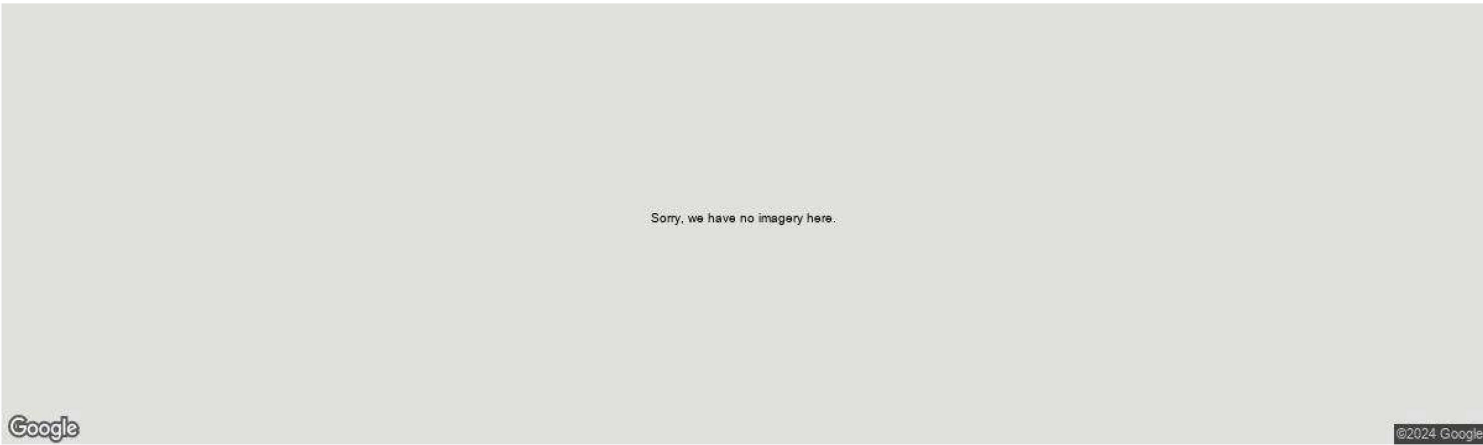
2656 Concession Rd 4, Bowmanville, L1C3K6

[Suggest an address correction](#)

 Owner Name THE CORPORATION OF THE MUNICIPALITY OF CLARINGTON	 Last Sale \$1,397,000 Apr 29, 2021	 Lot Size 2,898,126 ft ² 7,077 ft AreaPerimeter Measurements Available (See Site & Structure)
---	--	---

Legal Description
PT LT 10 CON 4 DARLINGTON AS IN N155845 EXCEPT PTS 43, 44, 45 & 46, 10R134; S/T N38706, N6546, N75380; MUNICIPALITY OF CLARINGTON

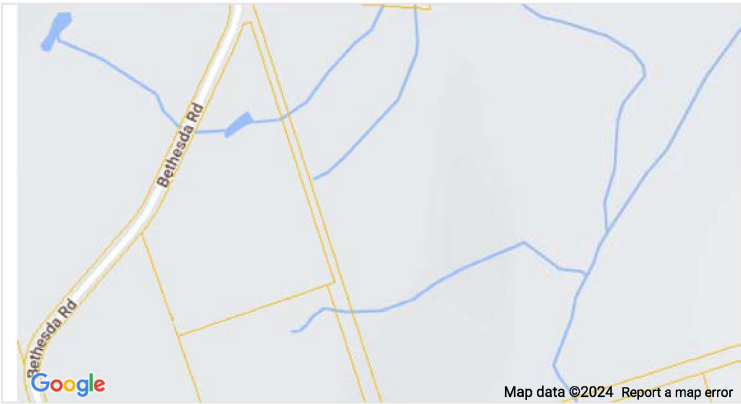
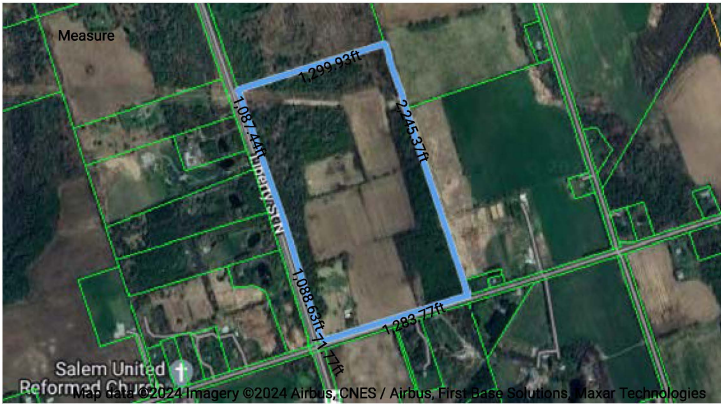
Property Details



GeoWarehouse Address 2656 CONCESSION RD 4, BOWMANVILLE, L1C3K6	Ownership Type Freehold	Registration Type Certified (Land Titles)
Land Registry Office Durham (40)	Land Registry Status Active	PIN 266910015
Owner Names THE CORPORATION OF THE MUNICIPALITY OF CLARINGTON	Property Type FARM	

×

Hi. Need any help?



Lot Size

Area: 2,898,126.26 ft² (66.532 ac) Perimeter: 7,076.77 ft
Measurements: 1,299.93 ft x 1,087.44 ft x 1,088.63 ft x 71.77 ft x 1,283.77 ft x 2,245.37 ft 🗺
Lot Measurement Accuracy: LOW ⓘ

Valuation & Sales

Sales History

Sale Date	Sale Amount	Type	Party To	Notes
Apr 29, 2021	\$1,397,000	Transfer by Personal Representative	THE CORPORATION OF THE MUNICIPALITY OF CLARINGTON;	
Apr 29, 2021	\$0	Transmission by Personal Representative (Land)	RICHARDS, DONALD GEORGE - ESTATE; RICHARDS, DONNA;	
Nov 10, 1989	\$2	Transfer	RICHARDS, DONALD GEORGE;	

2656 Concession Road 4 Bowmanville

PIN 26691-0015 LT

PIN 26691-0059 R

Lot 10 Concession 4 Darlington

Chain of Title

The Corporation of the Town of Clarington

2021 04 29

Donald Grove Richards

1989 11 10

Lloyd Richards
Eva M Richards

July 27 1948

Lloyd Richards

July 10 1941

Emma Jane Collacott
Marjorie Helen Collacott
Ella Maud Collacott
Doris Mae Collacott
Robert Collacott
estate of George Collacot

March 19 1925

Estate of Edward Rutledge

Jan1 1876

Leonard Rutledge

Jan 21 1876

John Rutledge

Nov 21 1855

James Rutledge

Nov 21 1855

Alan Napier McNab

August 10 1832

Zacheus Durnam (Durham) ?

August 10 1832

P. Ruttan Sheriff? Hard to read

Break in chain - might have been a sheriff deed

Agustus Patt

May 2 1799

Crowm

LAND
REGISTRY
OFFICE #40

26691-0015 (LT)

PAGE 1 OF 4
PREPARED FOR peter001
ON 2024/08/06 AT 16:22:16

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 10 CON 4 DARLINGTON AS IN N155845 EXCEPT PTS 43, 44, 45 & 46, 10R134; S/T N38706, N6546, N75380;; MUNICIPALITY OF CLARINGTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:

RE-ENTRY FROM 26691-0059

PIN CREATION DATE:

2000/05/26

OWNERS' NAMES

THE CORPORATION OF THE MUNICIPALITY OF CLARINGTON

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/08/10 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/05/26						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/05/26 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/05/29 **						
N6546	1958/07/11	TRANSFER EASEMENT			TRANS-CANADA PIPE LINES LIMITED	C
N11297	1960/04/22	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
N11492	1960/05/30	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
PPL660	1960/11/30	PLAN MISCELLANEOUS				
N19301	1963/05/06	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY, LIMITED	
N25789	1965/05/17	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***		
N34374	1967/10/02	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	

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.

