FINAL

Phase One Environmental Site Assessment

1157-1171 North Shore Boulevard
Burlington, Ontario

Prepared for:

Spruce Partners Inc.
117 George Street
Oakville, ON L6L 3B8

Attn: Mr. Paul Sustronk

September 13, 2018

Pinchin File: 212394

MEMBER OF
THE PINCHIN GROUP

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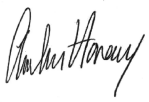

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1.0 EXECUTIVE SUMMARY

Pinchin Ltd. (Pinchin) was retained by Spruce Partners Inc. (Client) to complete a Phase One Environmental Site Assessment (Phase One ESA) of the property located at 1157-1171 North Shore Boulevard in Burlington, Ontario (Site or Phase One Property). The Phase One Property is presently developed with a four-storey multi-tenant residential building (Site Building A) located on the southeast portion of the Phase One Property, a four-storey multi-tenant residential building (Site Building B) located on the central portion of the Phase One Property and an automotive parking/storage structure (Site Building C), located on the north portion of the Phase One Property.

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 312/17 on July 28, 2017 (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 as a condition for the future purchase and redevelopment of the Phase One Property. It is Pinchin's understanding that the Client intends to redevelop the Site from its current residential land use to a senior living facility. It is Pinchin's understanding that the proposed redevelopment does not constitute a change in land use that requires 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). However, it is Pinchin's understanding that the Client will be required to obtain a site plan approval with the City of Burlington. As such, this Phase One ESA report has been prepared in accordance with O. Reg. 153/04.

The scope of work for this Phase One ESA was consistent with O.Reg. 153/04 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, city directories, Fire Insurance Plans (FIP), Property Underwriters' Reports (PUR) and Property Underwriters' Plans, chain of title search results, and historical environmental assessments relevant to the Phase One Property. 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 situated at civic addresses 1157, 1159, 1161, 1163, 1167, 1169 and 1171 North Shore Boulevard East, Burlington, Ontario which is currently owned by Brant Park Co-Operative Apartments. The Phase One Property is located on the west side of North Shore Boulevard East, at the northeast corner of the intersection of North Shore Boulevard East and the on-ramp of the Queen Elizabeth Highway. 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-1798	Crown	Assumed agricultural	Agricultural or other use	None.
1831-1831	Joseph Brant	Assumed agricultural	Agricultural or other use	None.
1831-1869	William John Simcoe Kerr	Assumed agricultural	Agricultural or other use	None.
1869-1870	James McMurray	Assumed agricultural	Agricultural or other use	None.
1870-1874	Benjamin Eager	Assumed agricultural	Agricultural or other use	None.
1874-1875	Henry Thomson Foster	Assumed agricultural	Agricultural or other use	None.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1939-1939	Sylvester James Sharp	Assumed agricultural	Agricultural or other use	None.
1939-1948	Paul Allen Fisher	Assumed agricultural	Agricultural or other use	None.
1948-1956	Jacob Cooke	Assumed Residential	Residential use	According to a 1996 PUR, the Site Buildings were constructed in 1948.
1956-2018	Brant Park Co-Operative Apartments (Burlington) Limited.	Multi-Tenant Residential	Residential use	According to the city directories, the Phase One Property was occupied by “Brant Park Apartments” between 1959 and 1998, and occupied by “apartments” between 1998 and 2013. The Site Buildings are observed in the 1951, 1976, 1980, 2004, 2009, 2013 and 2016 aerial photographs. The 1971 FIP indicated that the Phase One Property was occupied by Brant Apartments in 1971.

To the best of Pinchin’s knowledge, the Phase One Property was undeveloped until the construction of the Site Buildings in approximately 1948. In summary, the Phase One Property was owned by various individuals from as early as 1798. The usage of the property at this time is unknown, and it is assumed that it was used for agricultural purposes until approximately 1948 when the Site Buildings were constructed. The first building present on the Phase One Property is assumed to have been constructed in approximately 1948, which was used for residential purposes.

