Phase One Environmental Site Assessment

81 Consecon Main Street
Consecon, Ontario

Prepared for:

The Corporation of the County of Prince Edward

332 Picton Main Street
Picton, ON K0K 2T0

Attn: Ms. Grace Nyman
Community Development Coordinator

August 4, 2017

Pinchin File: 205037

MEMBER OF
THE PINCHIN GROUP

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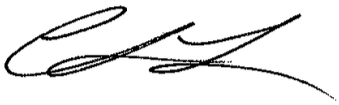

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1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by the Ms. Grace Nyman, Community Development Coordinator for The Corporation of the County of Prince Edward (Client), to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 81 Consecon Main Street, Consecon, Ontario (hereafter referred to as the Site or Phase One Property). The Phase One Property is presently developed with a single-storey industrial building (the Site Building).

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 333/13 on December 13, 2013 (O. Reg. 153/04). The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the potential future sale and redevelopment of the Phase One Property. It is Pinchin's understanding that the Phase One Property will be sold and potentially redeveloped from its current community land use to a more sensitive land use (i.e., residential land use). Given that this would constitute a change to a more sensitive land use, the filing of a Record of Site Condition (RSC) for the Phase One Property with the Ontario Ministry of the Environment and Climate Change (MOECC, formerly the Ontario Ministry of the Environment) is a mandatory requirement of O. Reg. 153/04. As such, this Phase One ESA report has been prepared in accordance with O. Reg. 153/04 to support the filing of an RSC for the Phase One Property.

The scope of work for this Phase One ESA was consistent with O. Reg. 153/04 in support of filing an RSC and was comprised of the following:

- A Records Review: Reviewed available current and historical information sources pertaining to the Phase One Property and Phase One Study Area including the use of, but not limited to, aerial photographs, Fire Insurance Plans (FIPs) and chain of title search results. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exists, including searches of the MOECC's Freedom of Information and water well records, and the Technical Standards and Safety Authority records;
- Interviews: Conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;

- Site Reconnaissance: Completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of potentially contaminating activities (PCAs);
- Evaluation: Evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Prepared a Phase One ESA report; and
- Submission: Submitted the Phase One ESA report to the Client.

The Phase One Property consists of one legal lot (Lot 167) situated at the municipal address of 81 Consecon Main Street, Consecon, Ontario, which is currently owned by the Township of Hillier. The Phase One Property is located on the west side of Consecon Main Street, approximately 60 metres (m) north of Porter Street, in Consecon. The following table provides a summary of the current and past land uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Pre-1797.	Crown.	The Phase One Property undeveloped.	Agricultural or other use.	According to interviews, aerial photographs and records review (title search documents) the Phase One Property was undeveloped until the early 1800s when the site was developed for residential land use.
1797-1815.	William Marsh.			
1816-1818.	Mathias Marsh.			
1818-1865.	Archibald Marsh.	The Phase One Property was developed for residential purposes.	Residential use.	
1865-1867.	John Byers.			
1867-1874.	William Graham.			
1874-1876.	William Henderson.			
1876-1878.	George D. Wells.			
1878-1902.	William A Huyoke.			According to the

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1902-1906.	John Chan.			1892 FIP the west and central portions of the Phase One Property appeared to be developed with a residential dwelling and a carport, neither of which were similar in size and configuration to the present-day Site Building.
1906-1908.	Frederick S. Weeks.			According to interviews, aerial photographs and records review (title search documents, city directories and aerial photographs) the Phase One Property was used for residential purposes.
1908-1910.	David Alexander.			
May 1910-August 1910.	James M. McConkey.			
August 1910-1915.	Hugh Baxter.			
1915-1922.	Elias Clark.			
1922-1924.	Loretta Snider.			
1914-1934.	Lela Moreland (Lela Durant).			
1934-1962.	Charlotte Vanwart.			According to aerial photographs one building was evident on the west portion of the Phase One Property. The building was different in size and configuration to the present-day Site Building.
1962-1964.	William and Isabella Vanwart.		Agricultural or other use.	Based on aerial photographs, the

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1964-1968.	Edward Vienstra.			Phase One Property consists of vacant undeveloped land. Two areas of disturbance were evident on the west portion of the Site. It should be noted that the building that was previously evident on the west portion of the Site has since been demolished.
1968.	County of Prince Edward (Edward Vienstra defaulted in taxes).			
1968-1980.	Township of Hillier.	Vacant.	Agricultural or other use.	
1980-present	Township of Hillier.	Fire Hall and vacant.	Industrial use.	Based on aerial photographs, records reviews, site inspection and interviews, a building that was similar in size and configuration to the present-day Site Building was evident on the Site.

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of two former on-Site buildings in the early 1800s. In summary, the Phase One Property was owned by various individuals from as early as 1797. The usage of the Phase One Property at this time is unknown, and it is assumed that it was undeveloped until approximately the early 1800s when the property was developed as residential. The two buildings formerly present on the Phase One Property appeared to have been demolished prior to 1962 based on Pinchin's review of the aerial photographs. The property remained vacant until 1980 when the present-day Site Building was constructed. The Site Building was utilized by the Town of Consecon as a Fire Hall from 1980 until 2015 and the Site has reportedly been vacant since 2015.

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is approximately the 1800s, with the construction of two buildings on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, a title search, and a FIP, which were available for the Phase One Property. No other historical records were

available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

Based on the findings of this Phase One ESA, Pinchin identified two PCAs at the Phase One Property (i.e., on-Site) and three PCAs within the Phase One Study Area outside of the Phase One Property (i.e., off-Site) that result in APECs. The following table summarizes all Areas of Potential Environmental Concern (APECs) identified during the Phase One ESA, as well as their respective PCAs, contaminants of potential concern (COPCs) and the media which could potentially be impacted:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC #1 (Poor-quality Fill Material)	Central and west portions of the Phase One Property	Item 30 – Importation of Fill Material of Unknown Quality	On-Site	Metals BTEX PHCs PAHs	Soil and Groundwater
APEC #2 (Fire Retardant Bulk Storage)	Central portion of the Phase One Property	Item 23 – Fire Retardant Manufacturing, Processing and Bulk Storage	On-Site	VOCs Metals	Soil and Groundwater
APEC #3 (South adjacent historical automotive repair facility and petroleum aboveground storage tanks (ASTs))	South central portion of the Phase One Property.	Item 27 – Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Item 28 – Gasoline and Associated Products Storage in Fixed Tanks Vehicles	Off-Site	VOCs PHCs PAHs Metals	Soil and Groundwater

The COPCs associated with each APEC were determined based on several sources of information including, but not limited to, Pinchin's experience with environmental contamination and hazardous substances, common industry standards for analysis of such contaminants and point sources, literature

reviews of COPCs and associated hazardous substances, and evaluations of contaminant mobility and susceptibility for migration in the subsurface.

Of the off-Site PCAs, four are not considered to result in APECs at the Phase One Property given their distance from the Phase One Property and/or their hydraulic downgradient or transgradient location with respect to the inferred groundwater flow direction at the Phase One Property. The remaining three off-Site PCAs and the two on-Site PCAs represent a total of three APECs at the Phase One Property. It is Pinchin's opinion that these PCAs may have resulted in contamination of soil and groundwater at the Phase One Property and, as such, represent APECs at the Phase One Property that warrant further investigation prior to the submittal of an RSC.

Pinchin recommends that a Phase Two ESA, defined as an "assessment of property conducted in accordance with the regulations by or under the supervision of a qualified person to determine the location and concentration of one or more contaminants in the land or water on, in or under the property", be conducted at the Phase One Property. Pinchin concludes that one or more contaminants originating from PCAs located on the Phase One Property and within the Phase One Study Area outside of the Phase One Property may have affected land or water on, in, or under the Phase One Property. Therefore, Pinchin recommends that a Phase Two ESA be conducted prior to filing an RSC for the Phase One Property.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

This report has been issued without having received responses from the Ontario Ministry of the Environment and Climate Change or the Technical Standards & Safety Authority. Once responses from these regulatory bodies are received, the information will be reviewed by Pinchin and, if there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information.

2.0 INTRODUCTION

A Phase One ESA is defined as a systematic qualitative process to determine whether a particular property is, or may be subject to, actual or potential contamination. Under the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* (EPA) and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 333/13 on December 13, 2013 (O. Reg. 153/04), the purpose of a Phase One ESA is two-fold:

- To obtain and review records that relate to the Phase One Property, and to the current and past uses of and activities at or affecting the Phase One Property, in order to determine if an area of potential environmental concern (APEC) exists and to interpret any APEC; and

- To obtain and review records that relate to properties in the Phase One Study Area, other than the Phase One Property, in order to determine if a potentially contaminating activity (PCA) exists and interpret whether any such PCA represents on APEC for the Phase One Property.

This Phase One ESA was conducted at the request of the Client for the potential future sale and redevelopment of the Phase One Property. It is Pinchin's understanding that the Phase One Property will be sold and potentially redeveloped from its current industrial land use to a more sensitive land use (i.e., residential land use). Given that this would constitute a change to a more sensitive land use, the filing of a Record of Site Condition (RSC) for the Phase One Property with the Ontario Ministry of the Environment and Climate Change (MOECC, formerly the Ontario Ministry of the Environment) is a mandatory requirement of O. Reg. 153/04. As such, this Phase One ESA report has been prepared in accordance with O. Reg. 153/04 to support the filing of an RSC for the Phase One Property.

2.1 Phase One Property Information

The Phase One Property consists of one legal lot (Lot 167) situated at the municipal address 81 Consecon Main Street, Consecon, Ontario which is currently owned by The Township of Hillier. The Phase One Property is located on the west side of Consecon Main Street, approximately 60 metres (m) north of Porter Street, as shown on Figure 1 (all Figures are provided in Appendix A and all appendices are provided in Section 10.0). A plan showing the Phase One Property is provided as Figure 2, and the Phase One Study Area for which this Phase One ESA applies to is outlined on Figure 3. Photographs of the Phase One Property and surrounding properties are presented in Appendix B. A current legal survey of the Phase One Property is included in Appendix C.

Pertinent details of the Phase One Property are provided in the following table:

Detail	Source / Reference	Information
Legal Description	Legal Survey Drawing provided by the Client	Lots 167 of Registered Plan 3, Consecon, Township of Hillier, The Municipality of the County of Prince Edward
Municipal Address	Client	81 Consecon Main Street, Consecon, Ontario
Parcel Identification Number (PIN)	Legal Survey Drawing provided by the Client	55021-0102 (LT)
Current Owner	Client	Township of Hillier.

Detail	Source / Reference	Information
Owner and Client Contact Information	Client	Ms. Grace Nyman, Community Development Coordinator for The County of Prince Edward 332 Picton Main Street Picton, ON K0K 2T0 Phone: 1-613-476-2148 gnyman@pecounty.on.ca
Current Occupant	Client	Vacant
Client	Authorization to Proceed Form for Pinchin Proposal	The Corporation of the County of Prince Edward
Client Contact Information	Authorization to Proceed Form for Pinchin Proposal	Ms. Grace Nyman, Community Development Coordinator for The Corporation of the County of Prince Edward 332 Picton Main Street Picton, ON K0K 2T0 Phone: 1-613-476-2148 gnyman@pecounty.on.ca
Site Area	Client	1,108 m^2 (0.274 acres)
Current Zoning	Client	Community Zone
Centroid UTM Co-ordinates	Garmin eTrex LEGEND HCx, NAD 83, Accuracy +- 3 m	297892.07 Easting
		4874321.42 Northing
		Zone 18T

3.0 SCOPE OF INVESTIGATION

Pinchin conducted this Phase One ESA in accordance with O. Reg. 153/04, in particular Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work was comprised of the following:

- A Records Review: Pinchin reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, Fire Insurance Plans (FIPs) and chain of title search results, available Site operating

records, a regulatory data base search and MOECC water well records. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exist, including the MOECC's Freedom of Information (FOI) and Protection of Privacy Office and the Technical Standards and Safety Authority (TSSA);

- Interviews: Pinchin conducted interviews with a Site Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- Site Reconnaissance: Pinchin completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern;
- Evaluation: Pinchin evaluated the information gathered from the records review, interviews and Site reconnaissance;
- Reporting: Pinchin prepared a Phase One ESA report summarizing the findings of the Phase One ESA; and
- Submission: Pinchin submitted the Phase One ESA report to the Client.

4.0 RECORDS REVIEW

4.1 General

A Phase One ESA does not include sampling or testing of environmental media or building materials. The study period for this assessment was from May 10, 2017 to August 1, 2017, which included the records review, Site reconnaissance, interviews and reporting. A Site reconnaissance was completed on May 10, 2017, by a Pinchin representative under the direct supervision of a Qualified Person (QP). During the Site reconnaissance, Pinchin accessed all areas of the Phase One Property with the exception of the roof of the Site Building. Pinchin did not access any areas within the surrounding Phase One Study Area with the exception of publicly-accessible roads and sidewalks. Select photographs taken during the Site reconnaissance of the Phase One Property and the surrounding properties within the Phase One Study Area are presented in Appendix B.

4.1.1 Phase One Study Area Determination

Based on a review of the available historical information and observations made during the Site reconnaissance for the properties greater than 250 metres (m), but less than 500 m, from the Phase One

Property boundary, Pinchin did not note or observe any significant potentially contaminating properties that should be included as part of this assessment (e.g., landfills, large industrial manufacturers, etc.). As such, the Phase One Study Area consisted of the Phase One Property, as well as all properties situated wholly, or partly, within 250 m from the nearest point of a boundary of the Phase One Property, in order to meet the minimum requirements set forth in O. Reg. 153/04. A map of the Phase One Study Area and the surrounding land use is presented in Figure 3.

4.1.2 First Developed Use Determination

The first developed land use of the Phase One Property is defined by O. Reg. 153/04 to be:

- The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
- The first potentially contaminating use or activity on the Phase One Property.

A review of the chain of title search results determined that the Phase One Property was owned by various landowners between 1797 and 1968, at which time the property owner defaulted in their taxes and the County of Prince Edward took ownership and subsequently sold the Phase One Property to the Township of Hillier. Based on Pinchin's review of the aerial photographs, a review of an FIP and Pinchin's Site reconnaissance, it is Pinchin's opinion that the first developed use of the Phase One Property was in the 1800s.

To the best of Pinchin's knowledge, no building or structure had been constructed on the Phase One Property prior to the 1800s. Based on Pinchin's review of an 1892 FIP (revised 1904), an inferred residential dwelling was evident on the west portion of the Phase One Property and a carport was located on the central portion of the Phase One Property.

The date of the first developed use of the Phase One Property was determined through a review of a chain of title search and an 1892 FIP. No other information was reviewed by Pinchin during the records review, or obtained during the Site reconnaissance or interviews which would have resulted in a different interpretation of the date of first developed use of the Phase One Property.

4.1.3 Fire Insurance Plans

Pinchin contacted Opta Information Intelligence (Opta) to obtain copies of FIPs related to the Phase One Property and the Phase One Study Area. Opta provided Pinchin with an FIP dated 1892 (revised 1904) for the area including the Phase One Property.

The Opta response and a copy of the FIP is provided in Appendix D.

Based on Pinchin's review of the 1892 FIP, the following was noted:

- The Phase One Property had the municipal addresses 256, 260 and 268 Water Street (present-day Division Boulevard);
- The west and central portions of the Phase One Property appeared to be developed with a residential dwelling and a carport, neither of which were similar in size and configuration to the present-day Site Building;
- The properties located north of the Site were developed with several residential dwellings; however, a paint shop was located approximately 40 m north of the Phase One Property. This property is situated hydraulically transgradient in relation to the inferred direction of groundwater flow from the Site. Based on the distance between this property and the Phase One Property, as well as the inferred direction of groundwater flow, it is Pinchin's opinion that this PCA does not represent an APEC for the Phase One Property;
- The properties located south of the Site consisted primarily of residential dwellings, with the exception of a carpentry shop located approximately 30 m south of the Site and a hotel that was located approximately 80 m south of the Site;
- Water Street (present-day Division Boulevard) was located adjacent to the west elevation of the Site and was followed by a river; and
- The properties located east of the Site were developed with several residential dwellings; however, it should be noted that properties located beyond 40 m east of the Site were not covered by the FIP.

Based on Pinchin's review of the information provided in the 1892 FIP, the following PCA was identified:

- The west and central portion of the Phase One Property was developed with two buildings, which have since been demolished. Based on the above-noted information, it is Pinchin's opinion that there is the potential for fill material of an unknown quality to be present on the west and central portions of the Site as a result of the previous demolition activities.

4.1.4 Chain of Title

Pinchin retained EcoLog Environmental Risk Information Service Ltd. (ERIS) to complete a chain of title search for the Phase One Property. The chain of title search was completed from the earliest record of land ownership for the Phase One Property (i.e., patent) to the present to determine if ownership information would infer any PCAs or potential APECs at the Phase One Property that should be evaluated.

A summary of information obtained from the chain of title search with respect to the Phase One Property is provided in the following table:

Year(s)	Ownership Listing
Pre-1797.	Crown.
1797-1815.	William Marsh.
1816-1818.	Mathias Marsh.
1818-1865.	Archibald Marsh.
1865-1867.	John Byers.
1867-1874.	William Graham.
1874-1876.	William Henderson.
1876-1878.	George D. Wells.
1878-1902.	William A Huyoke.
1902-1906.	John Chan.
1906-1908.	Frederick S. Weeks.
1908-1910.	David Alexander.
May 1910-August 1910.	James M. McConkey.
August 1910-1915.	Hugh Baxter.
1915-1922.	Elias Clark.
1922-1924.	Loretta Snider.
1914-1934.	Lela Moreland (Lela Durant).
1934-1962.	Charlotte Vanwart.
1962-1964.	William and Isabella Vanwart.
1964-1968.	Edward Vienstra.
1968.	County of Prince Edward (Edward Vienstra defaulted in taxes).
1968-present.	Township of Hillier.

Based on Pinchin's review of the above-noted title search, the following was identified with respect to the previous ownership that could result in potential subsurface impacts at the Site:

- The Township of Hillier utilized the Phase One Property as a Fire Hall from approximately 1980 to 2010. Based on the nature of the former on-Site operations (i.e., fire retardant storage), it is Pinchin's opinion that there is a potential for subsurface impacts at the Phase One Property.

It should be noted that based on the size of the Phase One Property and the nature of the immediately surrounding properties (i.e., residential), it is Pinchin's opinion that fire training activities were unlikely completed at the Phase One Property.

The chain of title search results are provided in Appendix E. No chain of title search was conducted for the other properties located within the Phase One Study Area. A Plan of Survey illustrating the Phase One Property boundaries is provided in Appendix C.

4.1.5 Environmental Reports

The Client informed Pinchin that no previous environmental reports were available for the Phase One Property or for adjacent properties within the Phase One Study Area. None of the other information sources accessed by Pinchin had previous environmental reports for the Phase One Property or adjacent properties within the Phase One Study Area available for review.

4.2 Environmental Source Information

Pinchin reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

4.2.1 Environmental Database Search – EcoLog ERIS

Pinchin retained EcoLog ERIS to search all available federal, provincial and private source databases for information pertaining to the Phase One Study Area. A copy of the EcoLog ERIS report is provided in Appendix F and the results of the database search are described in the following subsections.

4.2.1.1 National Pollutant Release Inventory

EcoLog ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted.

Pinchin reviewed the EcoLog ERIS report for NPRI information and found no records regarding the Phase One Study Area or the Phase One Property.

4.2.1.2 Ontario Inventory of Polychlorinated Biphenyls (PBCs) Storage Sites

The MOECC's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MOECC. This database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory.

EcoLog ERIS completed a search of the Ontario Inventory of PCB Storage Sites for information regarding PCB storage and found no information regarding the Phase One Study Area or the Phase One Property.

4.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries.

EcoLog ERIS completed a search of the National PCB Inventory and found no information regarding the Phase One Study Area or the Phase One Property.

4.2.1.4 Certificates of Approval

EcoLog ERIS completed a search of the MOECC database for information regarding Certificates of Approval (Cs-of-A). The MOECC maintains a database of approved Cs-of-A for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. Prior to November 1, 2011, the MOECC mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or disposed of waste, must have a C-of-A before it could operate lawfully. The MOECC no longer issues Cs-of-A, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011.

The EcoLog ERIS search of the C-of-A database identified no Cs-of-A for the Phase One Property and three Cs-of-A for other properties within the Phase One Study Area. Two of these Cs-of-A were for sewage works and municipal water works. It should be noted that the property located at 3 Store Street was registered for a Cs-of-A for industrial wastewater in 1996. In addition, this property was registered for a spill involving 908 litres of heating oil. This property is located approximately 125 m west of the Site and is situated hydraulically downgradient in relation to the inferred direction of groundwater flow from the Site. Based on the distance between this property and the Phase One Property, as well as the inferred

direction of groundwater flow, it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Phase One Property. Furthermore, Pinchin does not consider the activities related to Cs-of-A at other properties within the Phase One Study Area to represent an environmental concern to the Phase One Property.

4.2.1.5 Environmental Compliance Approvals, Permits To Take Water and Certificates of Property Use

EcoLog ERIS completed a search of the MOECC database for information regarding ECAs, permits including Permits To Take Water (PTTWs) and Certificates of Property Use (CPUs). Details regarding these databases are provided in the EcoLog ERIS report in Appendix F.

The EcoLog ERIS database search identified no information regarding ECAs, PTTWs or CPUs for the Phase One Study Area or the Phase One Property.

4.2.1.6 Inventory of Coal Gasification Plants

EcoLog ERIS searched the following publications prepared for the MOECC by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- "*Inventory of Coal Gasification Plant Waste Sites in Ontario*", dated April 1987; and
- "*Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*", dated November 1988.

The EcoLog ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Study Area.

4.2.1.7 Environmental Incidents, Orders, Offences and Spills

EcoLog ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix F.