LAND
REGISTRY
OFFICE #40

26691-0015 (LT)

PAGE 2 OF 4
PREPARED FOR peter001
ON 2024/08/06 AT 16:22:16

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
10RD8	1968/08/29	PLAN REFERENCE			NATIONAL TRUST COMPANY LIMITED	C
N38706	1968/10/21	TRANSFER EASEMENT			TRANS-CANADA PIPE LINES LIMITED	C
N41514	1969/06/20	SUP DEED TRST&MORT		*** COMPLETELY DELETED ***	NATIONAL TRUST COMPANY LIMITED	
N54631	1972/06/16	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
N59057	1973/04/13	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
N69211	1974/10/17	NOTICE				C
10R491	1975/05/27	PLAN REFERENCE				C
N72990	1975/07/18	PLAN MISCELLANEOUS				C
REMARKS: LOCATION PLAN, INTERPROVINCIAL PIPE LINE LIMITED;						
N75380	1978/12/01	AGR RIGHT OF WAY				C
N103253	1981/06/04	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
N106561	1982/03/19	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
N107464	1982/06/14	SUP DEED TRST&MORT		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL TRUST COMPANY LIMITED	
N155845	1989/11/10	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	RICHARDS, DONALD GEORGE	
D396860	1992/09/18	NOTICE OF CLAIM				C
D508860	1998/01/22	NOTICE		*** DELETED AGAINST THIS PROPERTY ***		
REMARKS: MULTI						
DR191237	2003/07/22	CHARGE		*** COMPLETELY DELETED *** RICHARDS, DONALD GEORGE	RICHARDS, AYESHA	
DR1042310	2011/11/16	BYLAW		THE CORPORATION OF THE MUNICIPALITY OF CLARINGTON		C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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LAND
REGISTRY
OFFICE #40

26691-0015 (LT)

PAGE 3 OF 4
PREPARED FOR peter001
ON 2024/08/06 AT 16:22:16

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: PROPERTY IS HEREBY DESIGNATED AS A PROPERTY WHICH HAS HISTORIC OR ARCHITECURAL VALUE OR INTEREST UNDER SECTION 29 OF THE ONTARIO HERITAGE ACT, R.S.O. 1990, C.O.18.						
DR1344800	2015/03/05	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N11297 & D508860						
DR1344807	2015/03/05	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: N11492 & D508860						
DR1344822	2015/03/05	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N19301 & D508860						
DR1344833	2015/03/05	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N25789 & D508860						
DR1345004	2015/03/06	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N34374 & D508860						
DR1345009	2015/03/06	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N41514 & D508860						
DR1345013	2015/03/06	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N54631 & D508860						
DR1345016	2015/03/06	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N59057 & D508860						
DR1345028	2015/03/06	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N103253 & D508860						
DR1345034	2015/03/06	APL (GENERAL)		*** COMPLETELY DELETED *** CIBC MELLON TRUST COMPANY		
REMARKS: DELETE N106561 & D508860						
DR1345103	2015/03/06	APL (GENERAL)		*** COMPLETELY DELETED ***		

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.

LAND
REGISTRY
OFFICE #40

26691-0015 (LT)

PAGE 4 OF 4
PREPARED FOR peter001
ON 2024/08/06 AT 16:22:16

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
DR1743724	2018/10/15	DISCH OF CHARGE		CIBC MELLON TRUST COMPANY		
DR1996809	2021/04/29	APL DEL EXECUTION		RICHARDS, AYESHA		
DR1996810	2021/04/29	TRANSMISSION-LAND		RICHARDS, DONNA		
DR1996843	2021/04/29	TRANS PERSONAL REP	\$1,397,000	RICHARDS, DONNA	RICHARDS, DONNA RICHARDS, DONALD GEORGE - ESTATE THE CORPORATION OF THE MUNICIPALITY OF CLARINGTON	C

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.

PROPERTY DESCRIPTION:

PT LT 10 CON 4 TOWNSHIP OF DARLINGTON AS IN DN18999 EXCEPT PTS 43, 44, 45 & 46, 10R134; S/T N6546 & N38706 ; CLARINGTON

PROPERTY REMARKS:

THIS PARCEL WAS CREATED BASED ON INFORMATION CONTAINED IN DOCUMENT(S) N155845, WHICH IS (ARE) RECORDED FOR PIN IDENTIFICATION ONLY.

ESTATE/QUALIFIER:

RECENTLY:
PARCELIZED

PIN CREATION DATE:
1998/08/10

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
N155845	1989/11/10	TRANSFER	\$2	**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/08/10 ON THIS PIN** **WAS REPLACED WITH THE "PIN CREATION DATE" OF 1998/08/10** ** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1998/08/07 ** THIS ABSTRACT INCLUDES ALL INSTRUMENTS AND DOCUMENTS FROM: 1998/08/10 FOR THE PREVIOUS ABSTRACT SEE ABSTRACT BOOK NOTE: THIS PIN WAS ONCE REG PIN 26691-0015. THIS PROPERTY WAS CONVERTED TO LT ON 2000/05/26 REUSING PIN 26691-0015.	RICHARDS, DONALD GEORGE	C

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.

TOWNSHIP OF DARLINGTON LOT NUMBER TEN (10) IN THE FOURTH CONCESSION.