The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, FIPs, PURs, a city directory search and a title search, which was filed for the property to its earliest time of ownership and possible development. 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 four PCAs at the Phase One Property (i.e., on-Site) and four PCAs within the Phase One Study Area outside of the Phase One Property (i.e., off-Site). 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 (Former Coal-Storage)	Northwest portion of the Phase One Property, located in the boiler room of Site Building C	Other-Historical Coal-Storage	On-Site (PCA #1)	PHCs PAHs	Soil
APEC #2 (Current on-Site Pole Mounted Transformer)	Central portion of the Phase One Property	Item 55-Transformer Manufacturing, Processing and Use	On-Site (PCA #2)	PHCs (F2-F4) PCBs	Soil
APEC #3 (Current on-Site Pole Mounted Transformer)	Central portion of the Phase One Property	Item 55-Transformer Manufacturing, Processing and Use	On-Site (PCA #3)	PHCs (F2-F4) PCBs	Soil
APEC #4 (Current on-Site Pole Mounted Transformer)	Northeast-central portion of the Phase One Property	Item 55-Transformer Manufacturing, Processing and Use	On-Site (PCA #4)	PHCs (F2-F4) PCBs	Soil

Notes:

PHCs – petroleum hydrocarbon fractions F1-F4
PAHs – polycyclic aromatic hydrocarbons
PCBs – polychlorinated biphenyls

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, all four PCAs are not considered to result in APECs at the Phase One Property given their distance from the Phase One Property and/or their downgradient or transgradient location with respect to the inferred groundwater flow direction at the Phase One Property.

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 on, in, or under 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 a response from the Technical Standards and Safety Authority Search. Pinchin's Freedom of Information request. Once a response from this regulatory body is received, the information will be incorporated into a revised version of this report. 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 312/17 on July 28, 2017 (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 as a condition for the future purchase and redevelopment of the Phase One Property. It is Pinchin's understanding that the Client intends to redevelop the Site from its current residential land use to a seniors living facility. It is Pinchin's understanding that the proposed redevelopment does not constitute a change in land use that requires 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). However, it is Pinchin's understanding that the Client will be required to obtain a site plan approval with the City of Burlington. As such, this Phase One ESA report has been prepared in accordance with O. Reg. 153/04.

2.1 Phase One Property Information

The Phase One Property consists of one legal lot situated at civic addresses 1157, 1159, 1161, 1163, 1167, 1169 and 1171 North Shore Boulevard East, Burlington, Ontario which is currently owned by Brant Park Co-Operative Apartments. The Phase One Property is located on the west side of North Shore Boulevard East, approximately 55 m northeast of the intersection of North Shore Boulevard East and the on ramp of Queen Elizabeth Highway (QEW), 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. At the time of writing this report, a current legal survey of the Phase One Property has not been provided.

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

Detail	Source / Reference	Information
Legal Description	Service Ontario Parcel Register	Part Lot 23 RCP Plan 99 as in 49127 Except Part 1 20R5688 & Plan 610
Municipal Address	http://burlington.maps.arcgis.com Client	1157-1171 North Shore Boulevard East, Burlington, Ontario, L7S 1C3
Parcel Identification Number (PIN)	ServiceOntario Parcel Register	07084-0398 (LT)
Current Owner	ServiceOntario Parcel Register	Brant Park Co-operative Apartments (Burlington) Limited
Owner Contact Information	Client	Mr. John Coleman 1157-1171 North Shore Boulevard East, Burlington, Ontario, L7S 1C3 905.520.5286 Jcoleman5@cogeco.ca
Current Occupant(s)	Client	Multi-tenant Residential
Occupant Contact Information	Client	Multiple listings.
Client	Authorization to Proceed Form for Pinchin Proposal	Spruce Partners Inc.
Client Contact Information	Authorization to Proceed Form for Pinchin Proposal	Mr. Paul Sustronk Spruce Partners Inc. 117 George Street, Oakville, ON L6J 3B8 paul@sprucepartnersinc.com
Site Area	http://burlington.maps.arcgis.com	11,724 m^2 (2.9 acres)
Current Zoning	http://burlington.maps.arcgis.com City of Burlington Zoning By-Law 2020, Part 6, Updated December 15, 2015	DRH-Apartment Building, Retirement Home
Centroid UTM	Google Earth	596836 Easting

Detail	Source / Reference	Information
Co-ordinates		4796689 Northing
		Zone 17T

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), Property Underwriters' Reports (PURs), Property Underwriters' Plans (PUPs), 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 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 January 2018 to March 2018, which included the records review, Site reconnaissance, interviews and reporting. A Site reconnaissance was completed on January 23, 2018 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, 90 percent of the residential units located within Site Buildings A and B, as well as 59 automotive parking/storage units located within Site Building C. 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 1 kilometre (km), 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:

a. 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
b. the first potentially contaminating use or activity on the Phase One Property.