The EcoLog ERIS database search of records of environmental incidents, orders, offences or spills revealed the following for the Phase One Study Area:

- No records were found of environmental incidents, orders, offences or spills for the Phase One Property; and

- No records were found of environmental incidents, orders, offences or spills for other properties within the Phase One Study Area, except for the following:
  - The Ontario Spills database indicated that on July 10, 2009, an unknown amount of molasses was spilled at 9 Division Boulevard. This property is located approximately 60 m west of the Phase One Property and is situated hydraulically downgradient in relation to the inferred direction of groundwater flow from the Site. Based on the nature of the spill (i.e., molasses), the receiving medium (i.e., river), the distance between the spill and the Phase One Property and the inferred direction of groundwater flow, it is Pinchin's opinion that this historical spill is unlikely to result in potential subsurface impacts at the Site.

4.2.1.8 Waste Management Records

Waste Generators

EcoLog ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 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. The database search results provide a summary of available waste generation information for the registered sites for all years from 1986 to the present.

The EcoLog ERIS search of the O. Reg. 347 Waste Generators database found no information regarding the Phase One Study Area or the Phase One Property.

Waste Receivers

EcoLog ERIS completed a search of the O. Reg. 347 Waste Receivers database for information regarding waste receivers. O. Reg. 347 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 contains 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.

The EcoLog ERIS search of the O. Reg. 347 Waste Receivers database found no information regarding the Phase One Study Area or the Phase One Property.

4.2.1.9 Fuel Storage Tanks

EcoLog ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix F.

The EcoLog ERIS search of the chemical or fuel storage tank databases found no information regarding the Phase One Study Area or the Phase One Property.

4.2.1.10 Notices and Instruments

EcoLog ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. EcoLog ERIS also searched the Record of Site Condition database for filed RSCs.

The EcoLog ERIS search of the Environmental Registry and Record of Site Condition database found no information regarding the Phase One Study Area or the Phase One Property.

4.2.1.11 Areas of Natural Significance

EcoLog ERIS reviewed available databases and records to assess whether any parks, wetlands, conservation areas, or other areas of natural significance, are located within the Phase One Study Area. The Area of Natural & Scientific Interest map included in the EcoLog ERIS report in Appendix F did not identify any areas of natural significance within the Phase One Study Area.

4.2.1.12 Landfill Information

EcoLog ERIS reviewed available private and provincial databases for records of any current or inactive landfills and waste disposal sites within the Phase One Study Area. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix F.

The EcoLog ERIS search of the landfill and wasted disposal sites databases found no information regarding the Phase One Study Area.

4.2.1.13 Other EcoLog ERIS Databases

The EcoLog ERIS database search of the Environmental Registry and TSSA Incidents identified the following additional information for the Phase One Study Area:

- The property located at 9 Division Boulevard was listed within the Environmental Registry for "*Approval for Sewage Works*" on July 19, 2011. This property is located approximately 125 m west of the Phase One property, and is situated hydraulically downgradient in relation to the inferred direction of groundwater flow from the Phase One Property. Based

on the distance between this property and the Phase One Property, as well as the inferred direction of groundwater flow, it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Site; and

- On September 6, 2009, an unknown amount of heating oil was spilled at 51 Consecon Main Street. This property is located approximately 155 m south of the Phase One Property. Based on the distance between this property and the Site, it is Pinchin's opinion that this property is unlikely to result in potential subsurface impacts at the Site.

4.2.2 Ministry of the Environment and Climate Change Freedom of Information Search

The MOECC Freedom of Information and Protection of Privacy Office in Toronto, Ontario, was contacted to determine if records exist for environmental matters such as orders, spills, previous investigations, prosecutions, registered PCB waste storage sites, waste generators, waste receivers, Cs-of-A and ECAs associated with the Phase One Property and properties adjacent to the Phase One Property.

At the time of writing this report, no response had been received from the MOECC. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information.

A copy of the MOECC request is provided in Appendix G.

4.2.3 Technical Standards and Safety Authority Search

The TSSA is the regulatory body that governs the safe handling and storage of fuel in Ontario. All storage of gasoline, diesel and fuel oil is subject to the Technical Standards and Safety Act. The Technical Standards and Safety Act and its relevant documents and regulations (e.g., *Liquid Fuels Handling Code*; *Ontario Regulation 213/01 – Fuel Oil*; *Ontario Regulation 217/01 – Liquid Fuels*) require that all fuel storage devices such as aboveground storage tanks (ASTs) and underground storage tanks (USTs) be registered with the TSSA.

Pinchin contacted the TSSA to determine whether any ASTs or USTs are, or were, registered for the Phase One Property, and to determine whether any records of regulatory non-compliance exist. At the time of writing this report, no response regarding the archival search had been received from the TSSA. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information.

A copy of Pinchin's request submitted to the TSSA is provided in Appendix H of this report.

4.2.4 Property Underwriters' Reports and Plans

Property Underwriters' Reports (PURs) provide detailed information on a site-specific basis, including descriptions of building construction, heating sources, production processes, and the presence of any hazardous chemicals or materials which may have been historically stored on the Phase One Property. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers and storage tanks. Information provided on Property Underwriters' Plans (PUPs) includes the location, capacity, and contents of ASTs, USTs, chemical storage and other forms of environmental hazards.

Pinchin contacted Opta to obtain copies of PURs and PUPs related to the Phase One Property. Opta provided a written response indicating there were no PURs or PUPs on-file for the Site.

4.2.5 City Directories

It should be noted that no city directories were available for the Town of Consecon at the Library and Archives of Canada in Ottawa, Ontario.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Pinchin reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Copies of aerial photographs dated 1949, 1962, 1976, 1986 and 1995 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. The 1949 aerial photograph was the earliest available aerial photograph of the Phase One Study Area. In addition, Pinchin reviewed Google Earth™ satellite imagery dated 2009 and 2016.

Efforts were made by Pinchin to obtain aerial photographs that:

- Illustrated the period between initial development of the Phase One Property to the present;
- Identified buildings and structures present on the Phase One Property since initial development;
- Identified PCAs within the Phase One Study Area; and
- Identified APECs on the Phase One Property.

It should be noted that accurate details could not be determined from the some of the aerial photographs due to the large reference scale and the low resolution of the photographs.

A summary of information obtained with respect to the Phase One Property from a review of the available aerial photography is provided in the following table:

Year of Photograph	Phase One Property
1949.	One building was evident on the west portion of the Phase One Property, which was different in size and configuration to the present-day Site Building.
1962 and 1976.	The Phase One Property consisted of vacant undeveloped land. Two areas of disturbance were evident on the west portion of the Site. It should be noted that the building that was previously evident on the west portion of the Site had been demolished.
1986, 1995, 2009 and 2016.	A building that was similar in size and configuration to the present-day Site Building was evident on the Site.

A summary of information obtained with respect to the surrounding properties within the Phase One Study Area is provided in the following table:

Year of Photograph	North	East	South	West
1949.	Vacant undeveloped land and several residential dwellings followed by the intersection of Division Street and Consecon Main Street, similar to the current configuration.	Consecon Main Street followed by several residential dwellings and vacant undeveloped land, similar to the current configuration.	Residential dwellings followed by Porter Street and additional residential dwellings.	Division Boulevard followed by vacant undeveloped land, an unnamed river and several residential dwellings and commercial buildings, similar to the current configuration.
1962 and 1976.	Similar to 1949.		Residential dwellings followed by Porter Street, additional residential dwellings and two areas of disturbance (possibly recreational fields).	Similar to 1949.

Year of Photograph	North	East	South	West
1986, 1995, 2009 and 2016.	Similar to 1949, 1962 and 1976.		A commercial building followed by several residential dwellings, Porter Street and additional residential dwellings, similar to the current configuration.	Similar to 1949, 1962 and 1976.

Based on the aerial photographs reviewed for the Phase One Property and the surrounding area, it appears that the Phase One Property was developed prior to 1949.

The aerial photograph review did not identify any PCAs within the Phase One Study Area; however, the aerial photograph review identified the following APEC on the Phase One Property:

- A residential dwelling appeared to be located on the west portion of the Phase One Property in the 1949 aerial photograph. Based on the above-noted information, it is Pinchin's opinion that there is the potential for fill material of an unknown quality to be present on the west portion of the Site as a result of the previous demolition activities.

Copies of the aerial photographs of the Phase One Property and surrounding area are provided in Appendix I.

4.3.2 Topography, Hydrology and Geology

The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 80 m above mean sea level (mamsl). The general topography in the local and surrounding area is generally flat with a slight grade downwards in elevation west towards the river. No bedrock outcrops were observed on-Site or in the surrounding area. Based on data from the Ontario MOECC well records database, the overburden thickness on-Site (i.e., depth to bedrock) is approximately 0.9 to 1.5 m below ground surface (mbgs).

In addition, based on data from a soil survey completed for Prince Edward County in 1948 obtained from the Government of Canada's website http://sis.agr.gc.ca/cansis/publications/surveys/on/on10/index.html), subsurface soils at the Phase One Property are comprised of soils from the Ameliasburgh Series, which consists of clay loam and loam type soils. In addition, the surrounding properties located within the Phase One Study Area predominantly consist of soils consisting of the Ameliasburgh Series and Marsh Series. The Marsh Series consists of soils found in shallow water underlain by partially decomposed organic

material. Based on data from the MOECC well records database, bedrock at the Site is expected to consist of shale and limestone at an elevation of 77 mamsl. The local topography is considered to be mainly flat to rolling low local relief.

Based on general hydrogeological principles and Pinchin's familiarity with subsurface conditions at and near the Phase One Property and the surrounding properties within the Phase One Study Area, the unconfined groundwater beneath the Phase One Property is expected to flow west-northwest. An unnamed river connecting Consecon Lake and Weller's Bay (Lake Ontario) is located approximately 20 m west of the Phase One Property at an elevation of approximately 78 mamsl. Consecon Lake is located approximately 2.3 kilometres (km) east of the Phase One Property and Weller's Bay is located approximately 430 m northwest of the Phase One Property.

Copies of pertinent maps, illustrating local topographical, hydrogeological and drainage features are provided in Appendix J.

4.3.3 Fill Materials

Based on observations during the Site reconnaissance, regrading and minor fill placement at the Phase One Property may have occurred during initial development activities in the 1800s to construct the former on-Site buildings, prepare parking and access, and to establish drainage patterns. No areas with disturbed soil or buried debris were noted during the Site reconnaissance. Based on the Pinchin's historical review (i.e., FIP and aerial photographs), two buildings were historically located on the west and central portions of the Phase One Property. Based on the above-noted information, it is Pinchin's opinion that there is the potential for fill material of an unknown quality to be present on these portions of the Site as a result of the previous demolition activities.

4.3.4 Water Bodies and Areas of Natural Significance

No water bodies were identified on the Phase One Property or on surrounding properties within the Phase One Study Area, with the following exceptions:

- An unnamed river connecting Consecon Lake and Weller's Bay (Lake Ontario) is located approximately 20 m west of the Phase One Property at an elevation of approximately 78 mamsl. Consecon Lake is located approximately 2.3 km east of the Phase One Property and Weller's Bay is located approximately 430 m northwest of the Phase One Property.

A review of the Area of Natural & Scientific Interest map prepared by EcoLog ERIS (see Appendix F) did not identify any parks, wetlands, conservation areas, or other areas of natural significance, within the Phase One Study Area.

4.3.5 Well Records

A search of the Water Well Information System database by EcoLog ERIS identified no water well records for the Phase One Property and 43 water well records within the Phase One Study Area. A summary of pertinent information obtained with respect to the wells is provided in the following table:

MOECC Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
5304540 (WWIS-1)	Approximately 80 m southeast of the Phase One Property.	Brown Topsoil (0-0.3 mbgs) Grey Shale (0.6-0.9 mbgs)	3.0 mbgs	12.0 mbgs
5301372 (WWIS-2)	Approximately 85 m east of the Phase One Property.	Clay (0-0.9 mbgs) Medium sand with boulders (1.5-8.2 mbgs)	8.2 mbgs	Not indicated
5301374 (WWIS-4)	Approximately 100 m east of the Phase One Property.	Clay and Gravel (0-1.2 mbgs)	1.2 mbgs	13.0 mbgs
5302915 (WWIS-5)	Approximately 105 m northwest of the Phase One Property.	Brown Clay and Gravel (0-1.5 mbgs)	1.5 mbgs	10 .0mbgs
5304229 (WWIS-6)	Approximately 110 m south of the Phase One Property.	Brown Topsoil (0.3-0.6 mbgs) Brown Clay (0.6-1.2 mbgs) Grey Shale (1.2-2.1 mbgs)	2.1 mbgs	6.0 mbgs
5300543 (WWIS-7)	Approximately 130 m northwest of the Phase One Property.	Limestone at surface	0 mbgs	Not available.
5300536 (WWIS-8)	Approximately 125 m northwest of the Phase One Property.	Clay and Gravel (0-1.2 mbgs)	1.2 mbgs	7.6 mbgs
5300547 (WWIS-9)	Approximately 130 m northwest of the Phase One Property.	Clay and Gravel (0-1.5 mbgs)	1.5 mbgs	16.7 mbgs

MOECC Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
5301427 (WWIS-10)	Approximately 135 m south of the Phase One Property.	Clay and Gravel (0-1.5 mbgs)	1.5 mbgs	Not available.
5300541 (WWIS-11)	Approximately 140 m northwest of the Phase One Property.	Clay and Gravel (0-1.8 mbgs)	1.8 mbgs	Not available.
5301379 (WWIS-12)	Approximately 140 m west of the Phase One Property.	Clay and Gravel (0-0.9 mbgs)	0.9 mbgs	13.0 mbgs
5304141 (WWIS-13)	Approximately 145 m north of the Phase One Property.	Brown Clay (0-0.6 mbgs)	0.6 mbgs	14.0 mbgs
5304140 (WWIS-14)	Approximately 145 m north of the Phase One Property.	Brown Clay (0-0.9 mbgs) Grey Shale (0.9-1.8 mbgs)	1.8 mbgs	Not available.
7176048 (WWIS-15)	Approximately 150 m south of the Phase One Property.	Brown Clay (0-0.6 mbgs) Gravel (0.6-0.9 mbgs)	0.6 mbgs	Not available.
5302013 (WWIS-16)	Approximately 150 m southeast of the Phase One Property.	Brown Clay (0-1.2 mbgs)	1.2 mbgs	4.2 mbgs
5305333 (WWIS-17)	Approximately 155 m northwest of the Phase One Property.	Brown Clay (0-1.5 mbgs)	1.5 mbgs	8.5 mbgs
5304472 (WWIS-18)	Approximately 155 m northeast of the Phase One Property.	Brown Clay (0-1.2 mbgs)	1.2 mbgs	4.8 mbgs
5304472 (WWIS-20)	Approximately 160 m south of the Phase One Property.	Brown Clay (0-1.2mbgs)	1.2 mbgs	Not available.
5304472 (WWIS-21)	Approximately 160 m east of the Phase	Brown Clay (0-0.6 mbgs)	0.6 mbgs	3.96 mbgs

MOECC Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
	One Property.			
5300529 (WWIS-22)	Approximately 160 m west of the Phase One Property.	Clay/Shale (0-1.2 mbgs)	1.2 mbgs	15.2 mbgs
5306090 (WWIS-23)	Approximately 165 m south of the Phase One Property.	Brown Topsoil (0-0.9 mbgs) Brown Sand and Stones (0.9-2.1 mbgs)	2.1 mbgs	Not available.
5301371 (WWIS-25)	Approximately 165 m south of the Phase One Property.	Not available.		10.6 mbgs
5300535 (WWIS-26)	Approximately 170 m northwest of the Phase One Property.	Clay and Gravel (0-3.9 mbgs)	3.9 mbgs	11.0 mbgs
5301375 (WWIS-28)	Approximately 175 m east of the Phase One Property.	Clay and Gravel (0-0.9 mbgs)	0.9 mbgs	10.6 mbgs
5302016 (WWIS-29)	Approximately 185 m northwest of the Phase One Property.	Clay and Gravel (0-2.1 mbgs)	2.1 mbgs	7.9 mbgs
5302016 (WWIS-31)	Approximately 190 m southwest of the Phase One Property.	Clay and Gravel (0-1.5 mbgs)	1.5 mbgs	2.4 mbgs
5300544 (WWIS-32)	Approximately 195 m north of the Phase One Property.	Clay and Gravel (0-2.7 mbgs)	2.7 mbgs	8.5 mbgs
5300533 (WWIS-33)	Approximately 200 m north of the Phase One Property.	Clay and Gravel (0-0.6 mbgs)	0.6 mbgs	8.5 mbgs
7247980 (WWIS-34)	Approximately 210 m southeast of the Phase One Property.	Brown Topsoil (0-0.6 mbgs) Brown Stones and Sand (0.6-1.2 mbgs) Brown Shale (1.2-	3.0 mbgs	4.2 mbgs

MOECC Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
		3.0 mbgs)		
5302103 (WWIS-35)	Approximately 215 m west of the Phase One Property.	Brown Topsoil (0-1.5 mbgs)	1.5 mbgs	7.6 mbgs
5300532 (WWIS-36)	Approximately 220 m northwest of the Phase One Property.	Clay and Gravel (0-0.9 mbgs)	0.9 mbgs	6.0 mbgs
5302008 (WWIS-37)	Approximately 220 m south of the Phase One Property.	Brown Clay and Gravel (0-2.4 mbgs)	2.4 mbgs	3.6 mbgs
5300528 (WWIS-38)	Approximately 220 m north of the Phase One Property.	Brown Clay (0-0.9 mbgs)	0.9 mbgs	6.0 mbgs
5300531 (WWIS-39)	Approximately 230 m northwest of the Phase One Property.	Clay and Gravel (0-1.2 mbgs)	1.2 mbgs	10.3 mbgs
5302380 (WWIS-40)	Approximately 230 m northwest of the Phase One Property.	Brown Clay and Stones (0-2.1 mbgs)	2.1 mbgs	9.4 mbgs
5302501 (WWIS-41)	Approximately 240 m south of the Phase One Property.	Brown Topsoil (0-0.9 mbgs)	0.9 mbgs	13.0 mbgs
5301368 (WWIS-42)	Approximately 240 m south of the Phase One Property.	Clay/Shale (0-0.6 mbgs)	0.6 mbgs	Not available.
5300538 (WWIS-43)	Approximately 240 m northwest of the Phase One Property.	Clay and Gravel (0-1.8 mbgs)	1.8 mbgs	9.4 mbgs
5301442 (WWIS-44)	Approximately 240 m southwest of the Phase One Property.	Topsoil (0-0.3 mbgs)	0.3 mbgs	8.8 mbgs
5301941 (WWIS-45)	Approximately 245 m south of the Phase One Property.	Clay and Gravel (0-1.8 mbgs)	1.8 mbgs	6.09 mbgs

MOECC Well ID (EcoLog ERIS ID)	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
5301370 (WWIS-46)	Approximately 245 southwest of the Phase One Property.	Clay and Gravel (0-0.9 mbgs)	0.9 mbgs	3.3 mbgs
5302134 (WWIS-47)	Approximately 250 m northwest of the Phase One Property.	Topsoil (0-1.2 mbgs)	1.2 mbgs	3.3 mbgs

The EcoLog ERIS report search results indicated that most of the wells identified within the Phase One Study Area were installed for domestic use (i.e., drinking water, etc.) and that the margin of error associated with the UTM coordinates is reported to be 30 to 100 m.

It is unknown if the water wells currently exist within the Phase One Study Area or have been decommissioned.

The Water Well Information System database search results are provided in the EcoLog ERIS report in Appendix K.

4.4 Site Operating Records

There are no current land uses or records of historical land use that would classify the Phase One Property as an enhanced investigation property (see Section 6.3). As such, Site operating records were not reviewed as part of the Phase One ESA.

5.0 INTERVIEWS

Pinchin interviewed an individual knowledgeable of the Phase One Property and its history to obtain or confirm information regarding the environmental condition of the Phase One Property. The following individual provided information regarding the history of the Phase One Property and the surrounding properties within the Phase One Study Area to the best of their knowledge:

Person Interviewed	Relationship to Phase One Property	Date and Place of Interview	Interview Method
Ms. Grace Nyman	Community Development Coordinator for The Corporation of the County of Prince Edward	May 10, 2017 (Phase One Property)	In-person interview during Site reconnaissance.

Ms. Grace Nyman, Community Development Coordinator for The Corporation of the County of Prince Edward was interviewed due to her familiarity with the Phase One Property. Ms. Grace Nyman accompanied the Pinchin representative (Ms. Kennetha Parks) during the Site reconnaissance.

Pinchin compared the information obtained from the interviews with information obtained from the historical records. The information provided by the interviewee was corroborated by the available historical records, with the exception of the former buildings located on the west portion of the Phase One Property (constructed in the 1800s and demolished prior to 1962).

With respect to PCAs and APECs, no additional information was obtained from the interviews other than that documented elsewhere in this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area was conducted for the purpose of identifying the presence of possible PCAs and associated APECs.

The Site reconnaissance was completed on May 10, 2017 by a Pinchin representative (i.e., Ms. Kennetha Parks), under the direct supervision of Pinchin's QP_{ESA}, Mr. Peter Roberts, overseeing this project. Mr. Peter Roberts is an Environmental Engineer/Office Manager with more than 15 years of environmental consulting experience. Pinchin visited the Phase One Property and surrounding properties within the Phase One Study Area to document environmental conditions. During the Site reconnaissance, Pinchin viewed all accessible areas within the Phase One Property and viewed publicly-accessible portions of the adjacent lands for the presence of actual or potential issues of environmental concern.

The Site reconnaissance was conducted between the hours of 9:00 AM and 10:00 AM. During the Site reconnaissance, the weather was clear and sunny, and the ambient temperature was approximately 12° Celsius. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the Phase One Property. There were no access restrictions for Pinchin for the Phase One

Property with the exception of the rooftop, which could not be accessed at the time of the Site reconnaissance. At the time of the Site reconnaissance, the Phase One Property was vacant; however, the most recent tenant was the Consecon Fire Hall.