No. of In	Instrument	ITS DATE	DATE OF REGISTRY	GRANTOR	GRANTEE	Quantity of Land	Consideration or Amount of Mortgage	REMARKS
	GRANT	2 MAY 1739		CROWN	AGUSTUS HATT	200		
1822	DEED	1 AUG. 1831	9 AUG. 1832	M. RUTAN, S'LVIFF	ZACHARUS BURNHAM	S. E. PT. 39 AC. & 4.0 D. 7 1/2 D.		
1823	DEED	1 DEC. 1831	10 AUG. 1832	ZACHARUS BURNHAM	ALLAN NAPIER MCNAB	S. E. PT. 39 AC.		
2743	DEED	13 DEC. 1834	25 MAY 1835	JAMES HAMILTON	JOHN ORR	N. 1/2, 100 AC.		
3407	DEED	3 FEB. 1837	9 FEB. 1837	JOHN ORR	HENRY ORR	PT. OF S. PT. OF N. 1/2, 40		
988	DEED	16 APR. 1852	27 JULY 1852	JOHN ORR	JOHN POLLARD	N. PT., 60 AC.		
989	MORT.	16 APR. 1852	27 JULY 1852	JOHN POLLARD SR. & WIFE	JOHN ORR	N. PT., 60 AC. & 400. DIS. SEPT. 30, 1859.		
1105	DEED	25 DEC. 1852	5 JAN. 1853	HENRY ORR ET UX	ARCHIDALD FLETCHER	PT. S. PT. OF N. 1/2, 40 AC.		
1116	MORT.	22 DEC. 1852	20 JAN. 1853	ARCHIDALD FLETCHER ET UX	HENRY ORR	S. PT. OF N. 1/2, 40 AC. & 300. DIS. OCT. 3, 1853.		
1167	DEED	2 APR. 1852	7 APR. 1853	ARCHIDALD FLETCHER ET UX	SAMUEL PIPE	S. PT. OF N. 1/2, 40 AC.		
1168	MORT.	4 APR. 1853	7 APR. 1853	SAMUEL PIPE ET UX	HENRY ORR	S. PT. N. 1/2, 40 AC. & 300. DIS. APR. 15, 1857.		
2188	DEED	1 JAN. 1836	21 NOV. 1855	JAMES HAMILTON (EXECUTOR)	JAMES RUTLEDGE	S. 1/2, 100 AC.		
2189	DEED	1 DEC. 1840	21 NOV. 1855	JAMES RUTLEDGE	JOHN RUTLEDGE	S. 1/2, 100 AC.		
2217	WILL	30 JAN. 1837	3 SEPT. 1862	HENRY ORR		40 AC. PT. S. PT.		
7244	WILL	7 SEPT. 1867	12 DEC. 1867	SAMUEL PIPE	JOHN PIPE	S. 40 AC. OF N. 1/2		
2241	DEED	24 DEC. 1875	21 JAN. 1876	JOHN RUTLEDGE SR.	EDWARD RUTLEDGE	S. 1/2.		
2596	DEED	7 FEB. 1877	3 MAR. 1877	TOWNSHIP OF DARLINGTON	JAMES POLLARD	ROAD ALLOWANCE		
4195	DEED	7 NOV. 1882	8 NOV. 1882	JOHN PIPE ET UX	JOHN S. SOMERS	S. PT. OF N. 1/2, 40 AC.		
4196	MORT.	7 NOV. 1882	8 NOV. 1882	JOHN S. SOMERS ET UX	JOHN PIPE	S. PT. OF N. 1/2, \$3900.00 DISCHARGED.		from 90.06.22
6562	R. OF M.	25 MAY 1890	26 MAY 1890	JOHN PIPE	JOHN S. SOMERS	DISCHARGING \$4196.		from 90.06.22
457 G.	R. RELEASE	9 DEC. 1891	21 APR. 1893	ZACHARIAH POLLARD ET AL	W. E. POLLARD ET AL	WILL 235 GLN. & 6567 WILL BOOK.		
7659	DEED	22 FEB. 1893	23 DEC. 1897	GEORGE & JANE POLLARD, EXEC-CHARLES ZACHARIAH POLLARD		ROAD ALLOWANCE		
				UTORS OF WILL OF JAMES POLLARD				
8504	TRUST DEED	19 NOV. 1902	21 NOV. 1902	W. E. POLLARD & WIFE CATHERINE R. POLLARD	JOHN RUNDLE & JOHN M. WERRY, 60 AC. IN TRUST, SEE DEED.			
8818	CONVEYANCE	13 APR. 1904	15 APR. 1904	JOHN RUNDLE & JOHN M. WERRY, W. E. POLLARD		N. 60 AC. & CHATELLE & SEE DEED.		
9092	AGREEMENT	2 AUG. 1905	26 SEPT. 1905	JANE E. POLLARD	CHARLES Z. POLLARD	ROAD ALLOWANCE IN 2590, SEE INSTRUMENT.		
10489	MORT.	4 DEC. 1911	6 DEC. 1911	JOHN J. SOMERS & WIFE	RICHARD COUCH	PT. N. 1/2 & OTHER LUS. \$2000.00		from Sept. 10. 1930
11048	B. & S.	11 MAR. 1914	19 MAR. 1914	JOHN S. SOMERS & WIFE	L. HERBERT WALTON	40 AC. PT. OF N. 1/2 & OTHER LUS. SUB. TO 10489		
11052	B. & S.	12 MAR. 1914	25 MAR. 1918	L. HERBERT WALTON & WIFE	ROBERT HENRY COLLACOTT	40 AC. PT. N. 1/2, \$5050. SUB. TO MORT.		
11053	MORT.	23 MAR. 1914	25 MAR. 1914	ROBERT H. COLLACOTT & WIFE RICHARD COUCH		40 AC. PT. N. 1/2 & OTHER LD. \$1100.00		from Sept. 10. 1930
11321	B. & S.	14 APR. 1915	15 APR. 1915	W. E. POLLARD & WIFE	FRANK ALMER WERRY	SUB. TO MORT. TO R. COUCH.		
11322	MORT.	14 APR. 1915	15 APR. 1915	FRANK ALMER WERRY	W. E. & CATHERINE R. POLLARD	N. 60 AC. WITH RIGHTS & MORT. & \$100.00		
1484	WILL	28 AUG. 1918	7 JULY 1920	ELIZABETH J. RUTLEDGE	EVA C. MOORE, MARGARET M. HOWARD & EDNA E. GILBERT	INTEREST IN S. 1/2.		
12807	D. OF M.	6 APR. 1921	6 APR. 1921	CATHERINE R. POLLARD & FRANK A. WERRY		DISCHARGING \$11322.		from 13.19.33 Geo W
				ROBERT HERWOOD POLLARD,				
				FROM WILL OF W. E. POLLARD				
				& CATHERINE R. POLLARD IN				
				HER PRIVATE CAPACITY				
12859	GRANT	31 MAY 1921	31 MAY 1921	ROBERT HENRY COLLACOTT & WIFE, ROBERT CECIL COLLACOTT		40 AC. PT. N. 1/2.		
13126	GRANT	2 OCT. 1922	2 OCT. 1922	FRANK ALMER WERRY & WIFE	WILLIAM GEORGE CORNISH	N. 60 AC.		
14127	MORT.	2 OCT. 1922	2 OCT. 1922	WILLIAM GEORGE CORNISH & WIFE	FRANK ALMER WERRY	N. 60 AC. & OTHER LD. \$1500.00		from 13.19.33 Geo W
14131	D. OF M.	2 OCT. 1922	3 OCT. 1922	FRANK ALMER WERRY	JOHN P. WERRY	N. 60 AC. & OTHER LUS. ASSIGNING MORT.		from 13.19.33 Geo W
						DATED OCT. 2, 1922, MADE BY GEO. CORNISH		
						& FRANK A. WERRY		
14185	D. OF M.	30 DEC. 1922	3 JAN. 1923	JOHN HENRY WERRY	WILLIAM GEORGE CORNISH	DISCHARGING \$14127.		from 13.19.33 Geo W

TOWNSHIP OF DARLINGTON LOT NUMBER TEN (10) IN THE FOURTH CONCESSION.

223 1/2

2.

No. of Inst.	Instrument	ITS DATE	DATE OF REGISTRY	GRANTOR	GRANTEE	Quantity of Land	Consideration or Amount of Mortgage	REMARKS
13465	A. of M.	12 APR. 1924	22 APR. 1924	WALLACE DRUCE SOUCH, EXEC.	WALLACE DRUCE SOUCH			ASSIGNING MORTGAGE DATED MARCH 23, 1914, ECCT.
				UTOR OF WILL OF RICHARD				H. COLLACOTT TO RICHARD SOUCH, HWC, Sept. 10, 1914.
				HENRY SOUCH				
13469	D. of M.	22 APR. 1924	22 APR. 1924	WALLACE DRUCE SOUCH	ROBERT OLCH COLLACOTT			DISCHARGING #11053, HWC, Sept. 10, 1914.
13468	D. of M.	22 APR. 1924	22 APR. 1924	WALLACE DRUCE SOUCH, EXEC.	ROBERT OLCH COLLACOTT			DISCHARGING #10409, HWC, Sept. 10, 1914.
				UTOR OF WILL OF RICHARD				
				H. SOUCH				