A review of the chain of title and city directory search results determined that the Phase One Property was owned by various landowners between 1798 and 1956 when it was purchased by Brant Park Co-operative Apartment (Burlington) Limited (current owner). The Phase One Property was first listed in the city directories in 1959, however, no city directories were available prior to 1959. The 1996 PUR indicated the Site Buildings were constructed in 1948. Therefore, it is Pinchin's opinion that the first developed use of the Phase One Property was approximately 1948.

The date of the first developed use of the Phase One Property was determined through a review of a chain of title search, city directories and a PUR. 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 copies of the following:

- FIP dated 1924 for the area excluding the Phase One Property; and
- FIP dated 1971 for the area including the Phase One Property.

The Opta response and copies of the FIPs are provided in Appendix D.

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

1924

- The FIP covered the surrounding properties to the northeast of the Phase One Property;
- North Shore Boulevard East was previously named "Beach Road";
- The property located at 9 Beach Road (currently 1230 North Shore Boulevard East) and 10, 12 and 15 Toronto & Hamilton Highway (currently Lakeshore Road) was developed with the Brant Hospital (presently Joseph Brant Memorial Hospital). A garage building was located immediately northeast of the hospital (i.e., 15 Toronto & Hamilton Highway), located at least 250 m northeast of the Site. This property is located hydraulically trans/downgradient relative to 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 former garage on this property is unlikely to have resulted in subsurface impacts at the Phase One Property.

1971

- The FIP covers the Phase One Property and the surrounding properties to the northeast, southwest and southeast of the Phase One Property;
- The Phase One Property holds the municipal addresses of 1157, 1159, 1161, 1163, 1167, 1169 and 1171 North Shore Boulevard East;
- The Phase One Property is occupied by Brant Park Apartments and is developed with three buildings of similar size and configuration as the present-day Site Buildings;
- Properties surrounding the Phase One Property consisted of a multi-tenant residential building to the northeast, North Shore Boulevard East to the southeast, followed

by a building similar in size and configuration to the present-day Joseph Brant Memorial Hospital (1230 North Shore Boulevard East). This property is located approximately 125 m east of the Phase One Property and is inferred to be hydraulically trans/downgradient relative to the Phase One Property. In addition, a building labelled "Department of Transport & Communications" was listed at 1182 Northshore Boulevard East, approximately 40 m southeast of the Site and is situated hydraulically downgradient of the Site relative to the inferred groundwater flow direction; and

- Inferred single-family residential dwellings are evident west-northwest of the Site, located at 1171 and 1183 North Shore Boulevard East.

Based on Pinchin's review of the information provided in the 1924 and 1971 FIPs, no PCAs were identified.

4.1.4 Chain of Title

Pinchin retained land title search professionals through 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-1798	Crown
1831-1831	Joseph Brant
1831-1869	William John Simcoe Kerr
1869-1870	James McMurray
1870-1874	Benjamin Eager
1874-1875	James Eager
1875-1939	Henry Thomson Foster
1939-1939	Sylvester James Sharp
1939-1948	Paul Allen Fisher

Year(s)	Ownership Listing
1948-1956	Jacob Cooke
1956-2018	Brant Park Co-Operative Apartments (Burlington) Limited

Based on Pinchin's review of the above-noted title search, nothing was identified with respect to the previous ownership that could result in potential subsurface impacts 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.

4.1.5 Environmental Reports

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 Environmental Risk Information Service Ltd. (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 Property. One record was identified for a property located within the Phase One Study Area. None of the records pertained to releases to soil and water and, as such, it is Pinchin's opinion that the potential

for the documented releases to be an environmental concern for the Phase One Property is considered low.

4.2.1.2 Ontario Inventory of PCB 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.

The EcoLog ERIS search of the Ontario Inventory of PCB Storage Sites found no information regarding the Phase One Property.