Photographs taken during the Site reconnaissance that illustrate the interior and exterior of the Site Building, Phase One Property and Phase One Study Area are provided in Appendix B. With reference to Appendix B, the following table provides a summary of photographs that illustrate PCAs and APECs identified at the Phase One Property during the Site reconnaissance:

Photograph No.	Orientation	Description
1-5	Varies.	Site Building, which is assumed to have historically stored fire retardant materials.

With reference to Appendix B, the following table provides a summary of photographs that illustrate PCAs observed within the Phase One Study Area during the Site reconnaissance:

Photograph No.	Orientation	Description
6	Looking south	Former automotive repair facility.
9	Looking south	A 1,500 L abandoned waste oil AST located approximately 15 m south of the Phase One Property.
10	Looking south	A 1,150 L heating oil AST located adjacent to the south elevation Phase One Property.

6.2 Specific Observations at Phase One Property

6.2.1 Description of Buildings and Structures

During the Site reconnaissance, Pinchin observed one building/structure on the east portion of the Phase One Property. The building consisted of a single-storey structure constructed in approximately 1980. The building consists of concrete slab-on-grade, presumed wood frame construction, with a steel roof and steel siding. The majority of the Site Building consisted of a garage, which was used to park fire fighting trucks. A small two-piece washroom is located within the southwest portion of the Site Building.

A gravel parking lot is located east of the Site Building and the north and west portions of the Phase One Property consist of vacant undeveloped land.

6.2.2 Description of Below-Ground Structures

During the Site reconnaissance, Pinchin did not observe any current below-ground structures on the Phase One Property, with the exception of a well head observed adjacent to the west elevation of the Site Building. Based on correspondence with the Site Representative, the water service to the Site Building is reportedly supplied by the City of Quinte West, and as such, Pinchin believes this to be a former drinking water well that has since been abandoned.

6.2.3 Description of Tanks

During the Site reconnaissance, Pinchin did not observe any tanks on the Phase One Property for the purpose of either fuel dispensing or storage, or other unidentified substance storage.

6.2.4 Potable and Non-Potable Water Sources

During the Site reconnaissance, Pinchin did not observe potable or non-potable water sources on the Phase One Property. The Phase One Property is serviced by a municipal water supply via underground piping running west from Consecon Main Street.

6.2.5 Description and Location of Underground Utilities

A number of underground utilities were observed on the Phase One Property, including electrical lines, and municipal water and a septic system.

The water services enter the Site Building via underground lines running from Consecon Main Street to the Site Building. Electricity to the Site Building is provided by an overhead line running from the south adjacent property and a septic system is located west of the Site Building.

6.2.6 Entry and Exit Points

The main man-door entry/exit point for the Site Building is located on the north elevation of the Site Building, in the east corner. In addition, two bay doors provide access to the Site Building from the east elevation.

6.2.7 Details of Heating System

The Site Building is heated by an electrically-powered suspended heating unit.

6.2.8 Details of Cooling System

None observed and none reported by the Site Representative.

6.2.9 Details of Drains, Pits and Sumps

No pits or sumps were observed at the Phase One Property. Two floor drains are located in the centre of the Site Building.

6.2.10 Unidentified Substances within Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances at the Phase One Property. No bulk liquid storage was observed on-Site.

6.2.11 Details of Staining and Corrosion

During the Site reconnaissance, Pinchin did not observe any areas of staining or corrosion inside the Site Building.

6.2.12 Details of On-Site Wells

A well head that is suspected to be abandoned was observed adjacent to the west elevation of the Site Building. The Site Representative was unaware as to whether the well was active or abandoned. No additional water supply or groundwater monitoring wells were reported by the Site owner to have been on-Site, prior to, or during their occupancy.

6.2.13 Details of Sewage Works

During the Site reconnaissance, Pinchin observed a septic bed located west of the Site Building. Sewage generated by the Site Building is discharged to the septic bed via a sewer pipe that exits the west elevation of the Site Building.

6.2.14 Details of Ground Cover

During the Site reconnaissance, Pinchin visually inspected the Phase One Property ground cover. Vegetated areas are located on the west, south and north portions of the Phase One Property. The east portion of the Phase One Property consists of a gravel-paved driveway.

6.2.15 Details of Current or Former Railways

No current or former railway infrastructure was observed on the Phase One Property.

6.2.16 Areas of Stained Soil, Vegetation and Pavement

During the Site reconnaissance, Pinchin did not observe any areas of stained soil, vegetation or pavement on the Phase One Property.

6.2.17 Areas of Stressed Vegetation

During the Site reconnaissance, Pinchin did not observe any areas of stressed vegetation on the Phase One Property.

6.2.18 Areas of Fill and Debris Materials

No obvious areas where fill material or debris have been placed or graded were observed by Pinchin at the Phase One Property; however, regrading and minor fill placement at the Phase One Property may have previously occurred during initial development activities to prepare for the former and the current on-Site building locations, parking areas and access to the Phase One Property, and to establish drainage patterns. It should be noted that two buildings formerly located on the west and central portions of the Site have been demolished. Based on the above-noted information, it is Pinchin's opinion that there is the potential for fill material of an unknown quality to be present on these portions of the Site as a result of the previous demolition activities.

6.2.19 Potentially Contaminating Activities

A PCA is defined by O. Reg. 153/04 as a "use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area" including the Phase One Property. Pinchin did not identify any current PCAs at the Phase One Property during the Site reconnaissance.

Details regarding the PCAs (e.g., locations, potential contaminants of concern, and rationale for inclusion) are provided in the above relevant sections of this report, and are further summarized in Section 7.2.

6.2.20 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Pinchin did not observe any unidentified substances or storage containers holding unidentified substances on the exterior of the Phase One Property.

6.3 Enhanced Investigation Property

O. Reg. 153/04 defines an "enhanced investigation property" as a property that is being used or has been used, in whole or in part, in the following manner:

- For an industrial use; or
- For any of the following commercial uses:
  - As a garage;
  - As a bulk liquid dispensing facility, including a gasoline outlet; or
  - For the operation of dry cleaning equipment.

The findings of this Phase One ESA have not documented any of the above land uses as occurring at the Phase One Property, and the Phase One Property is therefore not an enhanced investigation property.

6.4 Written Description of Investigation

The Phase One ESA completed by Pinchin included investigations of the Phase One Property and the Phase One Study Area outside of the Phase One Property pursuant to Sections 13 and 14 of Schedule D of O. Reg.153/04. The main objective of these investigations was to identify PCAs at the Phase One Property or within the Phase One Study Area outside of the Phase One Property that could have resulted in APECs at the Phase One Property.

6.4.1 Phase One Property

The investigation of the Phase One Property consisted of the following components:

- Review of available historical records, including an FIP, chain of title search, EcoLog ERIS regulatory search, information obtained through MOECC FOI and TSSA requests, aerial photographs and well records;
- A Site reconnaissance completed on May 10, 2017, by Ms. Kennetha Parks of Pinchin that included an assessment of structures at the Phase One Property and the exterior of the Phase One Property;
- Interviews with individuals knowledgeable of the history and operations at the Phase One Property; and
- Review of mapping provided by EcoLog ERIS for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Property identified the following PCAs:

- PCA #1:
  - Item 23 – Fire Retardant Manufacturing, Processing and Bulk Storage (Site was formerly occupied by a Fire Hall and as such, there is the potential that fire retardant materials were historically stored on-Site); and
- PCA #2:
  - Item 30 – Importation of Fill Material of Unknown Quality (two buildings historically located on the central and west portions of the Site were demolished).

As per O. Reg. 153/04, all identified PCAs at the Phase One Property are considered APECs that will require investigation through the completion of a Phase Two ESA.

No areas of natural significance were identified at the Phase One Property.

6.4.2 Phase One Study Area Outside of Phase One Property

The investigation of the Phase One Study Area outside of the Phase One Property consisted of the following components:

- Review of available historical records, including an FIP, EcoLog ERIS regulatory search and aerial photographs;
- Visual inspection of properties from publicly-accessible areas for evidence of PCAs and water bodies; and
- Review of mapping provided by EcoLog ERIS for the presence of areas of natural significance.

Pinchin's investigation of the Phase One Study Area outside of the Phase One Property identified the following PCAs that are considered to represent APECs at the Phase One Property:

- PCA #3:
  - Item 27 – Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (former automotive repair facility located adjacent to the south elevation of the Site);
- PCA #4:
  - Item 28 – Gasoline and Associated Products Storage in Fixed Tanks (an abandoned AST was observed 15 m south during the Site reconnaissance. In addition, it should be noted that this AST was observed to be located within 2 m of the south Site boundary in the 2014 and 2016 aerial photographs reviewed by Pinchin); and
- PCA #5:
  - Item 28 – Gasoline and Associated Products Storage in Fixed Tanks (heating oil AST located within 2 m of the south Site boundary).

In Pinchin's opinion, the above-listed PCAs identified within the Phase One Study Area outside of the Phase One Property have the potential to impact soil and/or groundwater quality at the Phase One Property. These PCAs represent APECs at the Phase One Property that will require investigation through the completion of a Phase Two ESA.

The following additional PCAs were identified within the Phase One Study Area outside of the Phase One Property:

- PCA #6:
  - 39 – Paints Manufacturing and Processing:
    - In 1892, a paint shop was located approximately 40 m north of the Phase One Property. This property is situated hydraulically transgradient in relation to the inferred direction of groundwater flow from the Site;
- PCA #7:
  - Other – Spill:
    - The property located at 3 Store Street was was registered for a spill involving 908 L of heating oil. This property is located approximately 125 m west of the Site and is situated hydraulically downgradient in relation to the inferred direction of groundwater flow from the Site;
- PCA #8:
  - Other – Spill:
    - The Ontario Spills database indicated that on July 10, 2009, an unknown amount of molasses was spilled at 9 Division Boulevard. This property is located approximately 60 m west of the Phase One Property and is situated hydraulically downgradient in relation to the inferred direction of groundwater flow from the Site; and
- PCA #9:
  - Other – Spill:
    - On September 6, 2009, an unknown amount of heating oil was spilled at 51 Main Street. This property is located approximately 155 m south of the Phase One Property.

These additional PCAs are not considered to represent APECs at the Phase One Property given the distance from the PCAs to the Phase One Property and/or the hydraulic downgradient/transgradient location of the PCAs relative to the Phase One Property.

No areas of natural significance were identified within the Phase One Study Area outside of the Phase One Property.

Based on a cursory review of the properties greater than 250 m (i.e., outside of the Phase One Study Area), but less than 500 m, from the Phase One Study Area, Pinchin did not note or observe any

significant contaminating properties that should be included as part of this assessment (i.e., landfills, large industrial manufacturers, etc.).

A plan identifying the locations of the PCAs and APECs for which this Phase One ESA applies to is provided as Figure 4.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

The following table is a summary of the current and past land uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Pre-1797.	Crown.	The Phase One Property undeveloped.	Agricultural or other use.	According to interviews, aerial photographs and records review (title search documents) the Phase One Property was undeveloped until the early 1800s when the site was developed for residential land use.
1797-1815.	William Marsh.			
1816-1818.	Mathias Marsh.			
1818-1865.	Archibald Marsh.	The Phase One Property was developed for residential purposes.	Residential use.	
1865-1867.	John Byers.			
1867-1874.	William Graham.			
1874-1876.	William Henderson.			
1876-1878.	George D. Wells.			
1878-1902.	William A Huyoke.			According to the 1892 FIP the west and central portions of the Phase One Property appeared to be developed with a residential dwelling and a carport, neither of which were similar in size and configuration to the present-day Site Building.
1902-1906.	John Chan.			
1906-1908.	Frederick S. Weeks.			According to interviews, aerial

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1908-1910.	David Alexander.			photographs and records review (title search documents, city directories and aerial photographs) the Phase One Property was used for residential purposes.
May 1910-August 1910.	James M. McConkey.			
August 1910-1915.	Hugh Baxter.			
1915-1922.	Elias Clark.			
1922-1924.	Loretta Snider.			
1914-1934.	Lela Moreland (Lela Durant).			
1934-1962.	Charlotte Vanwart.			According to aerial photographs one building was evident on the west portion of the Phase One Property. The building was different in size and configuration to the present-day Site Building.
1962-1964.	William and Isabella Vanwart.		Agricultural or other use.	Based on aerial photographs, the Phase One Property consists of vacant undeveloped land. Two areas of disturbance were evident on the west portion of the Site. It should be noted that the building that was previously evident on the west portion of the Site has since been demolished.
1964-1968.	Edward Vienstra.			
1968.	County of Prince Edward (Edward Vienstra defaulted in taxes).			
1968-1980.	Township of Hillier.	Vacant.	Agricultural or other use.	

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1980-present	Township of Hillier.	Fire Hall and vacant.	Industrial use.	Based on aerial photographs, records reviews, site inspection and interviews, a building that was similar in size and configuration to the present-day Site Building was evident on the Site.

To the best of Pinchin's knowledge, the Phase One Property was undeveloped until the construction of two former on-Site buildings in the 1800s. In summary, the Phase One Property was owned by various individuals from as early as 1797. The usage of the Phase One Property at this time is unknown, and it is assumed that it was used for agricultural purposes until approximately the early 1800s when the property was developed as residential. The two buildings formerly present on the Phase One Property appeared to have been demolished prior to 1962 based on Pinchin's review of the aerial photographs. The property remained vacant until 1980 when the present-day Site Building was constructed. The Site Building was utilized by the Town of Consecon as a Fire Hall from 1980 until 2015 and the Site has reportedly been vacant since 2015.

It is Pinchin's opinion that the date of the first developed use of the Phase One Property is approximately the 1800s with the construction of two buildings on the Phase One Property. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, a title search, and a FIP, which were available for the Phase One Property. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

7.2 Potentially Contaminating Activities

The following PCAs as defined by O. Reg. 153/04 were documented by Pinchin to have occurred at the Phase One Property:

- PCA #1:
  - Item 23 – Fire Retardant Manufacturing, Processing and Bulk Storage (Site was formerly occupied by a Fire Hall and as such, there is the potential that fire retardant materials were historically stored on-Site); and

- PCA #2:
  - Item 30 – Importation of Fill Material of Unknown Quality (two buildings historically located on the central and west portions of the Site were demolished).

The following PCAs as defined by O. Reg. 153/04 were documented by Pinchin to have occurred within the Phase One Study Area outside of the Phase One Property that may have resulted in environmental impacts at the Phase One Property:

- PCA #3:
  - Item 27 – Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles (former automotive repair facility located adjacent to the south elevation of the Site);
- PCA #4:
  - Item 28 – Gasoline and Associated Products Storage in Fixed Tanks (an abandoned AST was observed 15 m south during the Site reconaissance. In addition, it should be noted that this AST was observed to be located within 2 m of the south Site boundary in the 2014 and 2016 aerial photographs reviewed by Pinchin); and
- PCA #5:
  - Item 28 – Gasoline and Associated Products Storage in Fixed Tanks (heating oil AST located within 2 m of the south Site boundary).

Four additional PCAs were identified within the Phase One Study Area outside of the Phase One Property, but these are not considered to represent an environmental concern for the Phase One Property due to the distance from the Phase One Property and/or the hydraulic downgradient/transgradient location of the PCAs relative to the Phase One Property.

7.3 Areas of Potential Environmental Concern

The following table summarizes all APECs identified during the Phase One ESA, as well as their respective PCAs, contaminants of potential concern (COPCs) and the media which could potentially be impacted:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC #1 (Poor-quality Fill Material)	Central and west portions of the Phase One Property	Item 30 – Importation of Fill Material of Unknown Quality	On-Site	Metals BTEX PHCs PAHs	Soil and Groundwater
APEC #2 (Fire Retardant Bulk Storage)	Central portion of the Phase One Property	Item 23 – Fire Retardant Manufacturing, Processing and Bulk Storage	On-Site	VOCs Metals	Soil and Groundwater
APEC #3 (South adjacent historical automotive repair facility and petroleum aboveground storage tanks (ASTs))	South central portion of the Phase One Property.	Item 27 – Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Item 28 – Gasoline and Associated Products Storage in Fixed Tanks Vehicles	Off-Site	VOCs PHCs PAHs Metals	Soil and Groundwater

The rationale used by the QP in assessing the available information to determine whether PCAs exist or have existed within the Phase One Study Area, including the Phase One Property, that represent an APEC at the Phase One Property has been provided in the preceding report sections. In general, the potential for environmental impacts to the Phase One Property was evaluated using a combined probability for a source to contaminate, and the ability of contaminants to migrate on, or to the Phase One Property. For example, a gasoline UST located on the Phase One Property, or on a property in close proximity and/or upgradient of the Phase One Property, would exhibit a high potential for contamination (and is therefore considered a PCA resulting in an APEC at the Phase One Property) since gasoline is highly mobile in the subsurface. In contrast, shallow soil/fill with metals impacts located on a property adjacent to the Phase One Property would be considered to have a low potential for contamination given

that metals generally have low mobility in the subsurface (and would not be considered a PCA and not an APEC at the Phase One Property). Furthermore, non-adjacent properties with PCAs located downgradient of the Phase One Property generally do not result in APECs at the Phase One Property. Groundwater is the media through which contaminants typically migrate from property to property, and if the source of the contaminant is downgradient of the Phase One Property, contaminated groundwater from this source cannot migrate to the Phase One Property and the downgradient PCA would not be considered an APEC at the Phase One Property.

As noted in the summary table above, the Phase One ESA completed by Pinchin identified a total of three APECs at the Phase One Property. Two of the APECs are related to on-Site PCAs, namely the former Fire Hall (i.e., storage of fire retardants) and fill of an unknown quality due to the demolition of two historical on-Site buildings. The other APEC is related to off-Site PCAs, consisting of a historical automotive repair facility located adjacent to the south elevation of the Phase One Property and an abandoned waste oil AST and a heating oil AST located within close proximity of the south Site boundary.

The COPCs listed above in the summary table are APEC-specific and were determined based on several sources of information, including but not limited to, Pinchin's experience with environmental contamination and hazardous substances, common industry standards for analysis of such contaminants and point sources, literature reviews of COPCs and associated hazardous substances, and an evaluation by Pinchin of the mobility and susceptibility for migration of the COPCs in the subsurface.

The evaluation of the presence/absence of APECs at the Phase One Property was based upon the analysis of available documents, records and drawings, and personal interviews. In evaluating the Phase One Property and Phase One Study Area, Pinchin has relied in good faith on information provided by other individuals or sources as noted in this report. Pinchin has assumed that the information provided is factual and accurate, and has no reason to believe that any of the information provided in the available documentation or obtained through interviews is not factual or inaccurate.

Pinchin is not aware of any additional information that would alter the conclusions regarding the presence/absence of APECs at the Phase One Property.

As described in the preceding sections, the historical information available for review for the Phase One ESA was limited. No PURs, PUPs or city directories were available for the Phase One Property or Phase One Study Area. In addition, it should be noted that the Site was vacant at the time of Pinchin's Site reconnaissance and as such, Pinchin cannot comment definitively on the former Fire Hall operations that occurred at the Site and the procedures for handling and disposing of potential firefighting chemicals.

7.4 Phase One Conceptual Site Model

A conceptual site model (CSM) has been created to provide a summary of the findings of the Phase One ESA. The Phase One CSM is summarized in Figures 1 through 4, which illustrate the following features within the Phase One Study Area, where present:

- Existing buildings and structures;
- Water bodies located in whole or in part within the Phase One Study Area;
- Areas of natural significance located in whole or in part within the Phase One Study Area;
- Drinking water wells located at the Phase One Property;
- Land use of adjacent properties;
- Roads within the Phase One Study Area;
- PCAs within the Phase One Study Area, including the locations of tanks; and
- APECs at the Phase One Property.

The following provides a narrative summary of the Phase One CSM:

- The Phase One Property is a rectangular-shaped parcel of land approximately 0.274 acres in size located west side of Consecon Main Street, approximately 60 m north of Porter Street in the Town of Consecon. The Phase One Property is developed with an industrial building (Site Building) that occupies the east portion of the Phase One Property. The Phase One Property was either undeveloped or used for residential purposes from approximately 1797 until the late 1950s. The Site remained vacant from the 1960s until 1980, at which time the present-day Site Building was constructed. The Site operated as a Fire Hall for the Town of Consecon from 1980 until 2015, and as such, the Site has been vacant since 2015;
- No water bodies were identified within the Phase One Study Area. An unnamed river connecting Consecon Lake and Weller's Bay (Lake Ontario), is located approximately 20 m west of the Phase One Property at an elevation of approximately 78 mamsl. Consecon Lake is located approximately 2.3 km east of the Phase One Property and Weller's Bay is located approximately 430 m northwest of the Phase One Property;
- No areas of natural significance were identified within the Phase One Study Area;
- Water to the Site Building is reportedly provided by the City of Quinte West; however, an abandoned water supply well was located immediately west of the Site Building;
- The west elevation of the Site is bordered by Division Street and the east elevation of the Site is bordered by Consecon Main Street;

- A total of nine PCAs were identified within the Phase One Study Area, consisting of two PCAs at the Phase One Property and seven PCAs within the Phase One study, outside of the Phase One Property. As shown on Figure 4, four of the off-Site PCAs were located approximately 40 to 155 m from the Site. Groundwater flow within the Phase One Study Area is interpreted to be to the west-northwest towards the unnamed River and Weller's Bay and these off-Site PCAs are inferred to be hydraulically down/transgradient of the Phase One Property. Given that these PCAs are located at hydraulically down/transgradient properties that are approximately 40 to 155 m away from the Phase One Property, these off-Site PCAs are not considered to result in APECs at the Phase One Property. All other PCAs identified within the Phase One Study Area represent APECs at the Phase One Property. Figure 4 provides a detailed summary of the APECs and associated PCAs and COPCs;
- Underground utilities at the Phase One Property provide potable water, telephone services to the Site Building. These services enter the Site Building through the east and west elevations of the Site Building, with the exception of the electrical, which is fed by overhead wires entering the southeast corner of the Site Building. No storm sewer catch basins were observed on-Site. Plans were not available to confirm the depths of these utilities, but they are estimated to be located approximately 0.9 to 1.5 mbgs. The depth to groundwater at the Phase One Property is estimated to be between 2.4 and 15.2 mbgs, and the utility corridors are expected to be well above the water table and would not act as preferential pathways for contaminant distribution and transport in the event that shallow subsurface contaminants exist at the Phase One Property;
- Subsurface soils at the Phase One Property are comprised of soils from the Ameliasburgh Series, which consists of clay loam and loam type soils. In addition, the surrounding properties located within the Phase One Study Area predominantly consist of soils consisting of the Ameliasburgh Series and Marsh Series. The Marsh Series consists of soils found in shallow water underlain by partially decomposed organic material. Based on data from the MOECC well records database, bedrock is expected to consist of shale and limestone at an elevation of 77 mamsl; and
- The Phase One Property is relatively flat with little relief. The general topography in the local and surrounding area is generally flat with a slight grade downwards in elevation west towards the river. No bedrock outcrops were observed on-Site or in the surrounding area. Local groundwater flow is inferred to be to the west-northwest (towards unnamed river and Weller's Bay).