223 1/2

No. of Instrument	Instrument	Its Date	Date of Registry	GRANTOR	GRANTEE	REMARKS
S.R. 1822	will + 4 March 1912 29 June 1915	Elizabeth Rutledge		Ellen Elizabeth Staples		all interest of testatrix in S 1/2 and in proceeds thereof which was devised or bequeathed or over which she had any power of appointment by will of her husband Edward Rutledge. S 1/2.
S.R. 1841	will + 5 June 1915 24 Nov. 1925	Edward Rutledge				
	Probate 18 July 1918					
14083	Grant 27 Oct. 1925 19 Mar. 1925	Neil Colville, Exor. & trustee under Will of Edward Rutledge		Robert Collacott & George Pollock		S 3/4 of S 1/2 as joint tenants.
"	"	"		Collacott) and to George Robert Collacott		→ N 1/4 of S 1/2 25 ac.
16645	Mort. 8 June 1900 17 June 1900	Charles Frank and Martha		William George Cornish		N. 60 acres with other lands; 1000.00 not recorded in full. See reference to 18998. R.U.C. 30/1961.
		Frank his wife as joint tenants				
✓ 16646	Grant 15 June 1900 17 June 1900	William George Cornish wife		Charles Frank and Martha Frank		N. 60 acres, with other lands; \$6250.00; as joint tenants and not as tenants in common
						See Deposit Index Number 484.
						See Deposit Index Number 506
16797	Grant 23 Sept. 1940 10 July 1941	Emma Jane Collacott, Marjorie Helen Lloyd Richards Collacott, Ella Maud Collacott, Doris Mae Collacott, and Robert George Collacott wife				S 3/4 chains of S 1/2; \$4000.00. The Treasurer of Ontario consents in the matter of the estate of George Collacott deceased;
16798	Mort. 7 Oct. 1940 10 July 1941	Lloyd Alfred Richards wife		George Lane		S 3/4 chains of S 1/2; \$3500.00. See reference to 18998. R.U.C. July 27/1959.
						See Deposit Index Number 747.
18416	Grant 11 Feb. 1947 13 Mar. 1947	Robert Cecil Collacott wife		Fredrick Samuel Ferguson and Lola Clara Ferguson as joint tenants		40 ac.±, part of N 1/2. Commencing at a post at S E L of N 1/2 of sd. lot 10; th. N 16° W. 20 ch. to a post; th. S 70° W. 20 ch. to a post; th. S 16° E. 20 ch. to a post; th. N 74° S. 20 ch. to the place of beginning; with other lands \$32500
18417	Mort. 11 Feb. 1947 13 Mar. 1947	Fredrick Samuel Ferguson and Lola Clara Ferguson		Robert Cecil Collacott		40 ac.±, part of N 1/2, described as in # 18416; \$1250.00. R.U.C. Nov 30, 1961.
18998	D. of M. 28 July 1948 27 July 1948	Esther Maud Gage Lane and William Ross Lane executors of will of Albert George Lane, deceased		Lloyd Alfred Richards		Certificate of discharge of # 18798. The Treasurer of Ontario consents in matter of estate of Albert George Lane deceased, July 22/1959.
18999	Grant 1 March 1948 27 July 1948	Lloyd Richards wife		Lloyd Richards and Eva M. Richards his wife as joint tenants		S 3/4 ch. of S 1/2; Natural love and affection and \$2.00
19440	Discharge 25 Aug. 1950 8 Sept. 1950	Charles Frank and Martha Frank his wife		Canadian Farm Loan Board		N. 60 acres, with other lands. See reference to # 11351. \$2900.00 See reference to 20187
19948	D. of M. 29 Aug. 1950 7 Oct. 1950	Wilma Fife, executor of will of William George Cornish deceased		Charles Frank and Martha Frank		Certificate of discharge of # 16645. The Treasurer of Ontario consents in R.U.C. Jan 24/1961.
20189	D. of M. 3 April 1951 3 April 1951	Robert Cecil Collacott		Fredrick Samuel Ferguson and Lola Clara Ferguson		Certificate of discharge of # 18417. R.U.C. Nov 30, 1961.

(Continued in Lower Leaf Book, Sheet 532, Page 1)

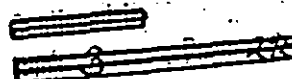
TOWNSHIP OF DARLINGTON LOT UNDER 124 (10) IN D-1, FOURTH CONCLUSION.

[illegible]

TOWNSHIP OF DARLINGTON LOT HANDED TEN (10) IN THE FOURTH CONCESSION.

2.

No of Lot	Instrument	ITS DATE	Date of Registry	GRANTOR	GRANTEE	Quantity of Land	Consideration or Amount of Mortgage	REMARKS
13465	A. G. M.	12 APR, 1924	20 JAN, 1924	BALLACR CRUEL LOUGH, LLC	BALLACR CRUEL LOUGH	1000	1000	1000
				1000	1000			
				1000	1000			
13467	B. G. M.	20 APR, 1924	20 APR, 1924	BALLACR CRUEL LOUGH	BALLACR CRUEL LOUGH	1000	1000	1000
13468	B. G. M.	20 APR, 1924	20 APR, 1924	BALLACR CRUEL LOUGH, LLC	BALLACR CRUEL LOUGH	1000	1000	1000



[illegible]

NUMBER	INSTRUMENT	DATE OF INSTRUMENT	DATE OF REGISTRATION	GRANTOR	GRANTEE	AREA	CONSIDERATION	REMARKS
22720	Option for Easement	8 Dec. 1954	19 Oct. 1955	Lloyd G. Richards, Grantor and Eva M. Richards, wife of Grantor	Inco-Canada Pipe Lines Limited	In option to purchase for \$500. an easement in perpetuity over a strip of land not to exceed 60' in width across the S. 34 chains of S. 2 of lot 10 Concession 4, Darlington.		
23204	By-Law	4 August 1955	8 August 1955	Corporation of the Township of Darlington.		That this lot, with other lands, is designated and established as an area of subdivision control.		
1437	Grant	15 June 1956	15 July 1956	Canadian Fur Seal Board, Grantor	Frederick Frank	Part of N. 1/2 of lot 10 Concession 4, Darlington.		
1175	Grant	28 May 1956	18 July 1956	Charles Frank & Marie Frank	Frederick Frank	Part of N. 1/2 of lot 10 Concession 4, Darlington.		
"	"	"	"	"	Jacob, Shoychet	Part of N. 1/2 of lot 10 Concession 4, Darlington.		
"	"	"	"	"	"	Part of N. 1/2 of lot 10 Concession 4, Darlington.		
6546	Easement	3 June 1957	11 July 1958	Lloyd Richards and Eva M. Richards	Inco-Canada Pipe Lines Limited	S. 34 chains of S. 2, 1/4, 90.		
6671	Supplemental Indenture to Deed of Trust and Mortgage	15 July 1958	29 July 1958	Trans. Canada Pipe Lines Limited	National Trust Company Limited	S. 34 chains of S. 2; with other lands. Premises, mutual		
6892	Grant	18 July 1958	29 Aug. 1958	Frederick Samuel Ferguson and Helen Clara Ferguson	Cornelio Dirk Schuddeboom and Sheila Margaret Schuddeboom his wife, as joint tenants	Part of N. 1/2 of ad. lot at S. E. 1/4 of N. 1/2 of ad. lot 10, Tm. S. 74° W. 200' to W. m. limit of ad. lot 10.		
6843	Mortgage	11 July 1958	29 August 1958	Cornelio Dirk Schuddeboom and Sheila Margaret Schuddeboom	Frederick Samuel Ferguson and Helen Clara Ferguson	Part of N. 1/2 of ad. lot at S. E. 1/4 of N. 1/2 of ad. lot 10, Tm. S. 74° W. 200' to W. m. limit of ad. lot 10.		

NUMBER	INSTRUMENT	DATE OF INSTRUMENT	DATE OF REGISTRATION	GRANTOR	GRANTEE	AREA CONSIDERATION REMARKS
6894	Grant	26 August 1958	29 August 1958	Frederick Samuel Ferguson and Lola Clara Ferguson	Walter Frank	Part of N $\frac{1}{2}$ s described as: Commg at point in S $\frac{1}{2}$ limit of sd. lot distant 660' N $\frac{1}{2}$ ly from a post in sd. S $\frac{1}{2}$ limit of lot 661' 2" Th. S 74° W. 200' to W $\frac{1}{2}$ limit of sd. lot; Th. S 16° E. in sd. W $\frac{1}{2}$ limit of lot 300'; Th. N. 74° E. 660'; Th. S 16° E. 361' 2"; Th. N. 74° E. 660' to P. of C.; other valuable consideration and \$1.00.
6895	Mortgage (not recorded in full)	27 August 1958	29 August 1958	Walter Frank, Mortgagee of the First Part, and Pearlina Anne Frank his wife of the Second Part;	Frederick Samuel Ferguson and Lola Clara Ferguson his wife as of and through	Part of N $\frac{1}{2}$ s described as in #6894; \$2000.00 sd. interest; Lot #12386
6923	Mortgage (not recorded in full)	7 Nov 1957	5 Sept 1958	Corporation of the Township of Darlington	Charles Richard Baker	Part of N $\frac{1}{2}$ of lot 10, Con. 4 described as in #6892; \$250.00
9231	Grant	22 July 1959	24 July 1959	Charles Frank and Martha Frank	Jacob Shoychet	Part of N $\frac{1}{2}$ part of lot 10, Con. 4 described as: Commg at N $\frac{1}{2}$ of lot 10, 200' to P. of C.; Th. E. by N $\frac{1}{2}$ ly limit 200'; Th. S. by W $\frac{1}{2}$ ly limit 7'; Th. W $\frac{1}{2}$ ly N $\frac{1}{2}$ ly limit 200' to P. of C.; 1.00 and premises.
9343	Grant	15 July 1959	31 July 1959	Jacob Shoychet and wife	Murphy-Canada Oil Company	Part of N $\frac{1}{2}$ part of lot 10, Con. 4 decd. as: Commg at N $\frac{1}{2}$ of lot 10, 200' to a point in S $\frac{1}{2}$ ly limit of Twentyn Road as widened, which is P. of C.; Th. E. by N $\frac{1}{2}$ ly limit of lot 10, 200'; Th. S. by W $\frac{1}{2}$ ly limit of lot 10, 200'; Th. W $\frac{1}{2}$ ly N $\frac{1}{2}$ ly limit of lot 10, 200' to a point in W $\frac{1}{2}$ ly limit of sd. lot at distance S $\frac{1}{2}$ ly 200' from P. of C.; Th. N $\frac{1}{2}$ ly along W $\frac{1}{2}$ ly limit of lot 10, 200' to P. of C.; 1.00 and other good and valuable consideration.
11297	Supplemental Indenture to Deed of Trust and Mortgage	1 Dec. 1959	22 April 1960	Imperial Canada Pipe Lines Limited	National Trust Company Limited, as Trustee	\$34 apiece of \$200 in #6546 with other lands; Covenants, premises and 10.00.
11351	2. of M.	28 April 1960	5 May 1960	Imperial Canada Pipe Lines Limited	Charles Frank and Martha Frank	Certificate of discharge of #11297, i.e.