One property within the Phase One Study Area, located at 1230 North Shore Boulevard was identified in the Ontario Inventory of PCB Storage Sites database search results. This property was identified as having stored PCBs or PCB-containing equipment (including transformers, capacitors, ballasts, soil and free liquids) within the Phase One Study Area. PCBs are highly immobile in soils and immiscible in water. This property is located east of the Phase One Property, and approximately 125 m hydraulically downgradient of the Phase One Property.

Based on this information, Pinchin concludes that the likelihood of potential impacts to the Phase One Property due to the historical PCB storage at the one property listed above is low and not an environmental concern to 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.

The EcoLog ERIS search of the National PCB Inventory found no information regarding the Phase One Property.

One property within the Phase One Study Area, located at 1230 North Shore Boulevard East was identified within the National PCB Inventory database search results. This property was identified as having stored PCBs or PCB-containing equipment (including transformers, capacitors, ballasts, soil and free liquids) within the Phase One Study Area. PCBs are highly immobile in soils and immiscible in water. However, this property is located east and approximately 125 m hydraulically downgradient of the Phase One Property.

Based on this information, Pinchin concludes that the likelihood of potential impacts to the Phase One Property due to the historical PCB storage at the property listed above is low and not an environmental concern to 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. All of these Cs-of-A were for air emissions and sewage works and no Cs-of-A were identified for discharge to groundwater, which is considered the primary pathway of concern for contaminant impacts on the Phase One Property. As such, Pinchin does not consider the activities related to Cs-of-A at the 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 search of the ECA database identified no ECAs for the Phase One Property and one ECA for a property within the Phase One Study Area. The ECA was for air emissions and no ECAs were identified for discharge to groundwater, which is considered the primary pathway of concern for contaminant impacts on the Phase One Property. As such, Pinchin does not consider the activities related to the ECA within the Phase One Study Area to represent an environmental concern to the Phase One Property.

The EcoLog ERIS search of the PTTW database identified no information regarding PTTWs within the Phase One Property and one PTTW for a property within the Phase One Study Area. Pinchin does not consider the activities related to the PTTW within the Phase One Study Area to represent an environmental concern to the Phase One Property.

The EcoLog ERIS search of the CPU database identified no information regarding CPUs for the Phase One Property or other properties within the Phase One Study Area.

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 Property or other properties 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:
    - Eleven spill records were identified for other properties located within the Phase One Study Area. The majority of the recorded spills were to the paved roadway and storm sewer system, or to paved parking areas. As such, the potential for the documented spills to be causes for environmental concern to the Phase One Property is considered low.

4.2.1.8 Waste Management Records

<u>Waste Generators</u>

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 Property.

The EcoLog ERIS search of the O. Reg. 347 Waste Generators database found the following information regarding additional properties within the Phase One Study Area:

- Chartwell Retirement Residents, located at 1182 North Shore Boulevard East, had been registered with the MOECC as a generator (Generator #ON4884429) of oil skimmings and sludges in 2016. Based on a review of Pinchin's in-house MOECC Waste Generator database, 7,500 kilograms (kg) of oil skimmings and sludges were generated in 2016. This property is located approximately 40 m southeast of the Site and is situated hydraulically downgradient of the Site relative to the inferred groundwater flow direction. Based on the inferred groundwater flow direction, the potential for this historical generation of hazardous waste to cause environmental concern to the Phase One property is considered low; and
- Joseph Brant Hospital, located at 1230 Northshore East, had been registered with the MOECC as a generator (Generator #ON0355000) of various hazardous materials including alkaline wastes (i.e., heavy metals), petroleum distillates and waste oils and lubricants between 1986 and 2017. Based on a review of Pinchin's in-house MOECC Waste Generator database, the following volume of wastes, their associated waste classifications and years generated are noted:
  - 797 kg of acid wastes (i.e., heavy metals) were generated between 2004 and 2015;
  - 2,787 kg of alkaline wastes (i.e., heavy metals) were generated between 2004 and 2016;
  - 52 kg of alkaline solutions were generated in 2004;
  - 1,974 kg of paint/pigment/coating residues were generated between 1995 and 2005;
  - 2,954 kg of other specified inorganics were generated between 2005 and 2015;
  - 19,374 kg of inorganic laboratory chemicals were generated between 1986 and 2015;
  - 29,729 kg of aromatic solvents were generated between 1999 and 2016;