There were no deviations from the Phase One ESA requirements specified in O. Reg. 153/04 or absence of information that have resulted in uncertainty that would affect the validity of the Phase One CSM.

8.0 CONCLUSIONS

Pinchin conducted this Phase One ESA in accordance with Part VII and Schedule D of O. Reg. 153/04. The purpose of the Phase One ESA was to assess the potential presence of environmental impacts at the Phase One Property due to activities at and near the Phase One Property in support of filing an RSC in accordance with O. Reg. 153/04.

Based on the findings of this Phase One ESA, Pinchin identified two PCAs at the Phase One Property (i.e., on-Site) and seven PCAs within the Phase One Study Area outside of the Phase One Property (i.e., off-Site). Of the off-Site PCAs, four are not considered to result in APECs at the Phase One Property given their distance from the Phase One Property and/or their hydraulic down/transgradient location with respect to the inferred groundwater flow direction at the Phase One Property. The remaining two on-Site PCAs and the three off-Site PCAs represent a total of three APECs at the Phase One Property. It is Pinchin's opinion that these four PCAs may have resulted in contamination of soil and groundwater at the Phase One Property and, as such, represent APECs at the Phase One Property that warrant further investigation prior to the submittal of an RSC.

Pinchin recommends that a Phase Two ESA be conducted at the Phase One Property as an "assessment of property conducted in accordance with the regulations by or under the supervision of a qualified person to determine the location and concentration of one or more contaminants in the land or water on, in or under the property". Pinchin concludes that one or more contaminants originating from PCAs located on the Phase One Property and within the Phase One Study Area outside of the Phase One Property may have affected land or water on, in, or under the Phase One Property. Therefore, Pinchin recommends that a Phase Two ESA be conducted prior to filing an RSC for the Phase One Property.

It should be noted that the references and sources for the information used in evaluating the Phase One Property are provided in the relevant sections of this report. Furthermore, specific references are also summarized in Section 9.0.

8.1 Signatures

This Phase One ESA was undertaken under the supervision of Peter Roberts, P.Eng. QP_{ESA} in accordance with the requirements of O. Reg. 153/04 to support the filing of an RSC for the Phase One Property. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on May 10, 2017, and a review of available historical information and information obtained from interviews.

This report has been issued without having received a response to a request for information from the MOECC and the TSSA. Pinchin reserves the right to amend our conclusions and recommendations based on information obtained from the regulatory agency.

We trust that the information provided in this report meets your current requirements.

8.2 Terms and Limitations

This Phase One ESA was performed in order to identify potential issues of environmental concern associated with the property located at 81 Consecon Main Street, Consecon, Ontario (Site), at the time of the Site reconnaissance. This Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific Client requests, as applicable to this Site. This report was prepared for the exclusive use of The Corporation of the County of Prince Edward (Client), subject to the terms, conditions and limitations contained within the duly authorized proposal for this project. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.

If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from the Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Site, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or contained in reports that were reviewed. The scope of work for this Phase One ESA did not include a visual or intrusive investigation for designated substances (e.g., asbestos, mould, PCB-containing electrical equipment, etc.) and, therefore, these materials may be present at the Site.

Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory

compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

Ontario Regulation 153/04 does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable federal, provincial or municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase One ESA.

9.0 REFERENCES

The following documents, persons or organizations provided information used in this report:

1. Ms. Grace Nyman, Community Development Coordinator for The County of Prince Edward [Site Representative];
2. EcoLog ERIS report entitled "*81 Consecon Main Street, Consecon, Ontario*", dated July 13, 2017 (ERIS Project # 20170710026);
3. Opta Information Intelligence "*81 Consecon Main Street, Consecon, Ontario*", and dated July 13, 2017 (Opta Order ID: 38429);
4. The Atlas of Canada – Surficial Materials: http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1;
5. The Atlas of Canada – Bedrock Geology: http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12;
6. Toporama – Topographic Maps: http://atlas.gc.ca/site/english/maps/topo/map;
7. Canadian Centre for Occupational Health & Safety: http://www.ccohs.ca/oshanswers/phys_agents/radon.html;
8. National Air Photo Library, Ottawa, Ontario;
9. Library and Archives of Canada, Ottawa, Ontario;
10. Technical Standards & Safety Authority ;
11. The City of Ottawa ;
12. Ontario Ministry of the Environment and Climate Change ;
13. MOECC Brownfields Environmental Site Registry ;
14. Google Earth™ Satellite Imagery ;

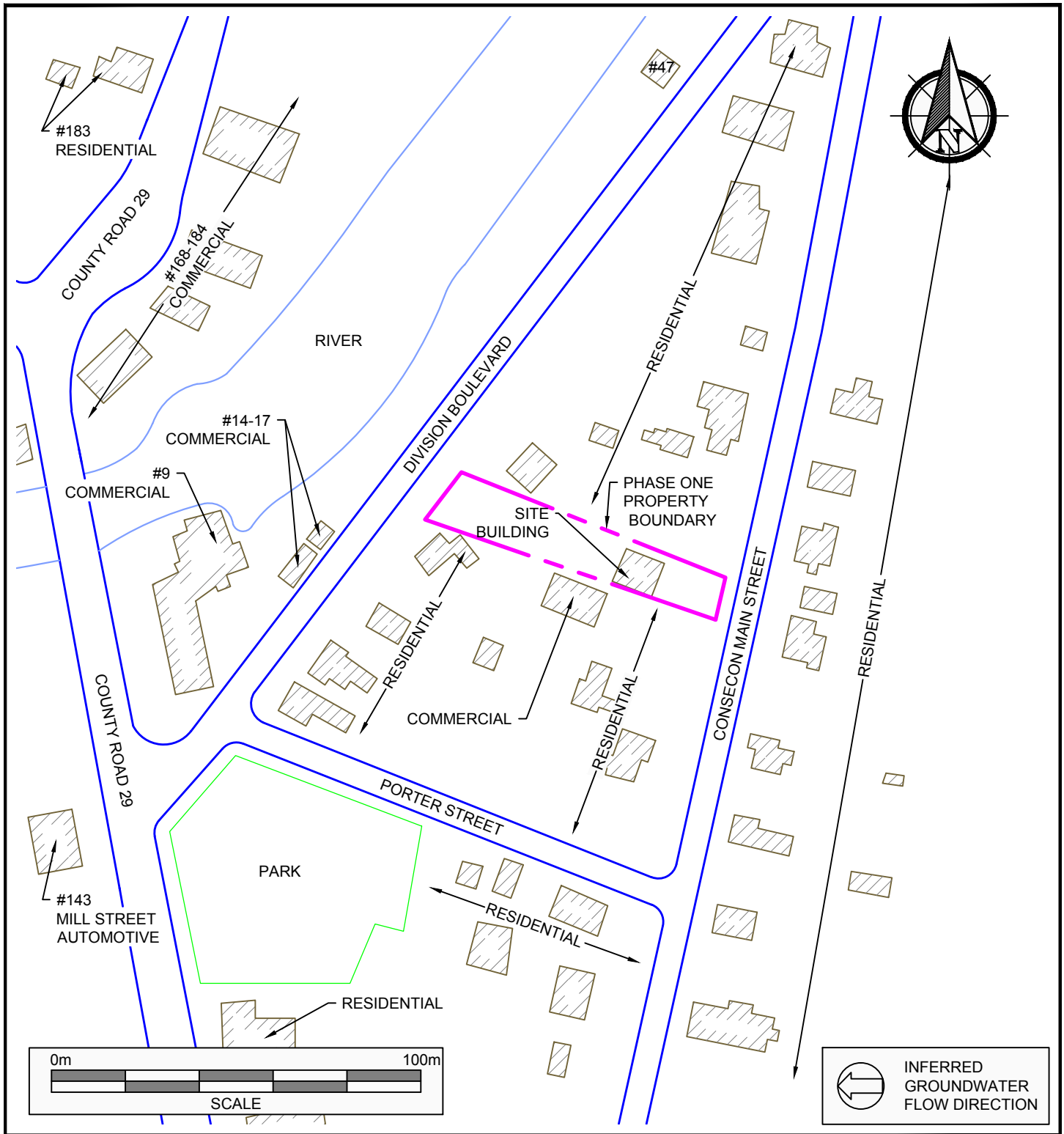
15. Health Canada. "*Cross-Canada Survey of Radon Concentrations in Homes – Final Report*", dated March 2012 ;
16. Intera Technologies Inc. *Inventory of Coal Gasification Plant Waste Sites in Ontario.* April 1987 ;
17. Intera Technologies Inc. *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*. November 1988 ; and
18. Province of Ontario. Environmental Protection Act R.S.O. 1990, c. E.19 and Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act. Last amended by Ontario Regulation 333/13 on December 13, 2013.

10.0 APPENDICES

APPENDIX A
Figures

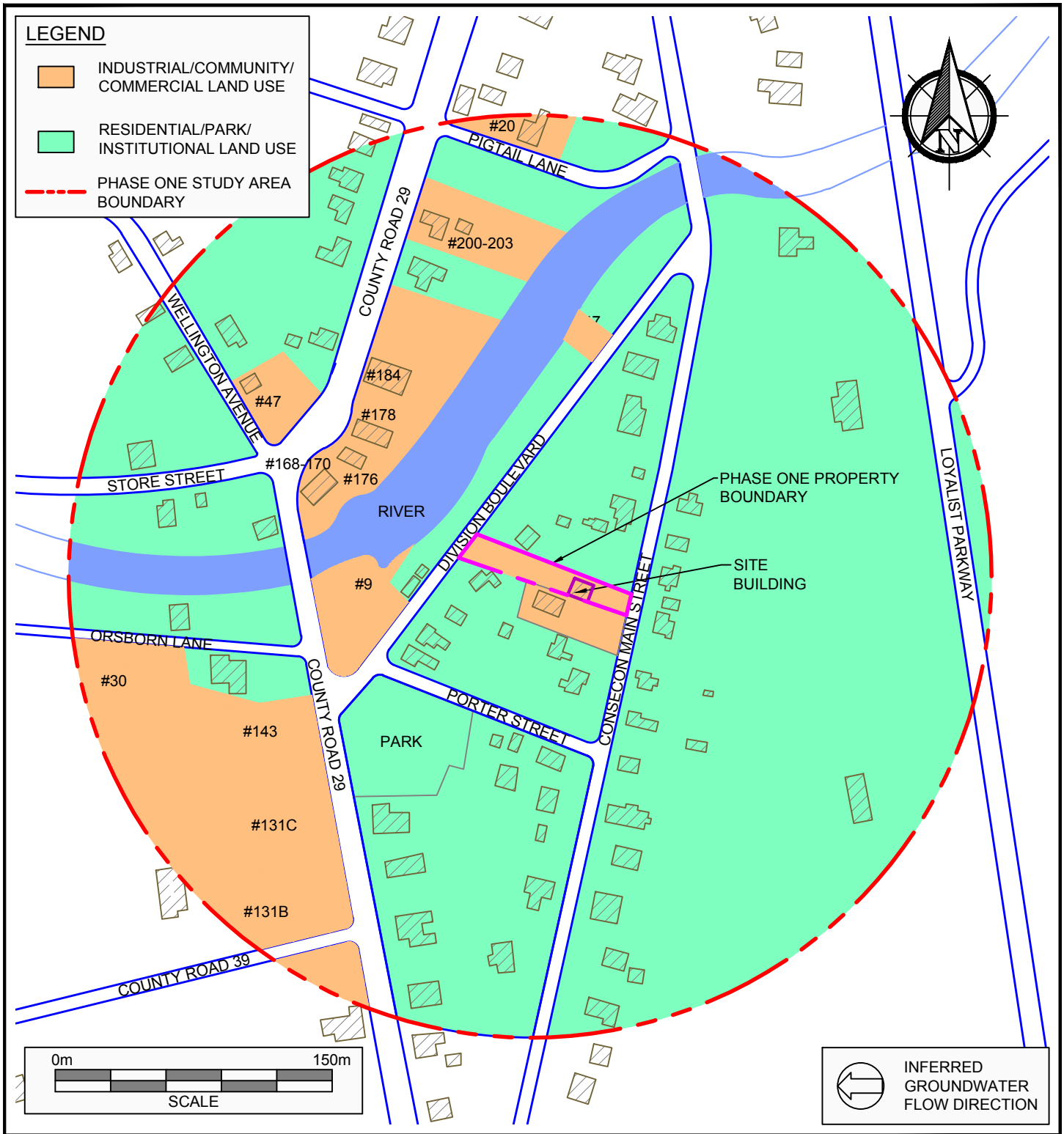
PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME: THE CORPORATION OF THE COUNTY OF PRINCE EDWARD			
PROJECT LOCATION: 81 CONSECON MAIN STREET, CONSECON, ONTARIO			
FIGURE NAME: KEY MAP			FIGURE NO.: 1
SCALE: AS SHOWN	PROJECT NO.: 205037	DATE: AUGUST 2017	



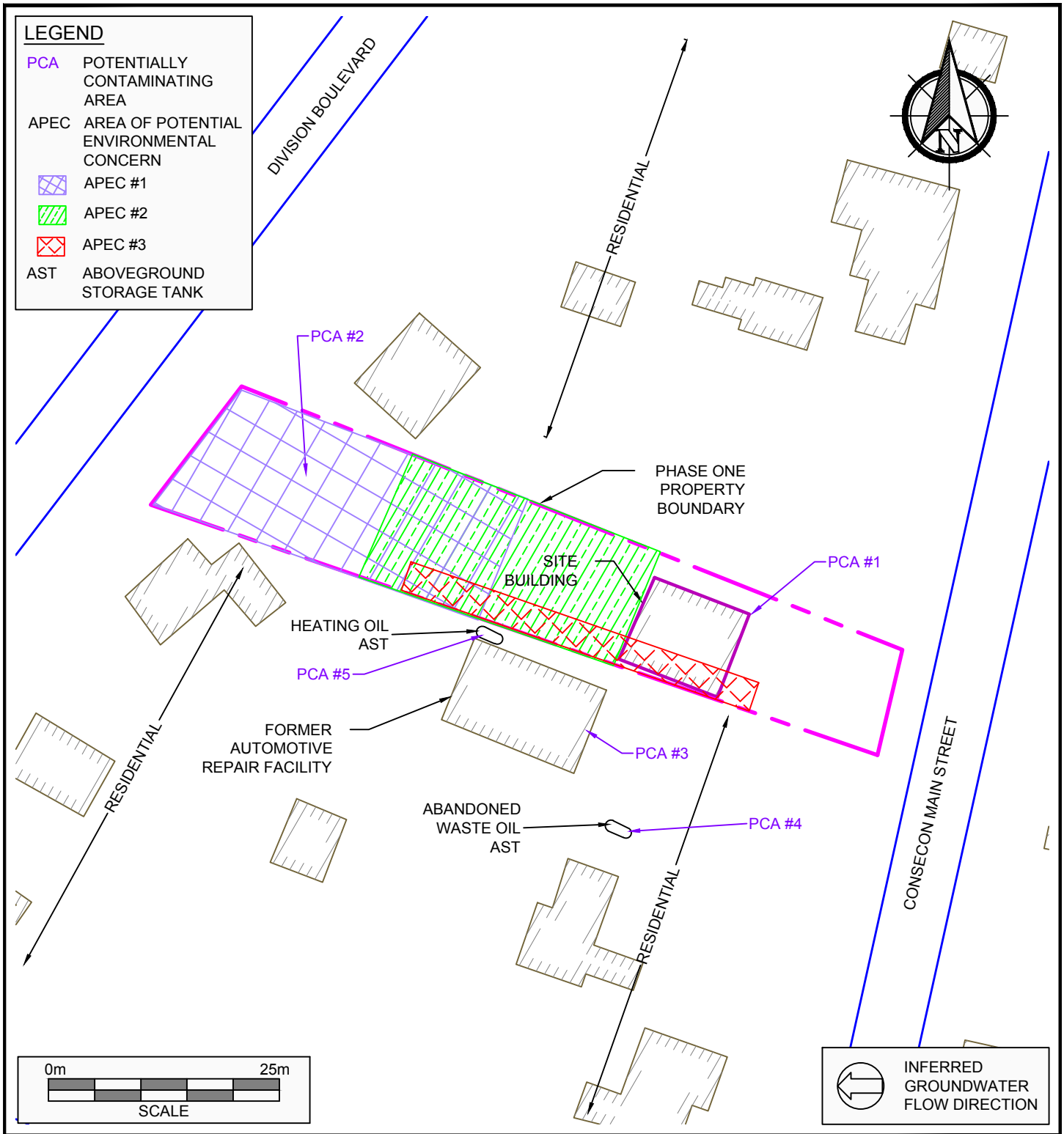
PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME: THE CORPORATION OF THE COUNTY OF PRINCE EDWARD			
PROJECT LOCATION: 81 CONSECON MAIN STREET, CONSECON, ONTARIO			
FIGURE NAME: SITE AND SURROUNDING LAND USE PLAN			FIGURE NO.: 2
SCALE: AS SHOWN	PROJECT NO.: 205037	DATE: AUGUST 2017	



PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME: THE CORPORATION OF THE COUNTY OF PRINCE EDWARD			
PROJECT LOCATION: 81 CONSECON MAIN STREET, CONSECON, ONTARIO			
FIGURE NAME: PHASE ONE STUDY AREA			FIGURE NO.: 3
SCALE: AS SHOWN	PROJECT NO.: 205037	DATE: AUGUST 2017	



PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME: THE CORPORATION OF THE COUNTY OF PRINCE EDWARD			
PROJECT LOCATION: 81 CONSECON MAIN STREET, CONSECON, ONTARIO			
FIGURE NAME: AREAS OF POTENTIAL ENVIRONMENTAL CONCERN			FIGURE NO. 4
SCALE: AS SHOWN	PROJECT NO.: 205037	DATE: AUGUST 2017	

APPENDIX B

Photographs

Photo 1 – North elevation of the Site Building, looking southwest.

Photo 2 – South elevation of the Site Building, looking west.

Photo 3 – West elevation of the Site Building, looking southeast.

Photo 4 – East elevation of the Site Building, looking southwest.

Photo 5 – Interior of Site Building.

Photo 6 – South adjacent property (former automotive repair facility).

Photo 7 – North adjacent properties.

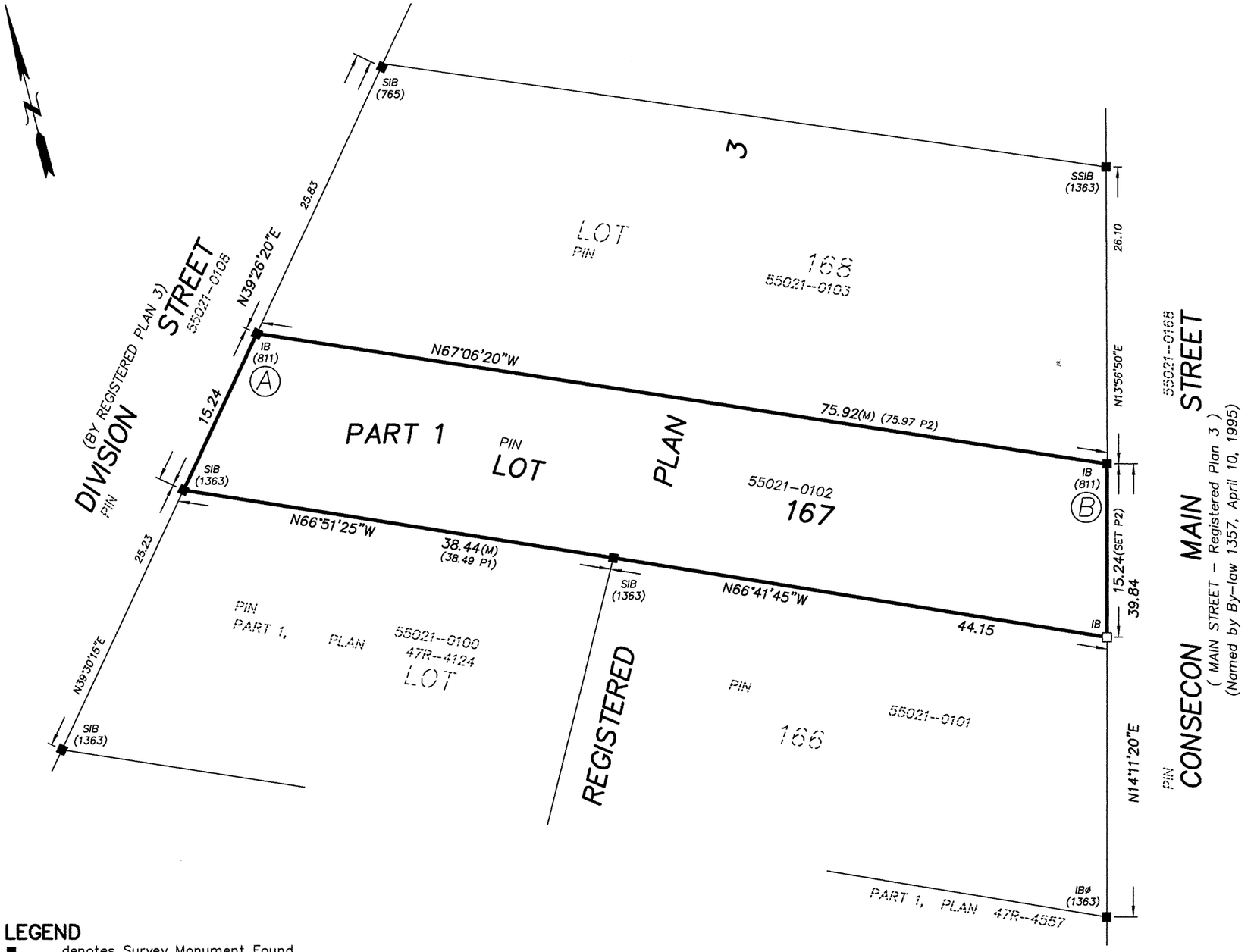
Photo 8 – East surrounding properties.