NUMBER	INSTRUMENT	DATE OF INSTRUMENT	DATE OF REGISTRATION	GRANTOR	GRANTEE	AREA	CONSIDERATION	REMARKS
11492	Supplemental Indenture to Deed of Trust and Mortgage	14 April 1960 1 Jan. 1957	30 May 1960	Trans-Canada Pipe Lines Limited	National Trust Company Limited as trustee	834 chains of S2 as in #6546 with other lands; see document for consideration		
11775	Grant	25 April 1960	30 June 1960	Charles Frank and Martha Frank	Adam Hanson and Frank Wilson Hanson as joint tenants	Part of N.D. aced. of lot 10, Con. 4 described as: Comm'y at SW. of N6 acres, Th. Nly in + along W. boundary. 774°E. 635'5 1/2" Th.		
				to point distant S by 207' from NW. of lot 10, Th. 81°46'E. 537'8 1/2" Th. N56°57'20"E. 676'7 1/2" to ap. iron bar planted in E. limit of lot 10, Th. S by in + along E. limit to SE. of Nly 60 acres; Th. Wly in W. straight line across lot 10 to P. of C; Together with right of way over part described as Comm'y at an iron bar planted in E. limit of lot 10 + distant S by 545'5 1/2" from NE. of lot 10, Th. N15°25'20"W. along E. limit of lot 545'5 1/2" to NE. of lot 2, Th. 87°4'W. in + along N. limit 15; Th. S15°25'20"E. 550' to intersect a line drawn from P. of C. S56°57'20"W. Th. N56°57'20"E. to P. of C. with other lands. The grantor releases all interest in Deposit Index Number 1575; giving back of r. mortgage; other good and valuable consideration and \$200.				
11776	Mortgage	10/09/81 21 June 1960	30 June 1960	Adam Hanson and Frank Wilson Hanson	Charles Frank and Martha Frank	Part of N6 acres of lot 10, Th. S by in + along E. limit to SE. of Nly 60 acres; Th. Wly in W. straight line across lot 10 to P. of C; Together with right of way over part described as Comm'y at an iron bar planted in E. limit of lot 10 + distant S by 545'5 1/2" from NE. of lot 10, Th. N15°25'20"W. along E. limit of lot 545'5 1/2" to NE. of lot 2, Th. 87°4'W. in + along N. limit 15; Th. S15°25'20"E. 550' to intersect a line drawn from P. of C. S56°57'20"W. Th. N56°57'20"E. to P. of C. with other lands. The grantor releases all interest in Deposit Index Number 1575; giving back of r. mortgage; other good and valuable consideration and \$200.		
11777	Mortgage	10/09/81 21 June 1960	30 June 1960	Adam Hanson and Frank Wilson Hanson	Elizabeth Lee Matthew	Part of N6 acres of lot 10, Th. S by in + along E. limit to SE. of Nly 60 acres; Th. Wly in W. straight line across lot 10 to P. of C; Together with right of way over part described as Comm'y at an iron bar planted in E. limit of lot 10 + distant S by 545'5 1/2" from NE. of lot 10, Th. N15°25'20"W. along E. limit of lot 545'5 1/2" to NE. of lot 2, Th. 87°4'W. in + along N. limit 15; Th. S15°25'20"E. 550' to intersect a line drawn from P. of C. S56°57'20"W. Th. N56°57'20"E. to P. of C. with other lands. The grantor releases all interest in Deposit Index Number 1575; giving back of r. mortgage; other good and valuable consideration and \$200.		
12368	Grant	12 Sept. 1960	14 Sept. 1960	Walter Frank and wife	Norma May Nichol	Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration. Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration. Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration.		
12369	Mortgage	10/09/81 12 Sept. 1960	14 Sept. 1960	Norma May Nichol	Walter Frank	Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration. Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration. Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration.		
12586	S. of M.	7 Sept. 1960	16 Sept. 1960	Frederick Samuel Ferguson	Walter Frank	Certificate of discharge of mortgage #6895.		
12404	G. of M.	19 Sept. 1960	19 Sept. 1960	Walter Frank	R. Stanley Chapman	Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration. Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration. Part of lot 10, Con. 4 desc. as in #6894; 1.00 and other valuable consideration.		

SHEET NO. 533, Page 4
 LOT NO. 10
 CON NO. 4
 PLAN NO.

LOT TEN, CONCESSION FOUR, DARLINGTON.

SHEET NO.
 LOT NO.
 CON NO.
 PLAN NO.

NUMBER	INSTRUMENT	DATE OF INSTRUMENT	DATE OF REGISTRATION	GRANTOR	GRANTEE	AREA CONSIDERATION REMARKS
660	Plan		30 Nov. 1960	Trans-Canada Pipe Lined Limited		Lot 10, with other lands. See plan.
N16738	Grant	15 May 1962	31 May 1962	Frederick, Samuel Ferguson and Lole Clara Ferguson	Adrian L. Bond and Neelye Bond, as joint tenants	Part of 7 1/2 dec. as to find P.O.C. begins at S.E. of N12; Th N16°W. inv. along Ely
					limit of lot 330' to P.O.C. Th N87°40'W 1308' to point in line bdy. of lots Th N16°W 691'2"; Th N77°E 660'; Th S16°E 361'2"; Th N74°E 650'6" to E. n. bdy. of lots Th S16°E 330' to P.O.C.; other valuable consideration and \$1.00	
N16739	Mortgage	1 June 1962	31 May 1962	Adrian L. Bond and Neelye Bond	Frederick Samuel Ferguson and Lole Clara Ferguson	Part of 7 1/2 dec. as to find P.O.C. begins at S.E. of N12; Th N16°W. inv. along Ely
N16740	Mortgage	1 June 1962	31 May 1962	Frederick Samuel Ferguson and Lole Clara Ferguson	Adrian L. Bond and Neelye Bond	Part of 7 1/2 dec. as to find P.O.C. begins at S.E. of N12; Th N16°W. inv. along Ely
N18613	Grant	29 Jan. 1963	31 Jan. 1963	Norma May Nichols	Louise Olive Robinson	Part of 7 1/2 dec. as to find P.O.C. begins at S.E. of N12; Th N16°W. inv. along Ely
N18614	Mortgage	29 Jan. 1963	31 Jan. 1963	Louise Olive Robinson	L. Stanley Chapman	Part of 7 1/2 dec. as to find P.O.C. begins at S.E. of N12; Th N16°W. inv. along Ely
N18615	S. of M.	29 Jan. 1963	31 Jan. 1963	L. Stanley Chapman	Norma May Nichols	Certificate of discharge of mortgage #12367
N19301	Supplemental Indenture to Trust 1 Jan. 1957 and Mortgage	15 Nov. 1963	6 May 1963	Trans-Canada Pipe Lined Limited	National Trust Company Limited as trustee	8 3/4 chains of S.E. 1/4 with other lands. Refer to 6546; See document for consideration.
N20515	S. of M.	24 Sept. 1963	24 Sept. 1963	Albert George Johnson	Conelio Dick Schuddhorn and Sheila Margaret Schuddhorn	Certificate of discharge of mortgage #6893
N20519	Mortgage	24 Sept. 1963	24 Sept. 1963	Conelio Dick Schuddhorn and Sheila Margaret Schuddhorn	Albert George Johnson	Part of lot 10, Con 4 dec. as in #1892; \$3500.00
N23622	Grant	4 Jan. 1964	11 Sept. 1964	Murphy-Canada Oil Company	Murphy Oil Company Ltd.	Part of the N.E. portion of lot 10, Con 4; Described as in #9343. \$1.00 etc.