- 59,651 kg of aliphatic solvents were generated between 1986 and 2016;
- 3,079 kg of petroleum distillates were generated between 1986 and 2005;
- 405 kg of light fuels were generated in 2006;
- 3,781 kg of halogenated solvents were generated between 1986 and 1999;
- 10,869 kg of PCBs were generated between 1996 and 2006;
- 3,870 kg of oil skimmings and sludges were generated in 2016;
- 4,999 kg of waste oils and lubricants were generated between 1986 and 2014;
- 9,954 kg of pharmaceuticals were generated between 2000 and 2016;
- 843 kg of organic laboratory chemicals were generated between 1991 and 2004;
- 1,753,851 kg of pathological wastes were generated between 1986 and 2016; and
- 293 kg of waste compressed gases were generated between 2001 and 2015.

This property is located approximately 125 m east of the Site and is situated hydraulically trans/downgradient of the Site relative to the inferred groundwater flow direction. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, the potential for this historical generation of hazardous waste to cause environmental concern to the Phase One property is considered low.

Twenty-five other properties located within the Phase One Study Area were listed within the database search results as waste generators. Based on their location and distance relative to the Phase One Property (i.e., greater than 100 m and inferred to be hydraulically downgradient or transgradient of the Phase One Property), it is Pinchin's opinion that historical hazardous waste generation at these properties is not considered an environmental concern for 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 Property or other properties within the Phase One Study Area.

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 Property.

The EcoLog ERIS search of the chemical or fuel storage tank databases identified the following other properties within the Phase One Study Area with records of chemical and/or fuel storage tanks:

- 1182 Northshore Boulevard was listed in the Retail Fuel Storage Tanks database as a former private fuel outlet (PFO), consisting of one 4,550 Litre (L) single-wall gasoline underground storage tank (UST), one 4,550-L single-wall diesel UST and one tank (unknown type) with a capacity of 9,100-L. This property is located approximately 40 m southeast of the Site and is situated hydraulically downgradient of the Phase One Property relative to the inferred groundwater flow direction. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, it is Pinchin's opinion that the historical presence of a PFO and USTs at this property are unlikely to result in an APEC at the Phase One Property; and
- 1230 Northshore Boulevard East was listed in the List of TSSA Expired Facilities database as having expired fuel service piping, an expired self-serve PFO and an expired 17,596-L tank. No additional details were provided in these listings. This property is located approximately 125 m east of the Site and is situated hydraulically transgradient of the Site relative to the inferred groundwater flow direction. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, it is Pinchin's opinion that the historical presence of a PFO and UST at this property is unlikely to result in an APEC at 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 Property or other properties within the Phase One Study Area.

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 Property or other properties 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 Property or other properties within the Phase One Study Area.

4.2.1.13 Other EcoLog ERIS Databases

The EcoLog ERIS search of Scott's Manufacturing Directory database found no information regarding the Phase One Property other properties within the Phase One Study Area.

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.

The search was requested on January 26, 2018 and a response was received from the MOECC on February 6, 2018. The MOECC response indicated that no records were available for the Phase One Property.

A copy of the MOECC response 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 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. Based on correspondence dated May 28, 2018 the TSSA indicated records were found.

A copy of Pinchin's request submitted to the TSSA and their responses are provided in Appendix H.

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 aboveground storage tanks (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 Pinchin with copies of a 1996 PUR and PUP (see Appendix D):

Based on Pinchin's review of the 1996 PUR and PUP, the following was noted:

- Site Building A was constructed in 1948 with municipal addresses 1157-1171 Northshore Boulevard;
- Site Building B and Site Building C were constructed in 1948 with municipal addresses 1157-1163 Northshore Boulevard;
- The Phase One Property was occupied by "Brant Park Co-op Apartments";
- Heating was provided by a natural gas-fired boiler, located in a boiler room within the parking garage; and
- No fuel tanks were observed on-Site.

The PUR and PUP for the Phase One Property did not contain any pertinent information which Pinchin considers to represent an environmental concern to the Phase One Property.