Photo 9 – Abandonned waste oil AST located south of the Site.

Photo 10 – South adjacent heating oil AST.

APPENDIX C

Survey Plan



LEGEND

■	denotes Survey Monument Found
□	denotes Survey Monument Set
SSIB	denotes Short Standard Iron Bar
SIB	denotes Standard Iron Bar
IB	denotes Iron Bar
ø	denotes Round
WIT	denotes Witness
M	denotes Measured
P1	denotes Plan 47R–4124
P2	denotes Registered Plan 3
765	denotes G.T. Horton, O.L.S.
811	denotes W.J. Pattison, O.L.S.
1363	denotes B.R. Pickard, O.L.S.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act, the Land Titles Act and the regulations made under them.
2. The survey was completed on May 2, 2017.

June 20, 2017 — Kerry Boehme, O.L.S.
Date

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE June 20, 2017

KERRY BOEHME
ONTARIO LAND SURVEYOR

PLAN 47R 8828
RECEIVED AND DEPOSITED

DATE June 26/17

Dina Norman
REPRESENTATIVE FOR THE LAND REGISTRAR FOR THE LAND TITLES DIVISION OF PRINCE EDWARD (No. 47)

SCHEDULE

PART	LOT	PLAN	PIN	AREA
1	All of 167	3, Consecon	All of 55021–0102	1175 sq.m.

PLAN OF SURVEY OF
LOT 167
REGISTERED PLAN 3, CONSECON
TOWNSHIP OF HILLIER
THE MUNICIPALITY OF THE
COUNTY OF PRINCE EDWARD

SCALE 1 : 400 METRES

0 2 4 6 8 10 20 30

IVAN B. WALLACE O.L.S. LTD.

BEARING NOTES

Bearings are UTM Grid, derived from observed reference points A and B, by Real Time Network observations, UTM Zone 18, NAD83(CSRS)(2010).

For bearing comparisons, the following rotations were applied:
P1 – 1°50'55" clockwise

DISTANCE NOTES – METRIC

Distances and coordinates are in metres and can be converted to feet by dividing by 0.3048.

Distances are ground and can be converted to grid by multiplying by the combined scale factor of 1.000095.

INTEGRATION DATA

Observed reference points derived from GPS observations using a Real Time Network and are referred to UTM Zone 18 (75° west longitude) NAD83(CSRS)(2010).

Urban accuracy per Sec. 14(2), O.Reg. 216/10.

POINT ID	NORTHING	EASTING
A	4874341.92	297858.01
B	4874312.39	297927.95

CAUTION: COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN

IBW SURVEYORS
5503 HIGHWAY 62 SOUTH, BELLEVILLE, ONTARIO, K8N 4Z7
IBWSURVEYORS.COM | 1.800.667.0696 | 1.613.966.9898

PARTY CHIEF: JD	DRAWN BY: DED	CHECKED BY: KB	PLOT DATE: June 20, 2017
FILE NAME: 8-1012-rplan		copies available at LandSurveyRecords.com	

APPENDIX D

Opta Records

opta
INFORMATION INTELLIGENCE

enviroscan

An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

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

Report Completed By:

Stephanie

Site Address:

81 Consecon Main St Prince Edward County ON

Project No:

20170710026

Opta Order ID:

38429

Requested by:

Eleanor Goolab
ERIS

Date Completed:

7/13/2017 8:02:26 AM

Project Name: 205037

Project #: 20170710026

ENVIROSCAN Report

Search Area: 81 Consecon Main St Prince Edward County ON

Requested by:
Eleanor Goolab
Date Completed: 07/13/2017 08:02:26

enviroscan
OPTA INFORMATION INTELLIGENCE

Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

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

Disclaimer

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

Entire Agreement

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

Governing Document

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

Law

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

175 Commerce Valley Drive W
Markham, Ontario
L3T 7Z3

T: 905.882.6300
Toll Free: 905.882.6300
F: 905.882.6300

An SCM Company
www.optaintel.ca

ENVIROSCAN Report

Report Index

Requested by:
Eleanor Goolab
Date Completed: 07/13/2017 08:02:26

OPTA INFORMATION INTELLIGENCE

Page	Report Title
6	(1904) Volume: Ontario Firemap: 1

N
W E
S

ENVIROSCAN Report

1904 Volume: Ontario Firemap: 1
Consecon Plan: 465 (1892)
Sheet: 1 (1904)

Requested by:
Eleanor Goolab
Date Completed: 07/13/2017 08:02:26

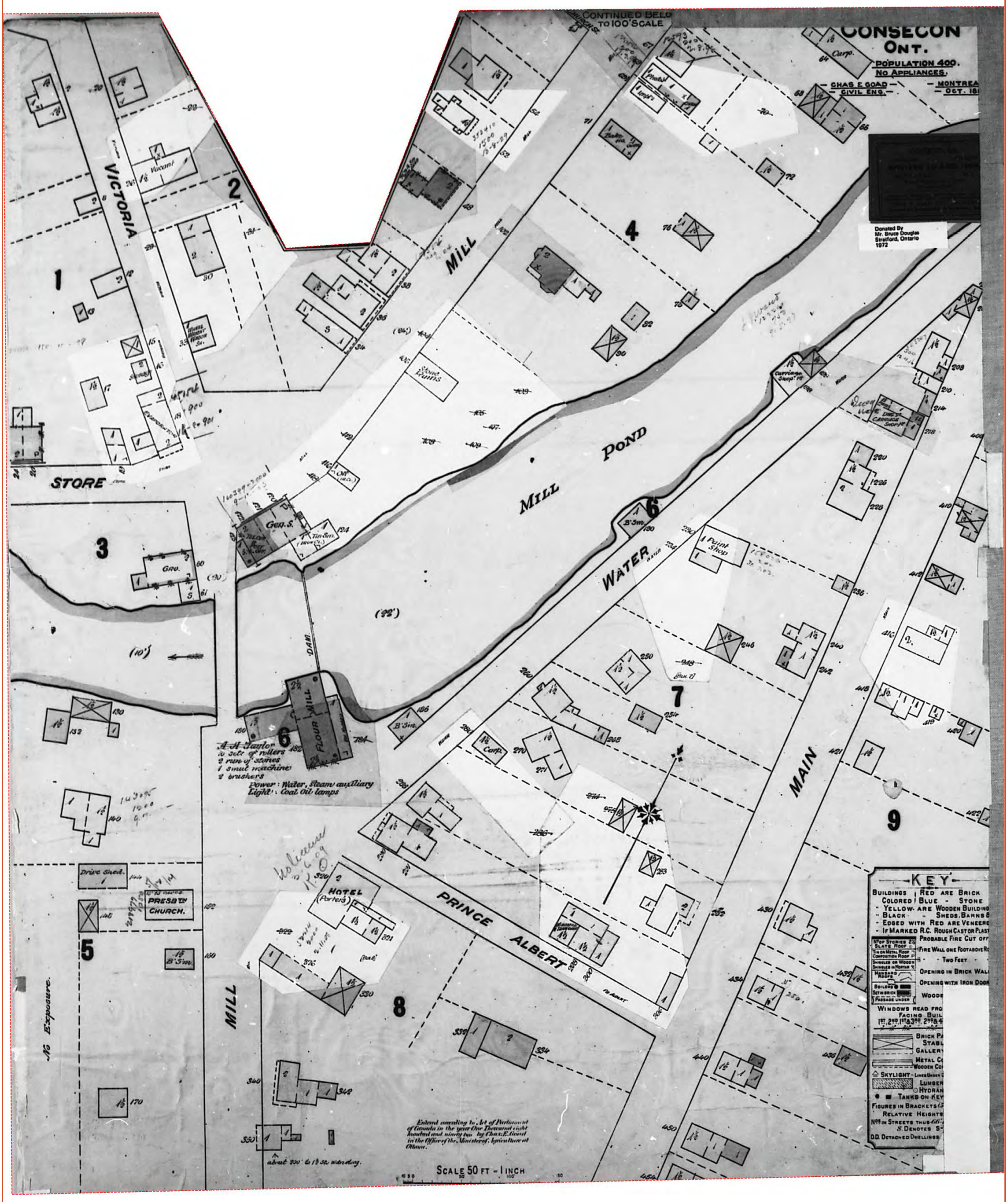
enviroscan
OPTA INFORMATION INTELLIGENCE

FIP Locator Map
The detailed FIP is on the following page

HEIRS Report

1904 Volume: Ontario Firemap: 1
Consecon Plan: 465 (1892)
Sheet: 1 (1904)

Requested by:
Eleanor Goolab
Date Completed: 07/13/2017 08:02:26



APPENDIX E

Chain of Title Search Results

CHAIN OF TITLE REPORT

Project # 20170615033
Address: 81 Main Street, Consecon
Legal Description: Lot 167 Plan 3 Consecon Hillier

Searched at: Picton
LRO #: 47

PIN# 55021-0102 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	05 04 1797	Crown	William MARSH
42	Deed	25 11 1816	William Marsh	Mathias MARSH
539	Deed	09 06 1818	Mathias Marsh	Archibald MARSH
2557	Tax Deed	06 12 1865	Sheriff Village of Consecon (Estate of Archibald Marsh)	John BYERS
1703	Deed	14 01 1867	John Byers	William GRAHAM
66	Deed	01 08 1874	William Graham	William HENDERSON
128	Deed	21 02 1876	William Henderson	George D. WELLS
129	Deed	21 02 1878	George D. Wells	William A. HUYOKE

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project # 20170615033
Address: 81 Main Street, Consecon
Legal Description: Lot 167 Plan 3 Consecon Hillier

Searched at: Picton
LRO #: 47

PIN# 55021-0102 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
520	Deed	14 11 1902	William Huyoke - Estate	John D. CHAN
557	Deed	26 12 1906	John Chan	Frederick S. WEEKS
594	Deed	10 03 1908	Frederick S. Weeks	David ALEXANDER
674	Deed	09 05 1910	David Alexander	James M. McCONKEY
629	Deed	27 08 1910	James M. McConkey	Hugh BAXTER
693	Deed	18 03 1915	Hugh Baxter	Elias CLARK
99	Deed	25 03 1922	Elias Clark - Estate	Loretta SNIDER
37	Deed	15 02 1924	Loretta Snider	Lela MORELAND
15	Deed	18 10 1934	Lela Durant (Formerly Moreland)	Charlotte VANWART

Cont'd on Page 3

CHAIN OF TITLE REPORT

Project # 20170615033
Address: 81 Main Street, Consecon
Legal Description: Lot 167 Plan 3 Consecon Hillier

PIN# 55021-0102 (LT)

Searched at: Picton
LRO #: 47

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
30	Deed	20 07 1962	Charlotte Vanwart	William VANWART & Isabella VANWART
17	Deed	10 06 1964	William Vanwart & Isabella Vanwart	Edward VIENSTRA
PE39804	Tax Deed **(Present Owner)**	08 07 1968	County of Prince Edward (Edward Vienstra defaulted in taxes)	**Township of Hillier**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #47

55021-0102 (LT)

PREPARED FOR Bertucci
ON 2017/06/14 AT 17:12:05

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

PROPERTY DESCRIPTION: LT 167 PL 3 CONSECON HILLIER; PRINCE EDWARD

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

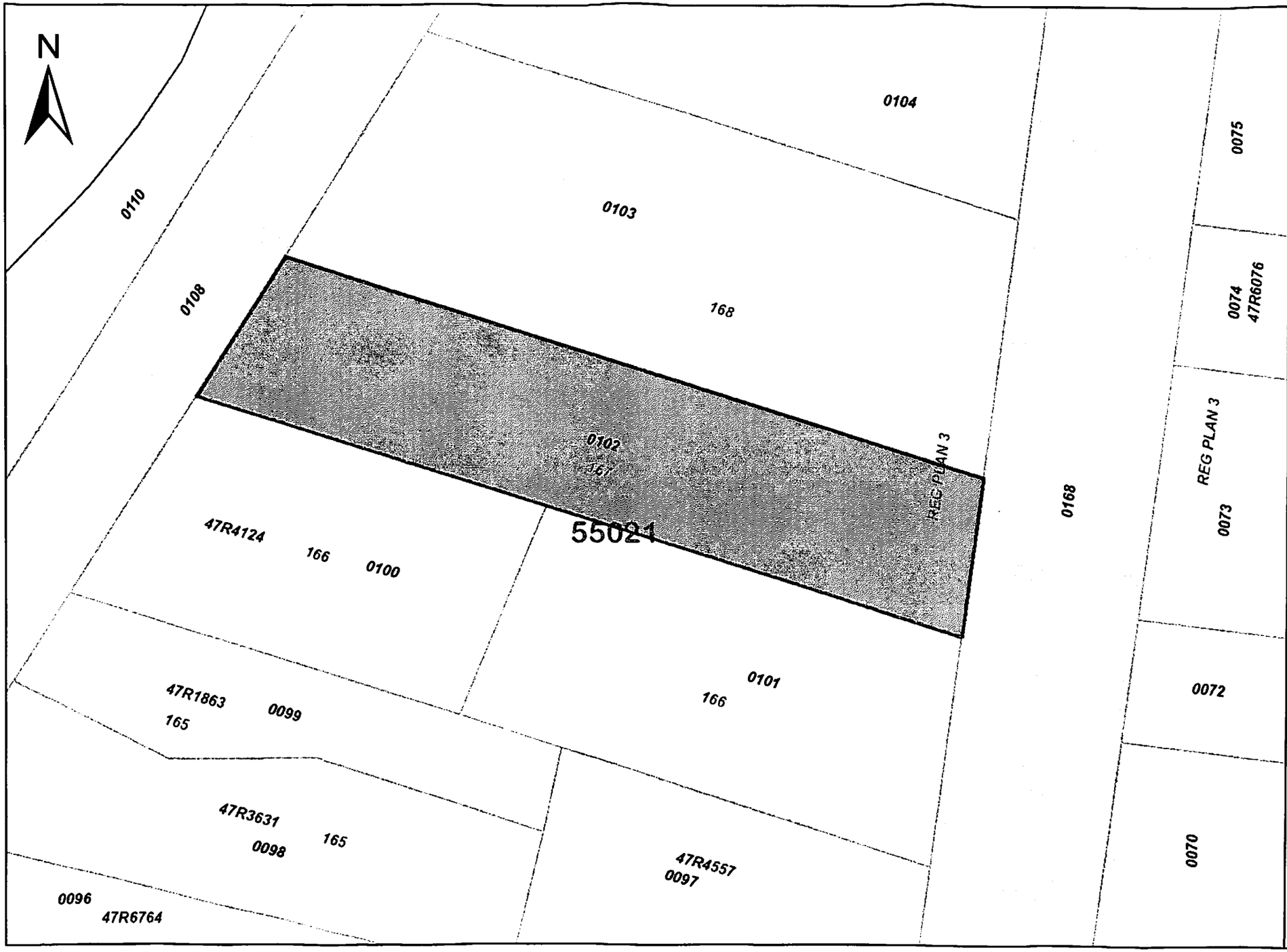
PIN CREATION DATE:
2007/08/20

OWNERS' NAMES
TOWNSHIP OF HILLIER

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2007/08/17 **						
**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: 2007/08/20 **						
CSPL3	1886/09/03	PLAN SUBDIVISION				C
PE39804	1968/07/08	TRANSFER	$160		TOWNSHIP OF HILLIER	C
REMARKS: TAX DEED						

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.



ServiceOntario

PRINTED ON 14 JUN, 2017 AT 17:13:40
FOR BERTUCCI

SCALE

0 20 meters

PROPERTY INDEX MAP

PRINCEEDWARD(No. 47)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

APPENDIX F

EcoLog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*205037* *81 Consecon Main St* *Prince Edward County ON K0K1L0*
Project No:	
Report Type:	*Standard Report*
Order No:	*20170710026*
Requested by:	*Pinchin Ltd*
Date Completed:	*July 13, 2017*

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

www.erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property: *205037*
81 Consecon Main St Prince Edward County ON K0K1L0

Project No:

Coordinates:

Latitude:	*43.994261*
Longitude:	*-77.520599*
UTM Northing:	*4,874,324.32*
UTM Easting:	*297,891.38*
UTM Zone:	*UTM Zone 18T*

Elevation: *258 FT*
78.72 M

Order Information:

Order No: *20170710026*
Date Requested: *July 10, 2017*
Requested by: *Pinchin Ltd*
Report Type: *Standard Report*

Historical/Products:

Insurance Products *Fire Insurance Maps/Inspection Reports/Site Specific Plans*
Insurance Products *Fire Insurance Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	0	0
CA	*Certificates of Approval*	Y	0	3	3
CFOT	*Commercial Fuel Oil Tanks*	Y	0	0	0
CHEM	*Chemical Register*	Y	0	0	0
CNG	*Compressed Natural Gas Stations*	Y	0	0	0
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	Y	0	0	0
CONV	*Compliance and Convictions*	Y	0	0	0
CPU	*Certificates of Property Use*	Y	0	0	0
DRL	*Drill Hole Database*	Y	0	0	0
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	1	1
ECA	*Environmental Compliance Approval*	Y	0	0	0
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	1	1
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EXP	*List of TSSA Expired Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	0	0
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0
INC	*TSSA Incidents*	Y	0	1	1
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

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA 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	1	1
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	TSSA 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	43	43
	Total:	0	50	50	

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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 124 con 4 ON	SE/81.9	0.80	17
2	WWIS		lot 107 con 5 ON	ESE/86.6	0.46	19
3	CA	1059951 Ontario Limited	9 Division Blvd Prince Edward ON	WSW/92.8	-0.46	20
3	CA	1059951 Ontario Limited	9 Division Blvd Prince Edward ON	WSW/92.8	-0.46	21
3	EBR	1059951 Ontario Limited	9 Division Boulevard Prince Edward ON	WSW/92.8	-0.46	21
3	SPL	S 21(1)(f) of FIPPA	9 Division Blvd. Consecon Prince Edward ON	WSW/92.8	-0.46	21
4	WWIS		lot 107 con 5 ON	ESE/100.1	0.37	21
5	WWIS		lot 107 con 4 ON	NW/105.0	-1.70	23
6	WWIS		lot 107 con 4 ON	S/113.8	2.17	26
7	WWIS		lot 107 con 4 ON	NNW/128.8	-0.68	28
8	WWIS		lot 107 con 4 ON	NNW/128.8	-1.07	29
9	WWIS		lot 107 con 4 ON	NNW/130.2	-0.95	31
10	WWIS		lot 107 con 5 ON	S/135.5	2.62	33
11	WWIS		lot 107 con 4 ON	NW/141.2	-1.54	35
12	WWIS		lot 1 ON	WSW/141.3	-0.86	36
13	WWIS		lot 107 con 4 ON	NNE/143.9	0.21	38
14	WWIS		lot 117 con 4 ON	NNE/146.9	0.02	40
15	WWIS		CONSECON ON	S/149.3	3.39	42
16	WWIS		lot 107 con 5 ON	SE/150.0	0.38	44
17	WWIS		lot 107 con 4 ON	NW/152.7	-1.56	46
18	WWIS		lot C ON	NE/153.7	-0.01	48
19	CA	GROUNDTRAX INC.	3 STORE STREET, CONSECON AMELIASBURGH TWP. ON	WNW/154.8	-1.63	50
20	WWIS		lot 1 ON	SSW/158.3	2.01	51

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	WWIS		lot 107 con 5 ON	ESE/159.5	-0.44	52
22	WWIS		lot 107 con 4 ON	W/160.1	-2.11	54
23	WWIS		lot 144 con 3 ON	S/165.6	3.94	56
24	INC		51 MAIN STREET, CONSECON ON	S/166.1	3.61	58
25	WWIS		lot 107 con 5 ON	SSW/166.2	3.18	59
26	WWIS		lot 107 con 4 ON	WNW/169.2	-2.09	60
27	WWIS		lot 107 con 4 ON	NW/169.3	-0.92	62
28	WWIS		lot 107 con 5 ON	E/176.9	1.12	64
29	WWIS		lot 107 con 4 ON	WNW/184.2	-1.13	66
30	EHS		202 County Rd 29 Consecon ON	N/192.8	0.42	69
31	WWIS		lot 107 con 5 ON	SSW/193.4	2.89	69
32	WWIS		lot 107 con 4 ON	NNW/196.0	-0.63	71
33	WWIS		lot 107 con 4 ON	N/200.6	0.44	73
34	WWIS		CONSECON ON	SSE/211.8	2.28	75
35	WWIS		lot 107 con 4 ON	WNW/216.8	-2.20	81
36	WWIS		lot 107 con 4 ON	NNW/218.5	0.06	83
37	WWIS		lot 107 con 5 ON	SSW/222.1	3.08	85
38	WWIS		lot 107 con 4 ON	NNW/222.5	0.68	87
39	WWIS		lot 107 con 4 ON	NNW/228.7	0.56	89
40	WWIS		lot 107 con 4 ON	NNW/231.6	0.93	91
41	WWIS		lot 107 con 4 ON	N/237.7	1.29	93
42	WWIS		lot 107 con 5 ON	S/239.8	3.13	96
43	WWIS		lot 107 con 4 ON	NNW/240.5	1.05	97
44	WWIS		lot 1 ON	SW/240.5	0.70	99
45	WWIS		lot 107 con 5 ON	S/244.0	3.18	101
46	WWIS		lot 107 con 5 ON	SSW/244.6	2.83	103