SHEET NO. 533 Page 5
 LOT NO. 10
 CON NO. 4
 PLAN NO.

LOT TEN, CONCESSION FOUR, DARLINGTON

SHEET NO.
 LOT NO.
 CON NO.
 PLAN NO.

NUMBER	INSTRUMENT	DATE OF INSTRUMENT	DATE OF REGISTRATION	GRANTOR	GRANTEE	AREA	CONSIDERATION	REMARKS
N25789	Supplemental Signature	15 Apr. 1965	17 May 1965	Trans-Canada Pipe Lines Limited	National Trust Company Limited as Trustee	Part of Lot 10, Con 4.		
N25498	D of M	7 May 1965	10/07/81 9 June 1965	Marithew, Elizabeth Rae	Gyams, Adam Gyams, Mabel Wilton	Discharge of # 11777.		
N31186	Wtq.	30 Apr. 1966	13 Oct. 1966	Gyams, Adam Gyams, Mabel Wilton	Adl, Andrew Adl, Nellie "joint account"	\$5,000.00 as in # 11775		
N33669	Selfish for Registration	11 Nov. 1965	18 July 1967	Re: estate of Charles	Richard Baker	Part of Lot 10, Con 4. Wtq. # 8023.		
N34374	Supplemental Signature	15 July 1967	2 Oct. 1967	Trans-Canada Pipe Lines Limited	National Trust Company Limited as Trustee	Part of Lot 10, Con 4.		
N35222	S. of M.	1 Apr. 1968	10/09/81 10 Apr. 1968	Hall, Frederick R. Cook, Fred W. J. Mottson, Clive Sons of Charles Richard Parker	Richardson, Connetie Rich Richardson, Clive Thompson	Discharge of # 8023		
N36246	S. of M.	20 April 1968	10/09/81 10 Apr. 1968	Gyams, Adam & George	Richardson, Connetie Rich Richardson, Clive Thompson	Discharge of # 11777		
R.D. 8	Plan	21 Aug. 1968	29 Aug. 1968	See Deposit # 8, R.D.	Reference Plan	Part of Lot 10, Con 4. as shown on Part 1 on plan shown - Royal Richards & Con. Richards		

LOT TEN CONCESSION FOUR

TOWNSHIP OF DARLINGTON

REGISTRATION NUMBER	INSTRUMENT	DATE OF INSTRUMENT	REGISTRATION DATE	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS
449246	H. G. 42	29.07.71	28.10.71	United Dominion Investments Limited	Baron, John		building for houses
X 43955	Deed	15 Apr. 1971	15 Apr. 1971	Frank, Martha	Peggart, Douglas Edward McCormick, Albert Joseph	2 nd 21	See parts of lot 10. See document
48956	Deed	15 Apr. 1971	15 Apr. 1971	Frank, Martha	Peggart, Douglas Edward McCormick, Albert Joseph	2 nd 21	Part of 1/2 of lot 10, cont. 11.83 acres. See document
49004	Deed	20 Apr. 1971	20 Apr. 1971	Ward, Thomas Edgar	O'Neil, Janet O'Neil, Charles Ward, Velma	2 nd 21	Three parts of 1/2 of lot 10. See document
49047	Deed	19 Apr. 1971	22 Apr. 1971	Peggart, Douglas Edward McCormick, Albert Joseph sp. wife	Frank, Walter Frank, Paula Anna United Counties Holdings Limited	2 nd 21	See parts of 1/2 of lot 10. See document
54631	Suppl- mental indenture	15 June 1972	16 June 1972	TransCanada Pipelines Limited	National Trust Company Limited as trustee		Part of lot 10.
55022	H. G. 42	01/02/73	22/10/72	Targuson, Fredrick	Baron, William S.		discharge of 1/2 of lot 10.
				Targuson, Lila Clara	Baron, Fredrick		
56249	Deed	22 Sept. 1972	27 Sept. 1972	Ward, Thomas Edgar	O'Neil, Janet O'Neil, Charles Ward, Velma partners in common	2 nd 21	Part of 1/2 of lot 10. cont. 33.765 acres

LOT TEN CONCESSION FOUR

TOWNSHIP OF DARLINGTON

REGISTRATION NUMBER	INSTRUMENT	DATE OF INSTRUMENT	REGISTRATION DATE	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS
56250	Deed	22 Sept. 1972	27 Sept. 1972	O'Neil, Janet O'Neil, Charles & wife Ward, Helma	Thos. H. Ward, Bernard Thos. H. Ward, Anna "as joint tenants"	2.00	Part of 1/2 ac. deeded in # 56249.
57522	10/7/72	7 Dec. 1972	15 Dec. 1972	Chapman, R. Stanley	Robinson, Annie Blain		discharge of debt
10134	Deed		27/6/1973	See Reference Plan 10134			Part of lot 10, designated as Parts 43, 44, 45, 46, 55, 57, 58, 59, 60, 61, 62, 67, 68, 69 70, 71, 72 as said plan
59151	Deed	11 Apr. 1973	13 Apr. 1973	Donaldson, Robert Smith	National Trust Company Trusted Trustee		Part of lot 10.
63142	Deed	11 Oct. 1973	7 Nov. 1973	Richards, Roy L. Richards, Eva M.	The Corporation of the United Counties of Northumberland and Durham	2.00	Part of lot 10, designated as Parts 44, 45 and 46 on Plan 10134. Subject to T.C.P.D. over Part 45, closed in 1973 716
64821	Deed	28 Jan. 1974	1 Feb. 1974	Boss, Adrian S. Boss, Phillis	Stewart, Elsie Blair Stewart, Anne "as joint tenants"	2.00	Part of 1/2 ac. of lot 10, and deeded in # 116738
64822	7/1/74	11 Jan. 1974	11 Feb. 1974	Stewart, Elsie Blair Stewart, Anne	Boss, Adrian S. Boss, Phillis "as joint tenants"	2.00	as in # 116738
65115	Partial	11 Mar. 1974	11 Mar. 1974	Boss, Adrian S. Boss, Phillis	Stewart, Elsie Blair Stewart, Anne		Partial discharge of debt Part of lot 10, designated as Part 65 on said plan 116738

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TOWNSHIP OF DARTMOUTH

REGISTRATION NUMBER	INSTRUMENT	DATE OF INSTRUMENT	REGISTRATION DATE	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS
65446	Deed.	13 Feb. 1974	11 Mar. 1974	Stewart, Elmer Elmer Stewart, Anne	The Regional Municipality of Durham.	2.24	Part of lot 10, designated as Part 68 on Plan 10R134.
61203	Wife	11 Apr. 1973	11 Apr. 1973	Stewart, Elmer Elmer Stewart, Anne	The Regional Municipality of Durham.	2.24	Part of lot 10, designated as Part 68 on Plan 10R134.
				(DISCHARGED BY 102812)			
168123	Deed	17 July 1974	2 Aug. 1974	Murphy, Del Gregory Ltd.	Howard, Robert James "To Use"	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
168123	Wife	17 July 1974	2 Aug. 1974	Howard, Robert James	Howard, Robert James	35,000	See it on 1973
69211	Option	15 Jul 1974	17 Oct. 1974	Richards, Lloyd Richards, Bern M.	Interprovincial Pipe Line Limited	100.00	2,244.50' of 1/2 of lot 10, as described in 18999.
69639	Deed	28 Oct. 1974	18 Nov. 1974	Wan, Arthur, Leonard Wan, Anna	The Regional Municipality of Durham.	2.24	Part of lot 10, being Parts 59, 60 and 61 on Plan 10R134.
THIS LAND IS NOW IN THE REGIONAL MUNICIPALITY OF DURHAM. WRITS OF EXECUTION ON FILE WITH THE CLERK AT EXPIRING ON DECEMBER 31, 1973. LAND THAT WAS IN THE COUNTY OF DURHAM ON THAT DATE. (The Execution Act, R.S.O. 1970, c.152, s.32).							
71377	Partial Dis. of M.	21 Apr. 1975	15 Apr. 1975	The Toronto Dominion Bank.	Robinson, Anne Elmer		Partial discharge of mortgage. Part of lot 10, designated as Part 68 on Plan 10R134.
10R491	Plan		27 May 1975	See Reference Plan	10R491		Part of lot 10, being Part 7 on said Plan.