4.2.5 City Directories

City directories for the years 1959-2013 were reviewed by Pinchin on-line from the Vernon's Hamilton Suburban Directories. It should be noted that no city directories were available for the City of Burlington prior to 1959. A summary of information obtained with respect to the Phase One Property is provided in the following table:

Year(s)	Occupant Listings for Site Address
1959-1998	Brant Park Apartments.
2003-2013	Apartments.

Based on Pinchin's review of the above-noted city directories, no PCAs were identified at the Phase One Property.

In general, the city directories indicated that the properties in the Phase One Study Area outside of the Phase One Property have been historically occupied residential and commercial land uses since at least 1959. Based on Pinchin's review of the above-noted city directories, the following PCA was identified within the Phase One Study Area outside of the Phase One Property:

- Ontario Department of Highways (Dist 4) office was listed in the city directories at 1182 North Shore Boulevard East between 1962 and 1973 and the Ministry of Transportations was listed in the city directories at 1182 North Shore Boulevard East between 1973 and 1998. As per Section 4.2.1.9 of this report, 1182 Northshore Boulevard was listed in the Retail Fuel Storage Tanks database as a former PFO, consisting of one 4,550-L single-wall gasoline UST, one 4,550-L single-wall diesel UST and one tank (unknown type) with a capacity of 9,100-L. This property is located approximately 40 m southeast of the Site and is situated hydraulically downgradient of the Site relative to the inferred groundwater flow direction. Based on the distance between this property and the Phase One Property, as well as the inferred groundwater flow direction, it is Pinchin's opinion that the historical presence of a former PFO and USTs at this historical operation does not represent an APEC in relation to the Phase One Property.

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 1951, 1976 and 1980 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. In addition, Pinchin reviewed Google Earth™ Satellite Imagery dated 2004, 2009, 2013 and 2016. The 1951 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

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 1951, 1976 and 1980 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
1951	The Phase One Property appeared to be developed with what appears to be Site Buildings A and B; however, it should be noted that accurate details could not be determined due to the large reference scale.
1976	Same as above.
1980	Same as above.
2004	The Phase One Property appeared to be developed with buildings similar in location and orientation to the present-day Site Buildings.
2009	Same as above.
2014	Same as above.
2016	The Phase One Property appeared to be developed with buildings similar in location and orientation to the present-day Site Buildings. In addition, three pole-mounted transformers are evident on the central and northeast-central portion of the Phase One Property.

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	Northwest	Northeast	Southeast	Southwest
1951	An undeveloped area is inferred immediately northwest of the Phase One Property. It should be noted that details for this area could not be determined from the 1951 aerial photograph due to the large reference scale and lack of clarity.	An undeveloped area is inferred immediately northeast of the Phase One Property followed by a road similar in location and orientation to present-day North Shore Boulevard East followed by what appears to be undeveloped land. It should be noted that details for this area could not be determined from the 1951 aerial photograph due to the large reference scale and lack of clarity.	A road similar in orientation and location to present-day North Shore Boulevard East located adjacent to the Phase One Property. Inferred vacant, undeveloped land is located beyond North Shore Boulevard East. It should be noted that details for this area could not be determined from the 1951 aerial photograph due to the large reference scale and lack of clarity.	An undeveloped area similar in size and location to the present-day vacant parcel of land located immediately southwest of the Phase One Property. A road similar in location and orientation to present-day Queen Elizabeth Highway (QEW) followed by vacant undeveloped land. It should be noted that details for this area could be determined from the 1951 aerial photograph due to the large reference scale and lack of clarity.

Year of Photograph	Northwest	Northeast	Southeast	Southwest
1976	Inferred single-family residential dwellings associated with the present-day subdivision located immediately northwest of the Phase One Property. It should be noted that details for this area could not be determined from the 1976 aerial photograph due to the large reference and lack of clarity.	Similar to 1951. It should be noted that details for this area could not be determined from the 1976 aerial photograph due to the larger reference scale and lack of clarity.	North Shore Boulevard is located immediately southeast of the Phase One Property. Apparent buildings of unknown type are evident southeast of North Shore Boulevard. It should be noted that land use for this area could not be determined from the 1976 aerial photograph due to the small scale and lack of clarity.	Similar to 1951. It should be noted that land use for this area could not be determined from the 1976 aerial photograph due to the small scale and lack of clarity.
1980	Similar to 1976. It should be noted that land use for this area could not be determined from the 1980 aerial photograph due to the small scale and lack of clarity.	Apparent buildings of unknown type are evident northeast of the Phase One Property and beyond 200 m from the Phase One Property. It should be noted that land use for this area could not be determined from the 1980 aerial photograph due to the small scale and lack of clarity.	Similar to 1976.It should be noted that land use for this area could not be determined from the 1980 aerial photograph due to the small scale and lack of clarity.	Similar to 1976. It should be noted that land use for this area could not be determined from the 1980 aerial photograph due to the small scale and lack of clarity.