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
47	WWIS		lot 107 con 4 ON	NNW/250.4	0.75	105

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
1059951 Ontario Limited	9 Division Blvd Prince Edward ON	WSW	92.78	3
1059951 Ontario Limited	9 Division Blvd Prince Edward ON	WSW	92.78	3
GROUNDTRAX INC.	3 STORE STREET, CONSECON AMELIASBURGH TWP. ON	WNW	154.79	19

EBR - Environmental Registry

A search of the EBR database, dated 1994-Jun2017 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
1059951 Ontario Limited	9 Division Boulevard Prince Edward ON	WSW	92.78	3

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	202 County Rd 29 Consecon ON	N	192.78	30

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	51 MAIN STREET, CONSECON ON	S	166.10	24

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2017 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key

S 21(1)(f) of FIPPA	9 Division Blvd. Consecon Prince Edward ON	WSW	92.78	3

WWIS - Water Well Information System

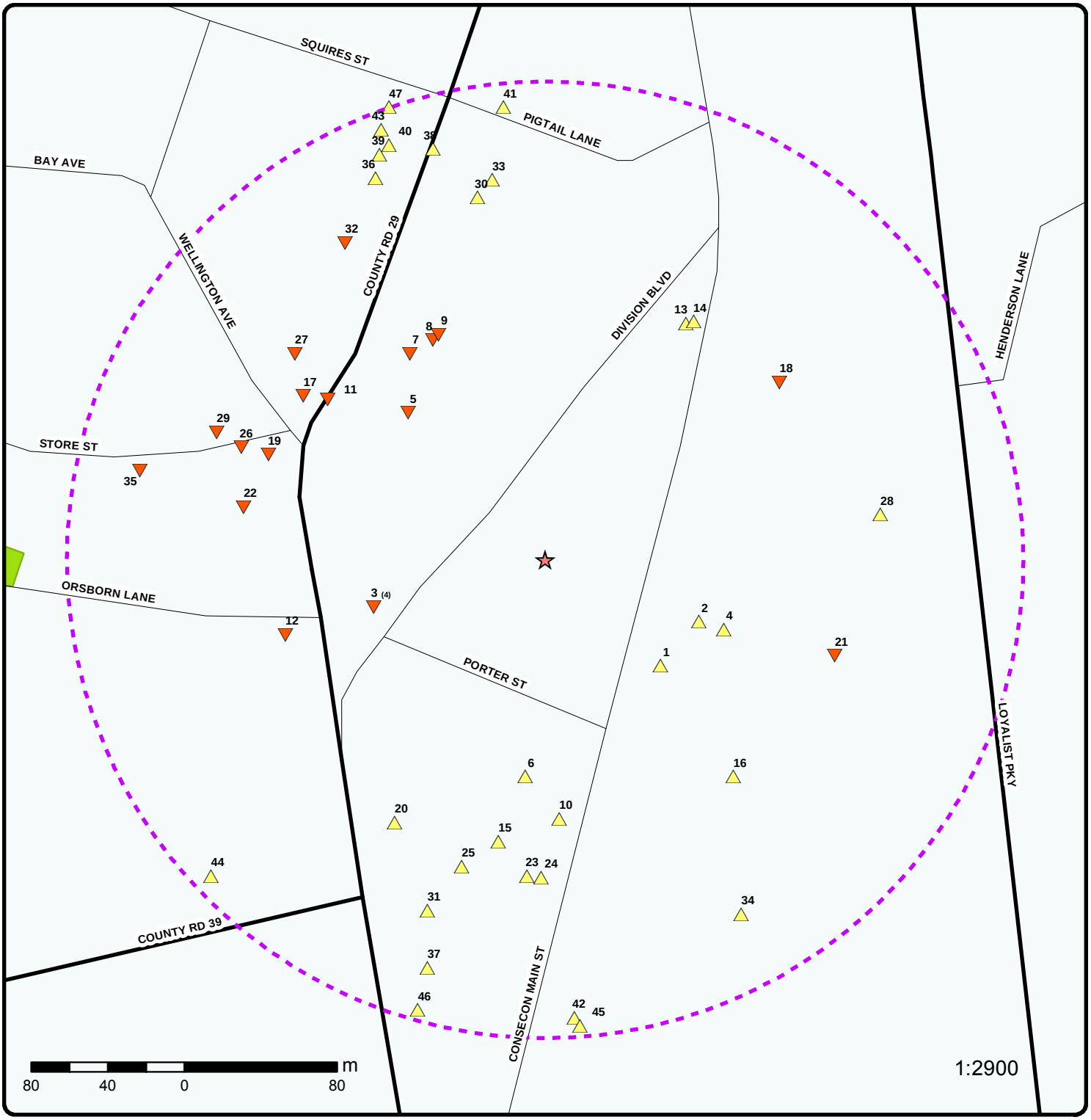
A search of the WWIS database, dated Jun 30, 2016 has found that there are 43 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 124 con 4 ON	SE	81.85	1
	lot 107 con 5 ON	ESE	86.58	2
	lot 107 con 5 ON	ESE	100.14	4
	lot 107 con 4 ON	S	113.80	6
	lot 107 con 5 ON	S	135.52	10
	lot 107 con 4 ON	NNE	143.93	13
	lot 117 con 4 ON	NNE	146.87	14
	CONSECON ON	S	149.33	15
	lot 107 con 5 ON	SE	150.03	16
	lot 1 ON	SSW	158.27	20
	lot 144 con 3 ON	S	165.59	23
	lot 107 con 5 ON	SSW	166.17	25
	lot 107 con 5 ON	E	176.92	28
	lot 107 con 5 ON	SSW	193.42	31
	lot 107 con 4 ON	N	200.59	33
	CONSECON ON	SSE	211.84	34
	lot 107 con 4 ON	NNW	218.48	36
	lot 107 con 5 ON	SSW	222.06	37
	lot 107 con 4 ON	NNW	222.55	38
	lot 107 con 4 ON	NNW	228.73	39

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 107 con 4 ON	NNW	231.56	40
	lot 107 con 4 ON	N	237.67	41
	lot 107 con 5 ON	S	239.81	42
	lot 107 con 4 ON	NNW	240.46	43
	lot 1 ON	SW	240.51	44
	lot 107 con 5 ON	S	244.01	45
	lot 107 con 5 ON	SSW	244.59	46
	lot 107 con 4 ON	NNW	250.37	47

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 107 con 4 ON	NW	104.96	5
	lot 107 con 4 ON	NNW	128.80	7
	lot 107 con 4 ON	NNW	128.81	8
	lot 107 con 4 ON	NNW	130.18	9
	lot 107 con 4 ON	NW	141.15	11
	lot 1 ON	WSW	141.26	12
	lot 107 con 4 ON	NW	152.68	17
	lot C ON	NE	153.71	18
	lot 107 con 5 ON	ESE	159.47	21
	lot 107 con 4 ON	W	160.09	22
	lot 107 con 4 ON	WNW	169.18	26
	lot 107 con 4 ON	NW	169.32	27
	lot 107 con 4 ON	WNW	184.17	29
	lot 107 con 4 ON	NNW	195.97	32

lot 107 con 4 ON	WNW	216.76	**35**



Map : 0.25 Kilometer Radius

Order No: 20170710026

Address: 81 Consecon Main St, Prince Edward County, ON, K0K1L0

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

Aerial

Order No: 20170710026

Address: 81 Consecon Main St, Prince Edward County, ON, K0K1L0

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Source: ESRI World Imagery

Topographic Map

Order No: 20170710026

Address: 81 Consecon Main St, Prince Edward County, ON, K0K1L0

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	SE/81.9	79.5	lot 124 con 4 ON	WWIS

Well ID: 5304540
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Specific Capacity:
Municipality: HILLIER TOWNSHIP
County: PRINCE EDWARD

Lot: 124
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

--	--
Bore Hole ID:	10354795
DP2BR:	1
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	03-JUL-86
Remarks:	
Zone:	18
East 83:	297951.7
North 83:	4874269
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	topo
Org CS:	
Elevation:	79.3
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932177914
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	932177915
Layer:	2
General Color:	GREY
Most Common Material:	SHALE
Other Materials:	

Other Materials:	
Formation Top Depth:	1
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932177916
Layer:	3
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	54
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965304540
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10903365
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930584305
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930584306
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	54
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995304540
Pump Set At:	
Static Level:	10
Final Level After Pumping:	54
Recommended Pump Depth:	50
Pumping Rate:	0
Flowing Rate:	
Recommended Pump Rate:	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:	N
--	--
Water Details	
--	--
Water ID:	933830733
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	12
Water Found Depth UOM:	ft
--	--
--	--

---

2 **1 of 1** **ESE/86.6** **79.2** **lot 107 con 5 ON** **WWIS**

Well ID:	5301372	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:		**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10351662
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	11-OCT-60
Remarks:	
Zone:	18
East 83:	297971.7
North 83:	4874292
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	78.92
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170150
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--

Formation ID:	932170151
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	55
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301372
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900232
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578606
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	4
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578607
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	55
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--

3	***1 of 4***	***WSW/92.8***	***78.3***	***1059951 Ontario Limited*** ***9 Division Blvd*** ***Prince Edward ON***	***CA***

Certificate #:	4538-8KZHXM
Application Year:	2011
Issue Date:	10/14/2011
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	2 of 4	WSW/92.8	78.3	1059951 Ontario Limited 9 Division Blvd Prince Edward ON	CA

Certificate #: 4538-8KZHXM
Application Year: 2011
Issue Date: 10/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	3 of 4	WSW/92.8	78.3	1059951 Ontario Limited 9 Division Boulevard Prince Edward ON	EBR

Company Name:
Year: 2011
Notice Type: Instrument Proposal
EBR Registry No.: 011-4171
Instrument Type: (OWRA s. 53(1)) - Approval for sewage works
Proposal Date: July 19, 2011
Ministry Ref. No.: 3003-8HCG2Y
Location: 9 Division Boulevard Prince Edward K0K 1T0
Proponent Address: 2514 County Road Unit 3 Trent Hills Ontario Canada K0K 1L0
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	4 of 4	WSW/92.8	78.3	S 21(1)(f) of FIPPA 9 Division Blvd. Consecon Prince Edward ON	SPL

Ref No: 5153-7WLSWN
Contaminant Code: 99
Contaminant Name: MOLASSES
Contaminant Quantity: 0 other - see incident description
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Unknown - Reason not determined
Incident Summary: Consecon: Dark Liquid Molasses in creek unknown
MOE Reported Dt: 10/7/2009
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	1 of 1	ESE/100.1	79.1	lot 107 con 5 ON	WWIS

Well ID: 5301374 **Lot:** 107

Construction Date:		***Concession:***	05
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	HILLIER TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10351664
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	15-OCT-60
Remarks:	
Zone:	18
East 83:	297984.7
North 83:	4874288
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	78.76
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932170154
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932170155
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	26
Formation End Depth UOM:	ft
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	965301374
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--

Pipe Information

--	--
Pipe ID:	10900234
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578610
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578611
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	26
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995301374
Pump Set At:	
Static Level:	7
Final Level After Pumping:	18
Recommended Pump Depth:	12
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	4
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933827701
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	13
Water Found Depth UOM:	ft
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	1 of 1	NW/105.0	77.0	lot 107 con 4 ON	WWIS

Well ID:	5302915	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Commerical	**Concession Name:**	CON
Sec. Water Use:	Domestic	**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	

Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10353195
DP2BR:	5
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	29-MAR-74
Remarks:	
Zone:	18
East 83:	297819.7
North 83:	4874401
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	76.9
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932173558
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932173559
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	35
Formation End Depth UOM:	ft
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	965302915
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	
--	--

Pipe Information

--	--
Pipe ID:	10901765
Casing Number:	1
Comment:	
Alt Name:	

--	--
Construction Record - Casing	
--	--
Casing ID:	930581395
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	6
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930581396
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	35
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302915
Pump Set At:	
Static Level:	4
Final Level After Pumping:	35
Recommended Pump Depth:	32
Pumping Rate:	1
Flowing Rate:	
Recommended Pump Rate:	1
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:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934278476
Pump Test ID:	995302915
Test Type:	Recovery
Test Duration:	15
Test Level:	30
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934549148
Pump Test ID:	995302915
Test Type:	Recovery
Test Duration:	30
Test Level:	25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934804327
Pump Test ID:	995302915
Test Type:	Recovery
Test Duration:	45
Test Level:	20
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935067099
Pump Test ID:	995302915
Test Type:	Recovery

Test Duration:	60
Test Level:	15
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933829082
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	7
Water Found Depth UOM:	ft
--	--
Water ID:	933829083
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	10
Water Found Depth UOM:	ft
--	--
--	--

6 | **1 of 1** | **S/113.8** | **80.9** | **lot 107 con 4 ON** | **WWIS**

Well ID:	5304229	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10354485
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	28-JUL-83
Remarks:	
Zone:	18
East 83:	297881
North 83:	4874211
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	
Org CS:	N83
Elevation:	80.24
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method:	GIS10000
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.
Spatial Status:	Improved
--	--
Overburden and Bedrock Materials Interval	
--	--

Formation ID:	932176955
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft
--	--
Formation ID:	932176956
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932176957
Layer:	3
General Color:	GREY
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	7
Formation End Depth UOM:	ft
--	--
Formation ID:	932176958
Layer:	4
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	33
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965304229
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10903055
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930583750
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--

Casing ID:	930583751
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	33
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995304229
Pump Set At:	
Static Level:	6
Final Level After Pumping:	30
Recommended Pump Depth:	31
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	4
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:	N
--	--
Water Details	
--	--
Water ID:	933830408
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	6
Water Found Depth UOM:	ft
--	--
--	--

7 ***1 of 1*** ***NNW/128.8*** ***78.0*** ***lot 107 con 4 ON*** ***WWIS***

Well ID:	5300543	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:		***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Abandoned-Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10350833
DP2BR:	0
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	07-NOV-61
Remarks:	
Zone:	18
East 83:	297820.7
North 83:	4874432
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m

Location Method:	p5
Org CS:	
Elevation:	77.47
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168389
Layer:	1
General Color:	
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	110
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300543
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899403
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577019
Layer:	1
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--

8 ***1 of 1*** ***NNW/128.8*** ***77.7*** ***lot 107 con 4 ON*** ***WWIS***

Well ID:	5300536	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10350826
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	19-AUG-60
Remarks:	
Zone:	18
East 83:	297832.7
North 83:	4874439
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	77.3
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168375
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932168376
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	45
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300536
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899396
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--

Casing ID:	930577006
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930577007
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	45
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300536
Pump Set At:	
Static Level:	12
Final Level After Pumping:	45
Recommended Pump Depth:	24
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	2
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:	N
--	--
Water Details	
--	--
Water ID:	933826951
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	25
Water Found Depth UOM:	ft
--	--
--	--

9 **1 of 1** **NNW/130.2** **77.8** **lot 107 con 4 ON** **WWIS**

Well ID:	5300547	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10350837
DP2BR:	5
Code OB:	r

Code OB Description:	Bedrock
Open Hole:	
Date Completed:	18-NOV-64
Remarks:	
Zone:	18
East 83:	297835.7
North 83:	4874442
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	77.3
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168396
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932168397
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	60
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300547
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899407
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577025
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5

Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930577026
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300547
Pump Set At:	
Static Level:	8
Final Level After Pumping:	40
Recommended Pump Depth:	57
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
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:	N
--	--
Water Details	
--	--
Water ID:	933826959
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55
Water Found Depth UOM:	ft
--	--
--	--

10 | ***1 of 1*** | ***S/135.5*** | ***81.3*** | ***lot 107 con 5 ON*** | ***WWIS***

Well ID:	5301427	***Lot:***	107
Construction Date:		***Concession:***	05
Primary Water Use:		***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Abandoned-Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	HILLIER TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10351717
DP2BR:	5
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	13-SEP-66
Remarks:	
Zone:	18

East 83:	297898.7
North 83:	4874189
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	80.6
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170272
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932170273
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	80
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301427
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900287
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578713
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578714

Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	80
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--

11 | **1 of 1** | **NW/141.2** | **77.2** | **lot 107 con 4 ON** | **WWIS**

Well ID:	5300541	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:		**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10350831
DP2BR:	6
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	03-NOV-61
Remarks:	
Zone:	18
East 83:	297777.7
North 83:	4874408
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	77.94
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932168385
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft
--	--
Formation ID:	932168386
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE

Other Materials:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	72
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300541
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899401
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577016
Layer:	1
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--

12 | ***1 of 1*** | ***WSW/141.3*** | ***77.9*** | ***lot 1 ON*** | ***WWIS***

Well ID:	5301379	**Lot:**	001
Construction Date:		**Concession:**	
Primary Water Use:	Domestic	**Concession Name:**	SB
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10351669
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	26-OCT-60
Remarks:	
Zone:	18
East 83:	297755.7
North 83:	4874285
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	79.36
Elevrc:	
Elevrc Description:	

Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170166
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932170167
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	55
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301379
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900239
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578620
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	4
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578621
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	55
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	

--	--
Pump Test ID:	995301379
Pump Set At:	
Static Level:	20
Final Level After Pumping:	55
Recommended Pump Depth:	
Pumping Rate:	0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933827704
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	43
Water Found Depth UOM:	ft
--	--
--	--

13 | ***1 of 1*** | ***NNE/143.9*** | ***78.9*** | ***lot 107 con 4 ON*** | ***WWIS***

Well ID:	5304141	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10354397
DP2BR:	2
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	02-JUN-82
Remarks:	
Zone:	18
East 83:	297965
North 83:	4874448
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	
Org CS:	N83
Elevation:	78.15
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method:	GIS10000
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a

scale of 1:10000.
Spatial Status: Improved
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 932176679
Layer: 1
General Color: BROWN
Most Common Material: CLAY
Other Materials:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft
-- --
Formation ID: 932176680
Layer: 2
General Color: GREY
Most Common Material: LIMESTONE
Other Materials: SHALE
Other Materials:
Formation Top Depth: 2
Formation End Depth: 6
Formation End Depth UOM: ft
-- --
Formation ID: 932176681
Layer: 3
General Color: GREY
Most Common Material: LIMESTONE
Other Materials: LAYERED
Other Materials:
Formation Top Depth: 6
Formation End Depth: 76
Formation End Depth UOM: ft
-- --
Method of Construction & Well Use
-- --
Method Construction ID: 965304141
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:
-- --
Pipe Information
-- --
Pipe ID: 10902967
Casing Number: 1
Comment:
Alt Name:
-- --
Construction Record - Casing
-- --
Casing ID: 930583588
Layer: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 11
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft
-- --
Casing ID: 930583589
Layer: 2
Open Hole or Material: OPEN HOLE
Depth From:

Depth To:	76
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995304141
Pump Set At:	
Static Level:	15
Final Level After Pumping:	75
Recommended Pump Depth:	
Pumping Rate:	1
Flowing Rate:	
Recommended Pump Rate:	1
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:	15
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933830312
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	48
Water Found Depth UOM:	ft
--	--
--	--

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14 | ***1 of 1*** | ***NNE/146.9*** | ***78.7*** | ***lot 117 con 4 ON*** | ***WWIS***

Well ID:	5304140	**Lot:**	117
Construction Date:		**Concession:**	04
Primary Water Use:	Not Used	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Other	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10354396
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	25-MAY-82
Remarks:	
Zone:	18
East 83:	297969
North 83:	4874449
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	
Org CS:	N83
Elevation:	78.04
Elevrc:	

Elevrc Description:	
Location Source Date:	
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method:	GIS10000
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.
Spatial Status:	Improved
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932176676
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932176677
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	SHALE
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	6
Formation End Depth UOM:	ft
--	--
Formation ID:	932176678
Layer:	3
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	SOFT
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	73
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965304140
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10902966
Casing Number:	1
Comment:	
Alt Name:	
Well Yield Testing	
--	--
Pump Test ID:	995304140
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:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933830311
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	
Water Found Depth UOM:	ft
--	--
--	--

15 **1 of 1** **S/149.3** **82.1** **CONSECON ON** **WWIS**

Well ID:	7176048	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Other	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	1003641638
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	16-SEP-11
Remarks:	
Zone:	18
East 83:	297867
North 83:	4874177
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1004176876
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY

Other Materials:	FILL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	m
--	--
Formation ID:	1004176877
Layer:	2
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	2.95
Formation End Depth UOM:	m
--	--
Formation ID:	1004176878
Layer:	3
General Color:	
Most Common Material:	GRAVEL
Other Materials:	
Other Materials:	
Formation Top Depth:	2.95
Formation End Depth:	3.45
Formation End Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004176883
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004176875
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004176881
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004176882
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	
--	--
Water Details	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--	--
Water ID:	1004176880
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	3.04
Water Found Depth UOM:	m
--	--
Hole Diameter	
--	--
Hole ID:	1004176879
Diameter:	60.96
Depth From:	0
Depth To:	3.45
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

16 | **1 of 1** | **SE/150.0** | **79.1** | **lot 107 con 5 ON** | **WWIS**

Well ID:	5302013	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10352301
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	14-MAY-69
Remarks:	
Zone:	18
East 83:	297989.7
North 83:	4874211
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	79.57
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932171527
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	GRAVEL

Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932171528
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	62
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965302013
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900871
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930579839
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	4
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930579840
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	62
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302013
Pump Set At:	
Static Level:	12
Final Level After Pumping:	62
Recommended Pump Depth:	59
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0