REGISTRATION NUMBER	INSTRUMENT	DATE OF INSTRUMENT	REGISTRATION DATE	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS
71963	Deed	12 Mar. 1975	25 May 1975	Robinson, Louis Olive	The Regional Municipality of Durham	2.50	Part of lot 10, designated as Part 69 on Plan 10K134.
72990	Location Plan		18 Jul. 1975	Interprovincial Pipe Line Limited			Lot 10, with other lands
73910	Deed	2 Sept. 1975	5 Sept. 1975	Howard, Robert James	Martin, William L. "to him"	2.50	Part of N. by portion of lot 10, as described in # 7343.
74367	H. of M.	3 Sept. 1975	2 Oct. 1975	Martin, Alan L.	Howard, Robert James		discharge of # 7343
75380	Agmt. for R. of Ways Agreement	20 Oct. 1975	1 Dec. 1975	Richard, Lloyd Richard, Eva M.	Interprovincial Pipe Line Limited	3,786.00	Part of Lot 10, being Part "7" on Plan 10K134.
75175	Deed	23 June 1976	7 Jul. 1976	Martin, William L.	None, Pellegrino "to him"	2.50	Part of N. by part of lot 10, as described in # 73910. Being the lands described in # 7343.
75176	Judge	23 June 1976	7 Jul. 1976	None, Pellegrino	Martin, William L.	25,000.00	as described in # 7343
75177	Judge	23 June 1976	7 Jul. 1976	None, Pellegrino	Martin, William L.	25,000.00	as described in # 7343
77120	L. of M.	10 Sept. 1976	11 Sept. 1976	Martin, William L.	None, Pellegrino		discharge of # 77119
77127	L. of M.	10 Sept. 1976	11 Sept. 1976	Martin, William L.	None, Pellegrino		discharge of # 77119
79130	Judge	12 Sept. 1976	14 Sept. 1976	None, Pellegrino	Martin, William L.	50,920.00	Part of N. by part of lot 10, being the lands described in # 7343.
79711	H. of M.	25 Oct. 1976	25 Oct. 1976	Martin, William L.	Williamson, Harold	2.00	discharge of # 79130

TOWNSHIP OF DARLINGTON

NO. OF INSTRUMENT	INSTRUMENT	IT'S DATE	DATE OF REGISTRY	GRANTOR	GRANTEE	CONSIDERATION	QUANTITY OF LAND - REMARKS
81368	Deed.	14. Jul. 1976	7. Feb. 1977	Name, Pellegrino	Name, Theresa	1. ²⁶ / ₁₀₀	Part of 11 ¹ / ₄ portion of lot 10, as desc'd in # 9343.
82127				See Deposit Index # 82127 in 64821			
82130	Deed. for Reg.	21. Mar. 1977	21. Mar. 1977	Parents of Edwin Edwin Stewart			Part of 11 ¹ / ₄ of lot 10, as desc'd in # 64821 with other lands.
83033	Deed. for Reg.	29. Aug. 1977	1. Sept. 1977	Parents of Lisa Matilda Richards			Part of 11 ¹ / ₄ of lot 10, as desc'd in # 18902
85362	Deed.	11. Dec. 1977	11. Sept. 1977	Name, Theresa	Spur. Unit Ltd.	2,200.00	Part of 11 ¹ / ₄ portion of lot 10, as desc'd in # 9343.
				of the 1 st part			
				Name, Pellegrino			
				remainder of 1 st part			
86125	Deed.	21. Oct. 1977	1. Nov. 1977	Name, Theresa	Thiers, Henry Russell Thiers, Borya Jill as joint tenants	2. ²⁶ / ₁₀₀	Part of 11 ¹ / ₄ portion of lot 10, as desc'd in # 9343.
86299	Head Lease Agree.	1. Nov. 1977	14. Nov. 1977	Thiers, Henry Russell 9 Wfs.	Ultamas Antares Limited		Part of 11 ¹ / ₄ portion of lot 10, as desc'd in # 9343.
87741	Deed.	10. Feb. 1978	7. Dec. 1977	Thiers, Anthony L. Bory, Heidi	Stewart, Edwin Edwin Stewart, Bory		discharge of # 87600

TOWNSHIP OF DARTINGTON

NO. OF INSTRUMENT	INSTRUMENT	IT'S DATE	DATE OF REGISTRY	GRANTOR	GRANTEE	CONSIDERATION	QUANTITY OF LAND - REMARKS
89123	Deed	5 May 1975	5 June 1978	Blifuss, Werner M. Blifuss, Ursula R.	The Regional Municipality of Durham	2. ⁰⁰ / ₁₀₀ ac.	Part of lot 10. with other lands designated as Parts 78 and 79 on Plan 10R134.
02572	10. 1971	01/02/83 PD (100X2)	10. 1971	Stewart, Anne	Stewart, Louis Charles Stewart, Anne		discharge of mortgage
95311	Mtge	20 July 1977	20 July 1978	The Receiver, General Canadian War, Canada	Taschman, Sherron	50,000.00	Part of 8th of lot 10. as shown on 2 Feb 81. Land Reg. No. 51,604 61 on Plan 10R155
95339	By-Law 72-79.	16 May 1977	20 July 1978	The Regional Municipality of Durham			By-Law 72-79. Long & by-law to dedicate lands for Regional Road #14.
97957	Mtge	6 Feb 1980	12 Feb 1980	Steele, Harry Russell Steele, George Jill	Esther May Martin Trust Company	54,000.00	Part of 1st part of lot 10. as shown on 4303.
98158	10. 1971	01/02/83 PD (100X2)	10. 1971	Stewart, Anne	Stewart, Anne		discharge of mortgage
98159	10. 1971	01/02/83 PD (100X2)	10. 1971	Taschman, Sherron	Stewart, Anne		discharge of mortgage
98404	Deed	10 May 1980	3 Apr 1980	Stewart, Anne	Cur, Krishna Kumar Cur, Rathi as joint tenants	2. ⁰⁰ / ₁₀₀ ac.	Part of 11 1/2 of lot 10. as described in 64821. See Reg. Part 68 on Plan 10R134.

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CONCESSION

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TOWNSHIP

OF

DARLINGTON

REGISTRATION NUMBER	INSTRUMENT	DATE OF INSTRUMENT	REGISTRATION DATE	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS	
98405	TRG	25.7/11/1980	3. Apr. 1980	Luis, Krishna Kumar Puri, Ruth	Shivast; Anne	35,000.00	as described in 64621. See except Part 68 in Plan 10R134.	
99765	TRG	1 Aug. 1980	12 Aug. 1980	Van der Meer, Bernard Van der Meer, Anne	Fischman, Sheldon	100,000.00	Part of 64621, as described in 64621. See except Part 68 in Plan 10R134.	
100362	S. of M.	8 Aug. 1980	10 Oct. 1980	Fischman, Sheldon	Van der Meer, Bernard Van der Meer, Anne		discharge for 99765	
101771	SURRENDER OF LEASE	20 JAN 1981	21 JAN 1981	ULTRAMAR CANADA LIMITED	WINS, HENRY RUSSELL		SURRENDER OF LEASE NO. 84299. PART LOT - AS DESCRIBED IN INSTRUMENT NO. 9243.	PG
101772	EQUIPMENT INSTALLATION AGREEMENT	1 JAN 1981	21 JAN 1981	WINS, HENRY RUSSELL WINS, BERNITH JILL	ULTRAMAR CANADA INC.		PART LOT - AS DESCRIBED IN INSTRUMENT NO. 9243.	PG
100162	DM		03/01/80	FISCHMAN, SHELDON	VAN DER MEER, BERNARD VAN DER MEER, ANNE		DISCHARGE OF MORTGAGE NO. 99765.	FC
102812	DM		05/05/81	THE TORONTO-DOMINION BANK	ROBINSON, LOUISE OLIVE		DISCHARGE OF MORT. # 66283	FC
103253	SUPPLEMENTAL INDENTURE		04/06/81	TRANSCANADA PIPELINES LIMITED	NATIONAL TRUST COMPANY LIMITED		ASIN # 6546 & N38706 W.O.L	FC
106561	SUPPLEMENTAL INDENTURE		19/03/82	TransCanada Pipelines Limited	National Trust Company Limited as Trustee		As in #s 6546 & N38706 W.O.L's	
107464	Supplemental Indenture		14/06/82	TransCanada Pipelines Limited	National Trust Company Limited as Trustee		AS IN # 6546 & N38706 W.O.L's	