Year of Photograph	Northwest	Northeast	Southeast	Southwest
2004	Single-family residential dwellings similar in size and configuration to present-day are evident immediately northwest of the Phase One Property. Belleview Street, single-family residential dwellings and Belliview Crescent are evident 200 m northeast of the Phase One Property.	A multi-tenant residential building similar in size and configuration to present-day 1201 North Shore Boulevard East is evident immediately northeast of the Phase One Property. Five multi-tenant residential dwellings are evident beyond 250 m northeast from the Phase One Property (i.e., 1225, 1237 and 1249 North Shore Boulevard East and 442 Maple Avenue).	North Shore Boulevard East is located immediately southeast of the Phase One Property. Buildings similar in size and configuration to present-day 1182 North Shore Boulevard East (i.e., Chart Well Brant Centre Long Term Care) and 1160 North Shore Boulevard East (i.e., OPP Office and OPP Station).	Similar to 1980.
2009	Similar to 2004.	Similar to 2004.	Similar to 2004.	Similar to 2004.
2013	Similar to 1999.	Similar to 1999.	Similar to 2009, however, land disturbance is evident at 1215 Lakeshore Road (located immediately east of 1160 Northshore Boulevard) and is inferred to be associated with the building construction of the present-day above-ground parking structure, located approximately 150 m southeast of the Phase One Property.	Similar to 1999.

Year of Photograph	Northwest	Northeast	Southeast	Southwest
2016	Similar to 2013.	Similar to 2013.	Similar to 2013, however, a building similar in size and configuration to present-day 1250 Lakeshore Road (i.e., above-ground parking garage) is evident.	Similar to 2002.

Based on the aerial photographs reviewed for the Phase One Property and the surrounding area, it appears that the Phase One Property was developed between 1951 and 1976.

The aerial photograph review identified the following APECs on the Phase One Property:

- What appears to be three-pole mounted transformers were located on the central and northeast-central portion of the Phase One Property from at least 2004 to 2016.

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 82 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 to the southeast and east. No bedrock outcrops were observed on-Site or in the surrounding area.

A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within lacustrine deposits with the primary native material consisting of sand and gravel. Bedrock is expected to consist of shale, limestone, dolostone and siltstone of the Queenston Formation. The topography is considered to be mainly flat to rolling low local relief with dry surface water drainage conditions.

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 in an easterly direction. Lake Ontario is located approximately 358 m east of the Phase One Property. Lake Ontario is the nearest major body of water, at an elevation of approximately 77 mamsl.

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

4.3.3 Fill Materials

No evidence of fill material, disturbed soil or buried debris was observed at the Phase One Property during the Site reconnaissance.

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.

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 six 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	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
2800009	Approximately 5 m northeast of the Phase One Property at 1201 North Shore Boulevard East.	Red medium sand (0-7.92 mbgs) Red shale (7.92-16.76 mbgs).	7.92 mbgs.	3.35 mbgs.
7240066	Approximately 190 m northwest of the Phase One Property on Bellview Crescent.	Brown fine sand and gravel (0-1.83 mbgs) Grey clay and silt (1.83-3.66).	Not encountered (>3.66 mbgs)	Not indicated.
2810029	Approximately 180 m northwest of the Phase One Property at 1167 Bellview Crescent.	Red clay and till (0-1.50 mbgs) Red shale (1.50-6.00 mbgs).	1.50 mbgs.	4.80 mbgs.