Pumping Duration MIN:	8
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934276190
Pump Test ID:	995302013
Test Type:	Recovery
Test Duration:	15
Test Level:	52
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934546874
Pump Test ID:	995302013
Test Type:	Recovery
Test Duration:	30
Test Level:	42
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934802086
Pump Test ID:	995302013
Test Type:	Recovery
Test Duration:	45
Test Level:	35
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935064851
Pump Test ID:	995302013
Test Type:	Recovery
Test Duration:	60
Test Level:	29
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828262
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48
Water Found Depth UOM:	ft
--	--
--	--

17 | **1 of 1** | **NW/152.7** | **77.2** | **lot 107 con 4 ON** | **WWIS**

Well ID:	5305333	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10355574
DP2BR:	5
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	25-APR-90

Remarks:	
Zone:	18
East 83:	297765
North 83:	4874410
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	
Org CS:	N83
Elevation:	77.94
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method:	GIS10000
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.
Spatial Status:	Improved
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932180290
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	STONES
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932180291
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	104
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965305333
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10904144
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930585707
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	6
Casing Diameter UOM:	inch

Casing Depth UOM:	ft
--	--
Casing ID:	930585708
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	104
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995305333
Pump Set At:	
Static Level:	8
Final Level After Pumping:	102
Recommended Pump Depth:	60
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	1
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:	N
--	--
Water Details	
--	--
Water ID:	933831523
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	95
Water Found Depth UOM:	ft
--	--
--	--

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18 | ***1 of 1*** | ***NE/153.7*** | ***78.7*** | ***lot C ON*** | ***WWIS***

Well ID:	5304472	**Lot:**	C
Construction Date:		**Concession:**	
Primary Water Use:	Domestic	**Concession Name:**	SB
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10354728
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	04-SEP-85
Remarks:	
Zone:	18
East 83:	298014
North 83:	4874417

UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	
Org CS:	N83
Elevation:	78.9
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	Northing and/or Easting field has been changed. Well is in right location according to sketch map (no con / lot).
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method:	GIS10000
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.
Spatial Status:	Improved
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932177696
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932177697
Layer:	2
General Color:	
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	32
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965304472
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10903298
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930584181
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--

Pump Test ID:	995304472
Pump Set At:	
Static Level:	14
Final Level After Pumping:	25
Recommended Pump Depth:	30
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934273624
Pump Test ID:	995304472
Test Type:	
Test Duration:	15
Test Level:	14
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934544846
Pump Test ID:	995304472
Test Type:	
Test Duration:	30
Test Level:	14
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934805727
Pump Test ID:	995304472
Test Type:	
Test Duration:	45
Test Level:	14
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935062243
Pump Test ID:	995304472
Test Type:	
Test Duration:	60
Test Level:	14
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933830660
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	16
Water Found Depth UOM:	ft
--	--
--	--

19	***1 of 1***	***WNW/154.8***	***77.1***	***GROUNDTRAX INC.*** ***3 STORE STREET, CONSECON*** ***AMELIASBURGH TWP. ON***	***CA***

Certificate #:	4-0110-96-
Application Year:	96

Issue Date:	11/4/1996
Approval Type:	Industrial wastewater
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	SPILL OF 908L OF HOME HEATING OIL
Contaminants::	
Emission Control::	

20	1 of 1	SSW/158.3	80.7	lot 1 ON	WWIS

Well ID:	5301441	**Lot:**	001
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	SB
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10351731
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	01-AUG-53
Remarks:	
Zone:	18
East 83:	297812.7
North 83:	4874187
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	80.69
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170300
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	TOPSOIL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932170301

Layer:	2
General Color:	
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	90
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301441
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900301
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578741
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	4
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578742
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--

21 | ***1 of 1*** | ***ESE/159.5*** | ***78.3*** | ***lot 107 con 5 ON*** | ***WWIS***

Well ID:	5301373	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10351663
DP2BR:	2
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	

Date Completed:	14-OCT-60
Remarks:	
Zone:	18
East 83:	298042.7
North 83:	4874274
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	78.25
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170152
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft
--	--
Formation ID:	932170153
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	50
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301373
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900233
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578608
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	4
Casing Diameter:	6
Casing Diameter UOM:	inch

Casing Depth UOM:	ft
--	--
Casing ID:	930578609
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995301373
Pump Set At:	
Static Level:	6
Final Level After Pumping:	50
Recommended Pump Depth:	40
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933827700
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45
Water Found Depth UOM:	ft
--	--
--	--

22	***1 of 1***	***W/160.1***	***76.6***	***lot 107 con 4 ON***	***WWIS***

Well ID:	5300529	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10350819
DP2BR:	0
Code OB:	h
Code OB Description:	Mixed in a Layer
Open Hole:	
Date Completed:	15-AUG-52
Remarks:	
Zone:	18
East 83:	297733.7
North 83:	4874352

UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	76.22
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168361
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	SHALE
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932168362
Layer:	2
General Color:	
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	67
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300529
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899389
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930576993
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930576994
Layer:	2
Open Hole or Material:	OPEN HOLE

Depth From:	
Depth To:	67
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300529
Pump Set At:	
Static Level:	20
Final Level After Pumping:	67
Recommended Pump Depth:	
Pumping Rate:	0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933826945
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft
--	--
--	--

23	1 of 1	S/165.6	82.7	lot 144 con 3 ON	WWIS

Well ID:	5306090	**Lot:**	144
Construction Date:		**Concession:**	03
Primary Water Use:	Not Used	**Concession Name:**	SB
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:		**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10356321
DP2BR:	7
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	11-OCT-94
Remarks:	
Zone:	18
East 83:	297882
North 83:	4874159
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	
Org CS:	N83
Elevation:	81.09

Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	Northing and/or Easting field has been changed. Well in same location as sketch map; conflicts with recorded con/lot.one direction estimated. another assigned to mid. of matched structure.
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method:	GIS10000
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.
Spatial Status:	Improved
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932182470
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	SOFT
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932182471
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	STONES
Other Materials:	DENSE
Formation Top Depth:	3
Formation End Depth:	7
Formation End Depth UOM:	ft
--	--
Formation ID:	932182472
Layer:	3
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	HARD
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	150
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965306090
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10904891
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930586950
Layer:	1
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	150

Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
24	1 of 1	S/166.1	82.3	51 MAIN STREET, CONSECON ON	INC

Incident No:	181026
Incident ID:	2331930
Attribute Category:	FS-Perform L1 Incident Insp
Status Code:	Causal Analysis Complete
Incident Location:	51 MAIN STREET, CONSECON - LEAK
Drainage System:	No
Sub Surface Contam.:	0
Aff. Prop. Use Water:	No
Contam. Migrated:	Yes
Contact Natural Env.:	Yes
Near Body of Water:	No
Approx. Quant. Rel.:	100 GALLONS
Equipment Model:	
Serial No:	
Residential App. Type:	
Commercial App. Type:	
Industrial App. Type:	
Institutional App. Type:	
Venting Type:	
Vent Connector Mater:	
Vent Chimney Mater:	
Pipeline Type:	
Pipeline Involved:	
Pipe Material:	
Depth Ground Cover:	
Regulator Location:	
Regulator Type:	
Operation Pressure:	
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Fuels Occurence Type:	Leak
Fuel Type Involved:	Fuel Oil
Date of Occurence:	2009/09/06 00:00:00
Time of Occurence:	NULL
Occur Insp Start Date:	2009/09/08 00:00:00
Any Health Impact:	No
Any Environmental Impact:	Yes
Was Service Interrupted:	Yes
Was Property Damaged:	Yes
Operation Type Involved:	Private Dwelling
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	2396630
Notes:	
Occurence Narrative:	NULL
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
25	1 of 1	SSW/166.2	81.9	lot 107 con 5 ON	WWIS

Well ID:	5301371	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10351661
DP2BR:	14
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	24-SEP-60
Remarks:	
Zone:	18
East 83:	297847.7
North 83:	4874164
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	80.9
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932170148
Layer:	1
General Color:	
Most Common Material:	PREVIOUSLY DUG
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft
--	--
Formation ID:	932170149
Layer:	2
General Color:	
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	41
Formation End Depth UOM:	ft
--	--

Method of Construction & Well Use

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Method Construction ID:		965301371			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		10900231			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930578604			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		14			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930578605			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		41			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		995301371			
Pump Set At:					
Static Level:		18			
Final Level After Pumping:		41			
Recommended Pump Depth:		38			
Pumping Rate:		0			
Flowing Rate:					
Recommended Pump Rate:		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:		N			
--		--			
Water Details					
--		--			
Water ID:		933827699			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		35			
Water Found Depth UOM:		ft			
--		--			
--		--			
26	***1 of 1***	***WNW/169.2***	***76.6***	***lot 107 con 4 ON***	***WWIS***

Well ID:	5300535	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10350825
DP2BR:	13
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	02-OCT-59
Remarks:	
Zone:	18
East 83:	297732.7
North 83:	4874383
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	77.42
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932168373
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft
--	--
Formation ID:	932168374
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	13
Formation End Depth:	45
Formation End Depth UOM:	ft
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	965300535
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

--	--
Pipe Information	
--	--
Pipe ID:	10899395
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577004
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	13
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930577005
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	45
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300535
Pump Set At:	
Static Level:	15
Final Level After Pumping:	45
Recommended Pump Depth:	33
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	1
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:	N
--	--
Water Details	
--	--
Water ID:	933826950
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	38
Water Found Depth UOM:	ft
--	--
--	--

27	1 of 1	NW/169.3	77.8	lot 107 con 4 ON	WWIS

Well ID:	5300542	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	

Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10350832
DP2BR:	5
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	05-NOV-61
Remarks:	
Zone:	18
East 83:	297760.7
North 83:	4874432
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	77.86
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932168387
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932168388
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	42
Formation End Depth UOM:	ft
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	965300542
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--

Pipe Information

--	--
Pipe ID:	10899402
Casing Number:	1

Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577017
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	6
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930577018
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	42
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300542
Pump Set At:	
Static Level:	5
Final Level After Pumping:	35
Recommended Pump Depth:	39
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	2
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:	N
--	--
Water Details	
--	--
Water ID:	933826956
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	38
Water Found Depth UOM:	ft
--	--
--	--

28 | ***1 of 1*** | ***E/176.9*** | ***79.8*** | ***lot 107 con 5 ON*** | ***WWIS***

Well ID:	5301375	***Lot:***	107
Construction Date:		***Concession:***	05
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	HILLIER TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10351665
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	31-OCT-60
Remarks:	
Zone:	18
East 83:	298066.7
North 83:	4874348
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	78.8
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170156
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932170157
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	48
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301375
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900235
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--

Casing ID:	930578612
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	4
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578613
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	48
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995301375
Pump Set At:	
Static Level:	12
Final Level After Pumping:	48
Recommended Pump Depth:	35
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933827702
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	35
Water Found Depth UOM:	ft
--	--
--	--

29 | ***1 of 1*** | ***WNW/184.2*** | ***77.6*** | ***lot 107 con 4 ON*** | ***WWIS***

Well ID:	5302016	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10352304
DP2BR:	7
Code OB:	r

Code OB Description:	Bedrock
Open Hole:	
Date Completed:	10-APR-69
Remarks:	
Zone:	18
East 83:	297719.7
North 83:	4874391
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	77.17
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932171534
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	7
Formation End Depth UOM:	ft
--	--
Formation ID:	932171535
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965302016
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900874
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930579845
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	7

Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930579846
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	30
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302016
Pump Set At:	
Static Level:	5
Final Level After Pumping:	30
Recommended Pump Depth:	28
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	5
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934276193
Pump Test ID:	995302016
Test Type:	Recovery
Test Duration:	15
Test Level:	15
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934546877
Pump Test ID:	995302016
Test Type:	Recovery
Test Duration:	30
Test Level:	6
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934802089
Pump Test ID:	995302016
Test Type:	Recovery
Test Duration:	45
Test Level:	5
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935064854
Pump Test ID:	995302016
Test Type:	Recovery
Test Duration:	60
Test Level:	5
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828265

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	26
Water Found Depth UOM:	ft
--	--
--	--

30 **1 of 1** **N/192.8** **79.1** **202 County Rd 29 Consecon ON** **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20081001039
Addit. Info Ordered::	
Report Date:	10/3/2008
Report Type:	Site Report
Search Radius (km):	0.25

31 **1 of 1** **SSW/193.4** **81.6** **lot 107 con 5 ON** **WWIS**

Well ID:	5302037	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10352324
DP2BR:	5
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	24-APR-69
Remarks:	
Zone:	18
East 83:	297829.7
North 83:	4874141
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	81.63
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--

Formation ID:	932171580
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932171581
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	25
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965302037
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900894
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930579884
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930579885
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	25
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302037
Pump Set At:	
Static Level:	3
Final Level After Pumping:	
Recommended Pump Depth:	22
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	4
Levels UOM:	ft

Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	2
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934276213
Pump Test ID:	995302037
Test Type:	Recovery
Test Duration:	15
Test Level:	3
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934546897
Pump Test ID:	995302037
Test Type:	Recovery
Test Duration:	30
Test Level:	3
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934802109
Pump Test ID:	995302037
Test Type:	Recovery
Test Duration:	45
Test Level:	3
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935064874
Pump Test ID:	995302037
Test Type:	Recovery
Test Duration:	60
Test Level:	3
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828286
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	8
Water Found Depth UOM:	ft
--	--
--	--

32 | ***1 of 1*** | ***NNW/196.0*** | ***78.1*** | ***lot 107 con 4 ON*** | ***WWIS***

Well ID:	5300544	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10350834

DP2BR:	9
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	07-NOV-61
Remarks:	
Zone:	18
East 83:	297786.7
North 83:	4874490
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	78.33
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168390
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft
--	--
Formation ID:	932168391
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	9
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300544
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899404
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577020
Layer:	1
Open Hole or Material:	STEEL

Depth From:	
Depth To:	10
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930577021
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	30
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300544
Pump Set At:	
Static Level:	4
Final Level After Pumping:	27
Recommended Pump Depth:	27
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	3
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:	N
--	--
Water Details	
--	--
Water ID:	933826957
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	28
Water Found Depth UOM:	ft
--	--
--	--

33 ***1 of 1*** ***N/200.6*** ***79.2*** ***lot 107 con 4 ON*** ***WWIS***

Well ID:	5300533	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10350823
DP2BR:	2
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	30-SEP-57

Remarks:	
Zone:	18
East 83:	297863.7
North 83:	4874523
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	78.8
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168369
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft
--	--
Formation ID:	932168370
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300533
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899393
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577000
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	3
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

--	--
Casing ID:	930577001
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	30
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300533
Pump Set At:	
Static Level:	8
Final Level After Pumping:	30
Recommended Pump Depth:	
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933826948
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	28
Water Found Depth UOM:	ft
--	--
--	--

34 | 1 of 1 | SSE/211.8 | 81.0 | CONSECON ON | WWIS

Well ID:	7247980	Lot:	
Construction Date:		Concession:	
Primary Water Use:	Domestic	Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Water Supply	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	HILLIER TOWNSHIP	UTM Reliability:	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	1005677032
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	29-AUG-15
Remarks:	
Zone:	18
East 83:	297994
North 83:	4874139
UTMRC:	4

UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005742316
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft
--	--
Formation ID:	1005742317
Layer:	2
General Color:	BROWN
Most Common Material:	STONES
Other Materials:	SAND
Other Materials:	LAYERED
Formation Top Depth:	2
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	1005742318
Layer:	3
General Color:	BROWN
Most Common Material:	SHALE
Other Materials:	
Other Materials:	POROUS
Formation Top Depth:	4
Formation End Depth:	10
Formation End Depth UOM:	ft
--	--
Formation ID:	1005742319
Layer:	4
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	HARD
Formation Top Depth:	10
Formation End Depth:	35
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005742353
Layer:	1
Plug From:	0
Plug To:	10
Plug Depth UOM:	ft
--	--
Method of Construction & Well	

Use	
--	--
Method Construction ID:	1005742352
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005742314
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005742323
Layer:	1
Open Hole or Material:	STEEL
Depth From:	0
Depth To:	10
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005742324
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Well Yield Testing	
--	--
Pump Test ID:	1005742315
Pump Set At:	30
Static Level:	5
Final Level After Pumping:	
Recommended Pump Depth:	30
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	1005742325
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	1
Test Level:	8
Test Level UOM:	ft
--	--

Pump Test Detail ID:	1005742326
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	1
Test Level:	12
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742327
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	2
Test Level:	10
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742328
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	2
Test Level:	10
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742329
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	3
Test Level:	11.167
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742330
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	3
Test Level:	9.5
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742331
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	4
Test Level:	11.521
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742332
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	4
Test Level:	9
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742333
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	5
Test Level:	12
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742334
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	5
Test Level:	8.583
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742335
Pump Test ID:	1005742315
Test Type:	Draw Down

Test Duration:	10
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742336
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	10
Test Level:	7.583
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742337
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	15
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742338
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	15
Test Level:	7
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742339
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	20
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742340
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	20
Test Level:	6.417
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742341
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	25
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742342
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	25
Test Level:	6
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742343
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	30
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742344
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	30
Test Level:	5
Test Level UOM:	ft

--	--
Pump Test Detail ID:	1005742345
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	40
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742346
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	40
Test Level:	5
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742347
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	50
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742348
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	50
Test Level:	5
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742349
Pump Test ID:	1005742315
Test Type:	Draw Down
Test Duration:	60
Test Level:	13.25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	1005742350
Pump Test ID:	1005742315
Test Type:	Recovery
Test Duration:	60
Test Level:	5
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	1005742322
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	14
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1005742320
Diameter:	8.625
Depth From:	0
Depth To:	10
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
Hole ID:	1005742321
Diameter:	6.25
Depth From:	10
Depth To:	35

Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

35 **1 of 1** **WNW/216.8** **76.5** **lot 107 con 4 ON** **WWIS**

Well ID:	5302103	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10352390
DP2BR:	5
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	26-NOV-69
Remarks:	
Zone:	18
East 83:	297679.7
North 83:	4874371
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	76.31
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932171730
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932171731
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	35
Formation End Depth UOM:	ft

--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965302103
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900960
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930580007
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930580008
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	35
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302103
Pump Set At:	
Static Level:	5
Final Level After Pumping:	35
Recommended Pump Depth:	32
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	4
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934276260
Pump Test ID:	995302103
Test Type:	Recovery
Test Duration:	15
Test Level:	25
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934546945
Pump Test ID:	995302103

Test Type:	Recovery
Test Duration:	30
Test Level:	15
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934802156
Pump Test ID:	995302103
Test Type:	Recovery
Test Duration:	45
Test Level:	8
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935065340
Pump Test ID:	995302103
Test Type:	Recovery
Test Duration:	60
Test Level:	6
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828351
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	25
Water Found Depth UOM:	ft
--	--
--	--

36 ***1 of 1*** ***NNW/218.5*** ***78.8*** ***lot 107 con 4 ON*** ***WWIS***

Well ID:	5300532	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10350822
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	25-SEP-57
Remarks:	
Zone:	18
East 83:	297802.7
North 83:	4874524
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	78.71
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	

Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168367
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932168368
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	22
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300532
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899392
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930576998
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	3
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930576999
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300532
Pump Set At:	

Static Level:	8
Final Level After Pumping:	22
Recommended Pump Depth:	
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933826947
Layer:	1
Kind Code:	4
Kind:	MINERIAL
Water Found Depth:	20
Water Found Depth UOM:	ft
--	--
--	--

37 | **1 of 1** | **SSW/222.1** | **81.8** | **lot 107 con 5 ON** | **WWIS**

Well ID:	5302008	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10352296
DP2BR:	8
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	26-MAY-69
Remarks:	
Zone:	18
East 83:	297829.7
North 83:	4874111
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	82.11
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock

Materials Interval
-- --
Formation ID: 932171516
Layer: 1
General Color: BROWN
Most Common Material: CLAY
Other Materials: GRAVEL
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft
-- --
Formation ID: 932171517
Layer: 2
General Color: BROWN
Most Common Material: LIMESTONE
Other Materials:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 35
Formation End Depth UOM: ft
-- --
Method of Construction & Well Use
-- --
Method Construction ID: 965302008
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:
-- --
Pipe Information
-- --
Pipe ID: 10900866
Casing Number: 1
Comment:
Alt Name:
-- --
Construction Record - Casing
-- --
Casing ID: 930579829
Layer: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 8
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft
-- --
Casing ID: 930579830
Layer: 2
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 35
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft
-- --
Well Yield Testing
-- --
Pump Test ID: 995302008
Pump Set At:
Static Level: 4
Final Level After Pumping: 35
Recommended Pump Depth: 32
Pumping Rate: 20
Flowing Rate:

Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	8
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934275768
Pump Test ID:	995302008
Test Type:	Recovery
Test Duration:	15
Test Level:	8
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934546869
Pump Test ID:	995302008
Test Type:	Recovery
Test Duration:	30
Test Level:	8
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934802081
Pump Test ID:	995302008
Test Type:	Recovery
Test Duration:	45
Test Level:	8
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935064846
Pump Test ID:	995302008
Test Type:	Recovery
Test Duration:	60
Test Level:	8
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828256
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	12
Water Found Depth UOM:	ft
--	--
--	--

38	***1 of 1***	***NNW/222.5***	***79.4***	***lot 107 con 4 ON***	***WWIS***

Well ID:	5300528	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10350818
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	25-JUL-49
Remarks:	
Zone:	18
East 83:	297832.7
North 83:	4874539
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	79.23
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168359
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932168360
Layer:	2
General Color:	
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	23
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300528
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899388
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930576991

Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930576992
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	23
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300528
Pump Set At:	
Static Level:	8
Final Level After Pumping:	23
Recommended Pump Depth:	
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933826944
Layer:	1
Kind Code:	4
Kind:	MINERIAL
Water Found Depth:	20
Water Found Depth UOM:	ft
--	--
--	--

39 | ***1 of 1*** | ***NNW/228.7*** | ***79.3*** | ***lot 107 con 4 ON*** | ***WWIS***

Well ID:	5300531	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10350821
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock

Open Hole:	
Date Completed:	24-SEP-57
Remarks:	
Zone:	18
East 83:	297804.7
North 83:	4874536
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	78.75
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168365
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932168366
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	36
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300531
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899391
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930576996
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	5
Casing Diameter:	6

Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930576997
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	36
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300531
Pump Set At:	
Static Level:	5
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933826946
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	34
Water Found Depth UOM:	ft
--	--
--	--

40 **1 of 1** **NNW/231.6** **79.6** **lot 107 con 4 ON** **WWIS**

Well ID:	5302380	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10352664
DP2BR:	7
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	28-SEP-71
Remarks:	
Zone:	18
East 83:	297809.7

North 83:	4874541
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	78.88
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932172362
Layer:	1
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	STONES
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	7
Formation End Depth UOM:	ft
--	--
Formation ID:	932172363
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	7
Formation End Depth:	34
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965302380
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10901234
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930580514
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	8
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930580515
Layer:	2

Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	34
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302380
Pump Set At:	
Static Level:	5
Final Level After Pumping:	34
Recommended Pump Depth:	31
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	15
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934277315
Pump Test ID:	995302380
Test Type:	Recovery
Test Duration:	15
Test Level:	11
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828603
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	31
Water Found Depth UOM:	ft
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
41	1 of 1	N/237.7	80.0	lot 107 con 4 ON	WWIS

Well ID:	5302501	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10352783
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock

Open Hole:	
Date Completed:	26-JUL-72
Remarks:	
Zone:	18
East 83:	297869.7
North 83:	4874561
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	79.41
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932172618
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932172619
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	48
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965302501
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10901353
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930580730
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10
Casing Diameter:	8

Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930580731
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	48
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302501
Pump Set At:	
Static Level:	9
Final Level After Pumping:	48
Recommended Pump Depth:	45
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934277390
Pump Test ID:	995302501
Test Type:	Recovery
Test Duration:	15
Test Level:	9
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934548067
Pump Test ID:	995302501
Test Type:	Recovery
Test Duration:	30
Test Level:	9
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934803255
Pump Test ID:	995302501
Test Type:	Recovery
Test Duration:	45
Test Level:	9
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935066019
Pump Test ID:	995302501
Test Type:	Recovery
Test Duration:	60
Test Level:	9
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828709
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	45
Water Found Depth UOM:	ft
--	--
--	--

42 **1 of 1** **S/239.8** **81.9** **lot 107 con 5 ON** **WWIS**

Well ID:	5301368	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:		**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10351658
DP2BR:	0
Code OB:	h
Code OB Description:	Mixed in a Layer
Open Hole:	
Date Completed:	08-AUG-52
Remarks:	
Zone:	18
East 83:	297906.7
North 83:	4874085
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	81.68
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932170142
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	SHALE
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft
--	--
Formation ID:	932170143
Layer:	2
General Color:	
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	2

Formation End Depth:	45
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301368
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900228
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578598
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	3
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578599
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	45
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--

43 | ***1 of 1*** | ***NNW/240.5*** | ***79.8*** | ***lot 107 con 4 ON*** | ***WWIS***

Well ID:	5300538	***Lot:***	107
Construction Date:		***Concession:***	04
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	AMELIASBURG TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10350828
DP2BR:	6
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	06-JUN-61
Remarks:	
Zone:	18
East 83:	297805.7
North 83:	4874549
UTMRC:	5

UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	78.75
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932168379
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft
--	--
Formation ID:	932168380
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	35
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965300538
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10899398
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930577010
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	6
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930577011
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	

Depth To:	35
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995300538
Pump Set At:	
Static Level:	10
Final Level After Pumping:	30
Recommended Pump Depth:	32
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	2
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:	N
--	--
Water Details	
--	--
Water ID:	933826953
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	31
Water Found Depth UOM:	ft
--	--
--	--

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44 **1 of 1** **SW/240.5** **79.4** **lot 1 ON** **WWIS**

Well ID:	5301442	**Lot:**	001
Construction Date:		**Concession:**	
Primary Water Use:	Domestic	**Concession Name:**	SB
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information

--	--
Bore Hole ID:	10351732
DP2BR:	1
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	24-MAY-55
Remarks:	
Zone:	18
East 83:	297716.7
North 83:	4874159
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	p9
Org CS:	
Elevation:	82.09
Elevrc:	

Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170302
Layer:	1
General Color:	
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	932170303
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	105
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301442
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900302
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578743
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	4
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578744
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	105
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--

Well Yield Testing	
--	--
Pump Test ID:	995301442
Pump Set At:	
Static Level:	9
Final Level After Pumping:	105
Recommended Pump Depth:	
Pumping Rate:	0
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933827751
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	97
Water Found Depth UOM:	ft
--	--
--	--

45 | ***1 of 1*** | ***S/244.0*** | ***81.9*** | ***lot 107 con 5 ON*** | ***WWIS***

Well ID:	5301941	***Lot:***	107
Construction Date:		***Concession:***	05
Primary Water Use:	Domestic	***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	HILLIER TOWNSHIP	***UTM Reliability:***	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10352229
DP2BR:	6
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	15-JUN-68
Remarks:	
Zone:	18
East 83:	297909.7
North 83:	4874081
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	81.63
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	

Supplier Comment:
Spatial Status:
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 932171365
Layer: 1
General Color:
Most Common Material: CLAY
Other Materials: GRAVEL
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft
-- --
Formation ID: 932171366
Layer: 2
General Color: GREY
Most Common Material: LIMESTONE
Other Materials:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 20
Formation End Depth UOM: ft
-- --
Formation ID: 932171367
Layer: 3
General Color: BROWN
Most Common Material: LIMESTONE
Other Materials:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 25
Formation End Depth UOM: ft
-- --
Method of Construction & Well Use
-- --
Method Construction ID: 965301941
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:
-- --
Pipe Information
-- --
Pipe ID: 10900799
Casing Number: 1
Comment:
Alt Name:
-- --
Construction Record - Casing
-- --
Casing ID: 930579699
Layer: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 6
Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft
-- --
Casing ID: 930579700
Layer: 2
Open Hole or Material: OPEN HOLE
Depth From:

Depth To:	25
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995301941
Pump Set At:	
Static Level:	6
Final Level After Pumping:	15
Recommended Pump Depth:	22
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	6
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:	N
--	--
Water Details	
--	--
Water ID:	933828191
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	20
Water Found Depth UOM:	ft
--	--
--	--

46 | ***1 of 1*** | ***SSW/244.6*** | ***81.6*** | ***lot 107 con 5 ON*** | ***WWIS***

Well ID:	5301370	**Lot:**	107
Construction Date:		**Concession:**	05
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HILLIER TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10351660
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	08-DEC-59
Remarks:	
Zone:	18
East 83:	297824.7
North 83:	4874089
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	82.54
Elevrc:	

Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932170146
Layer:	1
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932170147
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	50
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965301370
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900230
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930578602
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	3
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930578603
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Well Yield Testing	
--	--
Pump Test ID:	995301370
Pump Set At:	
Static Level:	5
Final Level After Pumping:	50
Recommended Pump Depth:	45
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	2
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:	N
--	--
Water Details	
--	--
Water ID:	933827698
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	46
Water Found Depth UOM:	ft
--	--
--	--

47	1 of 1	NNW/250.4	79.5	lot 107 con 4 ON	WWIS

Well ID:	5302134	**Lot:**	107
Construction Date:		**Concession:**	04
Primary Water Use:	Domestic	**Concession Name:**	CON
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	AMELIASBURG TOWNSHIP	**UTM Reliability:**	
County:	PRINCE EDWARD		

Bore Hole Information	
--	--
Bore Hole ID:	10352421
DP2BR:	3
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	19-APR-70
Remarks:	
Zone:	18
East 83:	297809.7
North 83:	4874561
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	79.15
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	

Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932171802
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft
--	--
Formation ID:	932171803
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965302134
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10900991
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930580058
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	6
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930580059
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	30
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	995302134
Pump Set At:	
Static Level:	4

Final Level After Pumping:	30
Recommended Pump Depth:	27
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	9
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934276283
Pump Test ID:	995302134
Test Type:	Recovery
Test Duration:	15
Test Level:	5
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934546968
Pump Test ID:	995302134
Test Type:	Recovery
Test Duration:	30
Test Level:	4
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934802179
Pump Test ID:	995302134
Test Type:	Recovery
Test Duration:	45
Test Level:	4
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935065363
Pump Test ID:	995302134
Test Type:	Recovery
Test Duration:	60
Test Level:	4
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933828382
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	11
Water Found Depth UOM:	ft
--	--
Water ID:	933828383
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	26
Water Found Depth UOM:	ft
--	--
--	--

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
FST	THE CORPORATION OF THE COUNTY OF PRINCE EDWARD	STORE ST	PICTON ON	K0K 2T0
FST	THE CORPORATION OF THE COUNTY OF PRINCE EDWARD	STORE ST	PICTON ON	K0K 2T0
SPL	SUNOCO	UNITED CO-OP BULK PLANT MAIN ST. TANK TRUCK (CARGO)	PRINCE EDWARD CITY ON	
SPL	PUC	MAIN ST. MOTOR VEHICLE (OPERATING FLUID)	PRINCE EDWARD CITY ON	
SPL	IMPERIAL OIL	TOWER GAS BAR "ON THE MAIN ST." ESSO SERVICE STATION	PRINCE EDWARD CITY ON	

Unplottable Report

Site: ***THE CORPORATION OF THE COUNTY OF PRINCE EDWARD***
STORE ST PICTON ON K0K 2T0

Database: ***FST***

Instance No:	10924708
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	9092
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Single Wall UST
Install Year:	1981
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve
Facility Type:	FS Liquid Fuel Tank

Site: ***THE CORPORATION OF THE COUNTY OF PRINCE EDWARD***
STORE ST PICTON ON K0K 2T0

Database: ***FST***

Instance No:	10924723
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Diesel
Status:	Active
Capacity:	9092
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Single Wall UST
Install Year:	1981
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve
Facility Type:	FS Liquid Fuel Tank

Site: ***SUNOCO***
UNITED CO-OP BULK PLANT MAIN ST. TANK TRUCK (CARGO) PRINCE EDWARD CITY ON

Database: ***SPL***

Ref No:	38672
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	CONTAINER OVERFLOW
Incident Dt:	8/2/1990
Incident Reason:	ERROR
Incident Summary:	SUNOCO - 200 L COLORED DIESEL OVERFLOWED TO GRD DUE TO OPERATOR ERROR.
MOE Reported Dt:	8/3/1990
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	68101

Site: ***PUC***
MAIN ST. MOTOR VEHICLE (OPERATING FLUID) PRINCE EDWARD CITY ON

Database: ***SPL***

Ref No:	38322
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	7/27/1990
Incident Reason:	MATERIAL FAILURE
Incident Summary:	DUST SUPRESSION TRUCK - 40 L. PULP LIQUOR TO ROADWAY FROM CRACK IN TANKER.
MOE Reported Dt:	7/27/1990
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	68101

Site: ***IMPERIAL OIL***
TOWER GAS BAR "ON THE MAIN ST." ESSO SERVICE STATION PRINCE EDWARD CITY ON

Database: ***SPL***

Ref No:	10718
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	CONTAINER OVERFLOW
Incident Dt:	10/20/1988
Incident Reason:	MATERIAL FAILURE
Incident Summary:	ESSO - 10 LTR GASOLENE TO SERVICE STATION LOT DURING DELIVERY.
MOE Reported Dt:	10/20/1988
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	68101

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2016

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-Nov 2016

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

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999 - Oct 2016

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register: 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 - Oct 2016

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 31, 2012

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 2017

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Jun 2017

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 2015

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-Mar 2017

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-Jun2017

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-Mar 2017

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities: Provincial EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

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.

Government Publication Date: Jun 2000-Mar 2017

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-Sept 2003

Fuel Storage Tank: Provincial FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

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-Sep 2016

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 2015

TSSA Historic Incidents: Provincial HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

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*

TSSA Incidents: Provincial INC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

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 2017

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, 2014

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-Aug 2010

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 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 - Dec 2016

National Energy Board Wells: Federal NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-2014

Oil and Gas Wells: Private OGW

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 2017

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-Oct 2016

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jun 2017

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

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: 1988-Oct 2016

TSSA Pipeline Incidents: Provincial PINC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Jun 2017

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: 1986-2013

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 2017

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999 - Oct 2016

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

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

Government Publication Date: 1988-Feb 2017

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-2014

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-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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.

Government Publication Date: Feb 28, 2017

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: 1970-Mar 2017

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: Jun 30, 2016

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX G

MOECC FOI Search Results

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on the completion and use of this form. Our fax no. is **(416) 314-4285.**

Requester Data			**For Ministry Use Only**	
Name, Title, Company Name and Mailing Address of Requester KIM KOPPANY Pinchin Ltd. 1456 Centennial Drive, Suite 2 Kingston, Ontario K7P 0K4 For questions or concerns please contact **Kim Koppany** at: kkoppany@pinchin.com			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received	Fee Paid ~ ACCT ~ CHQ ☑ VISA ~ CASH
			Response Due Date	
Telephone/Fax Nos. Tel: (613) 541-1013 Fax (613) 541-1813	Your Project/Reference No. 205037	Signature of Requester	CNR ER NOR SWR WCR SAC IEB EAA	

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions)**

81 Consecon Main Street, Consecon, ON

Present Property Owner(s) and Date(s) of Ownership

The Corporation of the County of Prince Edward

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s),(if applicable)

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	ALL
Orders	ALL
Spills	ALL
Investigations/prosecutions ▸ Owner/tenant information must be provided	**ALL**
Waste Generator number/classes	**ALL**

Certificates of Approval ▸ Proponent information must be provided

1985 and prior records are searched manually. **Search fees in excess of $300.00** could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). **If supporting documents are also required, mark SD box** and specify type e.g. maps, plans, hydrogeological reports, etc.

		SD	**Specify Year(s) Requested**
air – *emissions*			
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*			
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*			
waste water - *industrial discharge*			
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator sites*			
waste systems	*- haulers: sewage, non-hazardous & hazardous waste*		
	- mobile waste processing units		
	- PCB destruction		
pesticides - *licenses*			

APPENDIX H

TSSA Search Results

APPENDIX I

Aerial Photographs

1949


1962

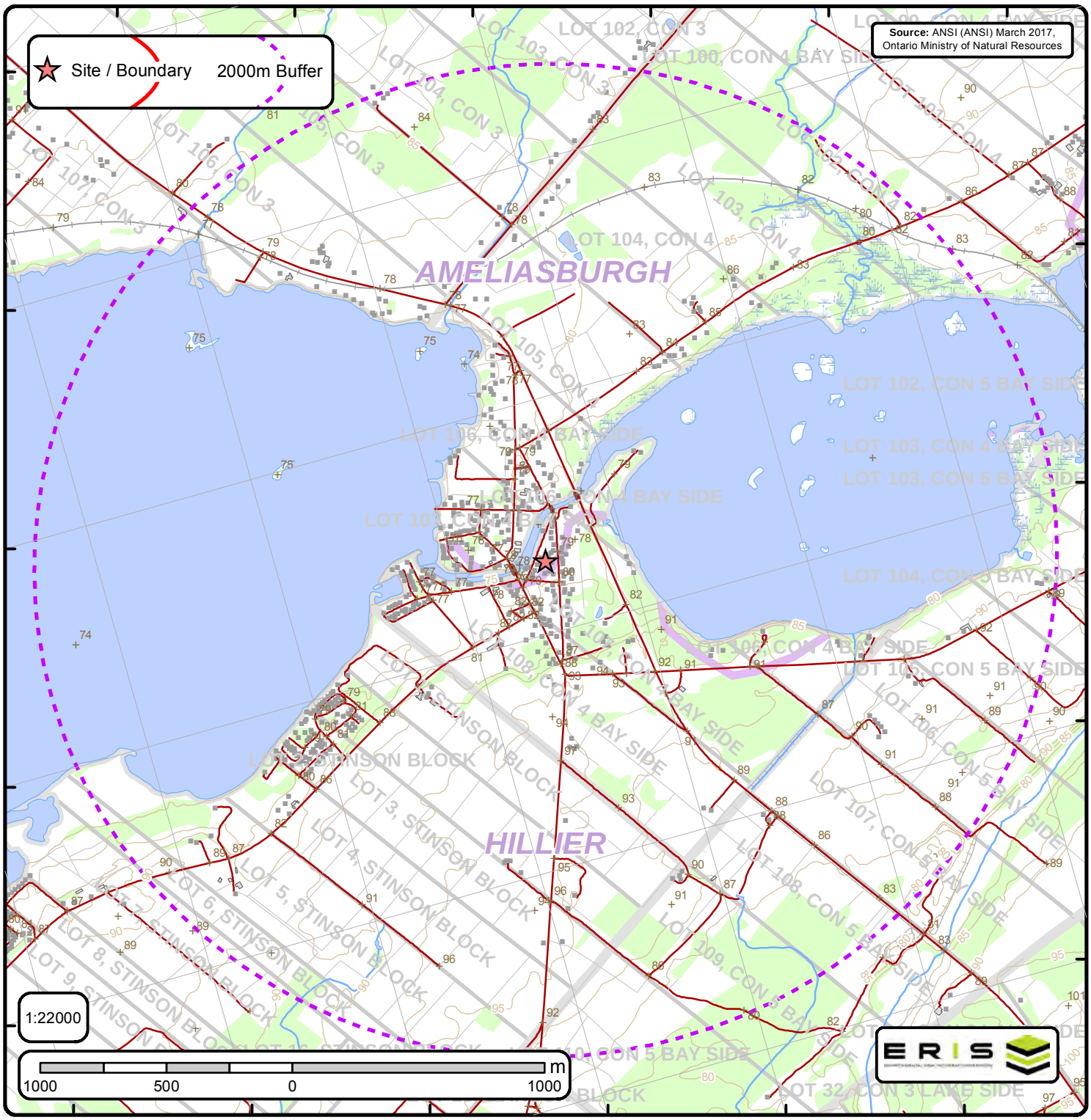
1976

1986

1995

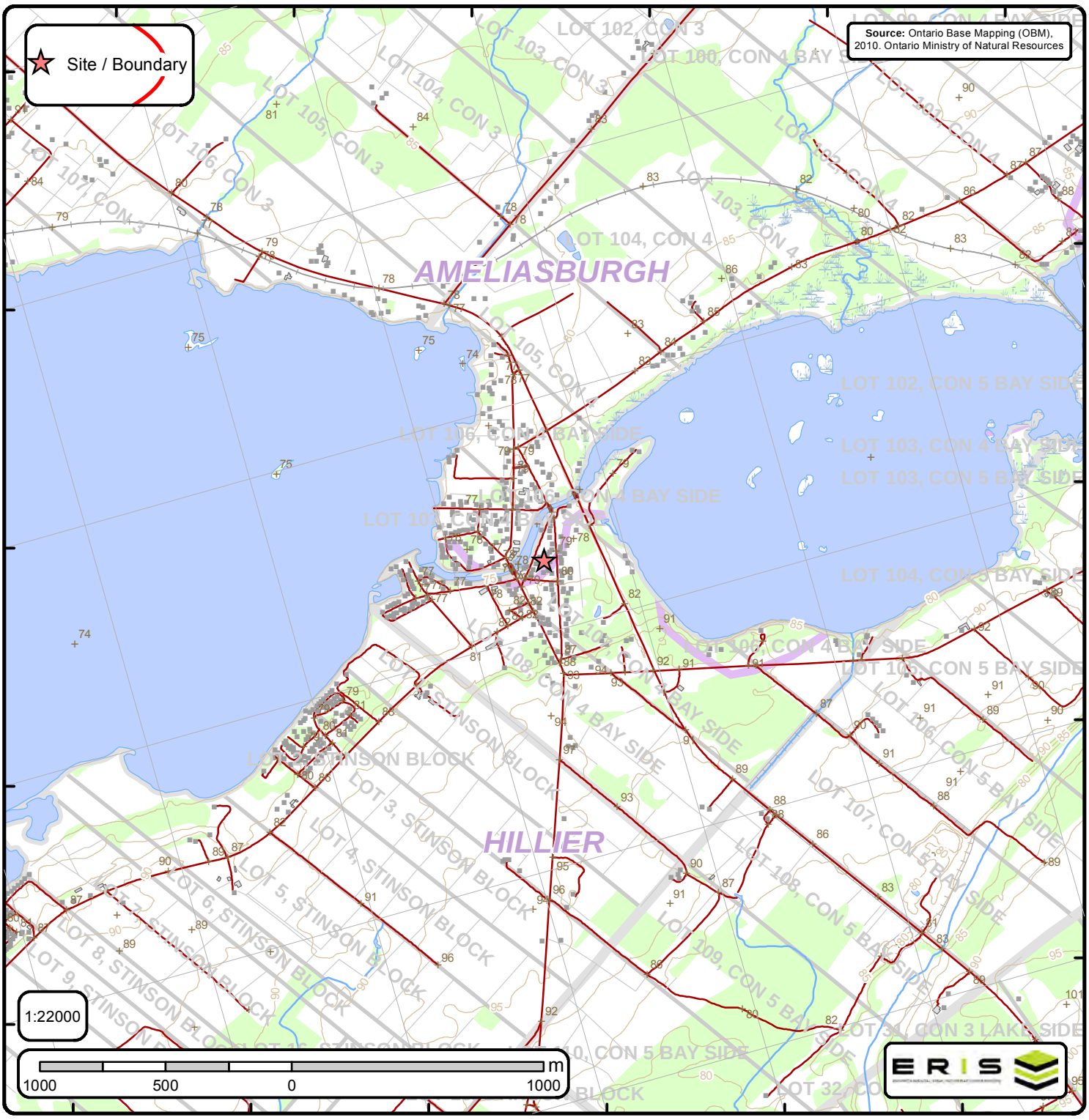
APPENDIX J

Maps



Area of Natural & Scientific Interest (ANSI) Order No. 20170728102

Spot Height	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	ANSI Area



Ontario Base Mapping (OBM) Data

Order No. 20170728102

Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	