LOT TEN CONCESSION FOUR

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TOWNSHIP OF DARLINGTON

REGISTRATION NUMBER	INSTRUMENT	DATE OF INSTRUMENT	REGISTRATION DATE day/month/year	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS
X 127429	GRANT		30.04.86	FRANK, Walter	WILLOUGHBY, David Ernest WILLOUGHBY, Joanne Margaret as JT.		PART OF LOT-Reg. at pt in Ely 1st lot 10 distant Sly 8.60' fr NEV lot 10; TH Wly 699.64' to p of c; TH Sly 199.36'; TH Wly 225.45; TH Wly 199.16'; TH Ely 212.82' to p of c. As fifthly described in #48955
127430	MORT		30.04.86	WILLOUGHBY, David Ernest	FRANK, Walter	\$23,000.00	PART OF LOT-as in #127429 and being fifthly described in #48955.
DISCHARGED BY NO. 137480 (11.09.87) K. J. L. M.				WILLOUGHBY, Joanne Margaret			
131059	Grant		30 10 86	HANN, Frank Everett HANN, Alison Jane	HUBER, Robert HUBER, Lydia Joy as JT		Part-as des'd in 126723
133958	Grant		10 04 87	PURI, Ruth, as to undivided $\frac{1}{2}$ interest	PURI, Ruth, as to undivided $\frac{1}{2}$ interest		Part-as des'd in No 98404
136272	MORT		15.07.87	HUBER, Robert	OSWATA COMMUNITY CREDIT	\$90,000.00	Part north one-half lot as des'd in Inst. #131069
DELETED UNDER 16.5142 R. Kiff 12.8.87				HUBER, Lydia Joy	UNION LIMITED		
DELETED UNDER D430851 SBAOR.							
133112	Mort		24.08.87	WILLOUGHBY, David Ernest	Bank of Montreal	\$87,000.00	Part as 5thly described in #48933.
				WILLOUGHBY, Joanne Margaret			
139775	Grant		07 01 88	PURI, Ruth PURI, Krishan Kumar	PURI, Krishan Kumar		Part lot as in #92404
139277	MORT		14.09.88	KEITH, Brian Morris	The Bank of Nova Scotia	\$60,000.00	Part as des'd 4thly in 49047
DELETED UNDER 156102 Porter 12.8.87				KEITH, Mary Anne Rachel			
✓ 148573	Transfer		YE. MO. DAY 89 01 31	WIENS, Henry Russell WIENS, Berwyn Jill	Ultramar Canada		Part- as des'd in 86125
DELETED UNDER D463029 AS ALD.							
154543	Charge		89-09-20	KEITH, Brian Morris KEITH, Mary Anne Rachel	Scotia Mortgage Corporation	\$60,000.00	Part-as des'd 4thly in 49047

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ABSTRACT INDEX

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LOT 10 CONCESSION 4

Township of Darlington

REGISTRATION NUMBER	INSTRUMENT	REGISTRATION DATE YR. MO. DAY	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS
155845	Transfer	89.11.10	RICHARDS, Lloyd	RICHARDS, Donald George	\$2.00	\$2244' of S] Subj. to easement in #6546 and #38706 Subj. to easement #75380 Ex. Pts. 44,45,46 on 10R-134 AND EX Pt. 1 on RD#8
	PLAN 10R-3550	89 11 29				Part-Part 1 "Inst 6892"
156287	Transfer	89 11 30	SCHUDEBOOM, Cornelis Dirk SCHUDEBOOM, Sheila Margaret	City 2 Holding Inc.	\$397,000.00	Part-Part 1 10R-3550
DELETED UNDER D506645 R. B. H. ADL						
156288	Charge	89 11 30	City 2 Holding Inc.	JEWELL, William	\$200,000.00	Part-Part 1 10R-3550
DELETED UNDER D408629 DL						
156289	Charge	89 11 30	City 2 Holding Inc.	SCHUDEBOOM, Cornelis Dirk SCHUDEBOOM, Sheila Margaret Int Acct Re Surv	\$100,000.00	Part-Part 1 10R-3550
164568	Transfer	91 03 25	HUBER, Robert HUBER, Lydia Joy	HUBER, Robert		Part as des'd in No. 131069
DELETED UNDER D449860 B. A. D. R.						
164569	Charge	91 03 25	HUBER, Robert	Oshawa Community Credit Union Limited	\$145,000.00	Part as des'd in 131069
D 396860	Notice	91 09 18		Transcanada Pipelines Limited		Re: 6546 and N. 38706.. Part III Registry Act
D 417666	Transfer	93 08 26	LOUWS, Adrian John	LOUWS, Maria	\$150,000.00	Part as des'd in 125818
DELETED UNDER D529230 R. B. H. ADL						
D 420974	Charge	93 10 29	LOUWS, Maria	CIBC Mortgage Corporation	\$105,000.00	Part as des'd in D 417666

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LOT

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CONCESSION

4

Darlington

REGISTRATION NUMBER	INSTRUMENT	REGISTRATION DATE DAY MONTH YEAR	GRANTOR	GRANTEE	CONSIDERATION ETC.	LAND AND REMARKS
X D 430114	Transfer	94 03 31	WILLOUGHBY, David Ernest WILLOUGHBY, Joanne Margaret	HAYBALL, Vicki Lynn	\$168,000.00	Part - as des'd in 127429
DELETED UNDER D 430115	Charge	94 03 31	HAYBALL, Vicki Lynn	Scotia Mortgage Corporation	\$63,000.00	Part - as des'd in D 430114
DELETED UNDER D 430775	Charge	94 04 15	HAYBALL, Vicki Lynn	HAYBALL, William Frank	\$128,552.51	Part - as des'd in D 430114
DELETED UNDER D 449553	Charge	95 03 31	HUBER, Robert	Oshawa Community Credit Union - Ltd -	\$150,000.00	Part - as des'd in 131053
D 461035	Transfer	95 11 01	HUBER, Robert	BEYORE, Michel Joseph BEYORE, Janice Catherine as JT	\$186,500.00	Part - as des'd in 131069
D 461036	Charge	95 11 01	BEYORE, Michel Joseph BEYORE, Janice Catherine	Scotia Mortgage Corp.	\$164,512.50	Part - as des'd in D 461035
D 467337	Charge	96 03 15	BEYORE, Michel Joseph BEYORE, Janice Catherine	Primerica Life Insurance Co. of Canada	\$11,274.99	Part - as des'd in D 461035
D 468428	Transfer	96 04 10	LOUWS, Maria	LOUWS, Adrian John	\$100,000.00	Part - as des'd in D 417666
D 468906	Transfer	96 04 18	Ultramar Canada Inc.	Sunoco Inc.	\$158,746.00	Part - as des'd in 148573
D 506646	Transfer	97 12 05	City 2 Holding Inc.	MCCORMICK, Bernard Mark DOYLE, Marjorie Catherine as JT	\$178,500.00	Part - Part 1 on 10R-3550
D 506647	Charge	97 12 05	MCCORMICK, Bernard Mark DOYLE, Marjorie Catherine	The Toronto-Dominion Bank	\$164,66.25	Part - Part 1 on 10R-3550

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