MOECC Well ID	Location	Stratigraphy	Approximate Depth to Bedrock	Approximate Depth to Water Table
7201424	Approximately 215 m southeast of the Phase One Property at 1220 Lakeshore Road.	Red clay with stones (0-6.10 mbgs) Brown sand (6.10-10.67 mbgs) Red clay with stones (10.67- 13.72 mbgs) Grey limestone (13.72 mbgs).	13.72 mbgs.	Not indicated.
7201426	Approximately 220 m southeast of the Phase One Property at 1220 Lakeshore Road.	Red clay with stones (0-6.10 mbgs) Brown sand (6.10-10.67 mbgs) Grey clay with stones (10.67-13.11) Grey limestone (13.11 mbgs).	13.11 mbgs.	Not indicated.
7267370	Approximately 275 m northeast of the Phase One Property at 1230 North Shore Boulevard East.	Not indicated (0-0.60 mbgs) Brown silt and clay (0.60-2.70 mbgs) Black peat (2.70-3.60 mbgs) Grey limestone (3.60-5.10 mbgs) Red sand, gravel and limestone (5.10-7.50 mbgs) Red shale (7.50 mbgs).	7.50 mbgs.	2.10 mbgs.

The EcoLog ERIS report search results indicated that the margin of error associated with the UTM coordinates is reported to be 10 to 30 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 individuals 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 individuals 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
Mr. John Coleman	President of Brant-Coop Apartments Board for approximately 25 years.	October 5, 2017 (Phase One Property) January 23, 2018 (Phase One Property)	In-person interview during a pre-consultation as well as during the Site reconnaissance.

Mr. Coleman was chosen to be interviewed given that he has been associated with the Phase One property since at least 1970 and is familiar with the recent operational history of the Phase One Property. Mr. Coleman is referred to herein as the “Site Representative”, and accompanied the Pinchin QP (Mr. Francesco Gagliardi) during the pre-consultation meeting on October 5, 2017 and the Pinchin representative (Ms. Amber Harvey) during the Site reconnaissance on January 23, 2018.

Pinchin compared the information obtained from the interviews with information obtained from the historical records. With respect to PCAs and APECs, no additional information was obtained from the interviews other than that documented elsewhere in this report, with the exception of the following:

- Mr. Coleman indicated that the heating system was formerly coal-fired and coal was stored within the boiler room located in Site Building C. The area of the coal storage consisted of cinder-block walls upon a concrete floor within Site Building C. It is unknown how long the heating system was coal-fired; however, it is Pinchin’s that this former coal storage area represents a PCA at the Phase One Property.

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 January 23, 2018 by a Pinchin representative (i.e., Ms. Amber Harvey) under the direct supervision of Pinchin's QP overseeing this project. Ms. Harvey is a Project Technologist with two 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 1:00 pm and 3:00 pm. During the Site reconnaissance, the weather was overcast, and the ambient temperature was approximately 6° Celsius. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the 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. It should be noted that Pinchin only gained access to one unit located within the automotive parking/storage units within Site Building C and 10 percent of residential units located within Site Buildings A and B to reduce the disturbances of the tenants. At the time of the Site reconnaissance, the Phase One Property was occupied by two multi-tenant residential buildings and one automotive parking/storage parking structure.

Photographs taken during the Site reconnaissance that illustrate the interior and exterior of the Site Buildings, 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
7	Looking southeast	Three pole-mounted oil-cooled transformers located on the central and northeast-central portion of the Phase One Property.
8	Looking west	Historical coal-storage area, located in the boiler room of Site Building C.

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:

6.2 Specific Observations at Phase One Property

6.2.1 Description of Buildings and Structures

During the Site reconnaissance, Pinchin observed three buildings/structures on the Phase One Property. The buildings consisted of two (2) four-storey multi-tenant residential buildings (Site Buildings A and B) and one single-storey automotive parking/storage structure with a boiler room that was partially below grade (Site Building C), constructed circa 1948.

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 basements which held a laundry room and residential tenant units within Site Buildings A and B, and a boiler room within Site Building C. The basements consisted of a poured concrete structure with select utilities entering the Site Buildings at northwest (private utilities) and southeast (i.e., public utilities such as telephone, sanitary sewer, water and electricity) entering from North Shore Boulevard East.

A below grade utility trench extends in a southeast direction from the boiler room to Site Buildings A and B. The utility trench is constructed of concrete and contains water and steam pipes that provide heating and hot water to the Site Buildings. Access ports are located at various locations to provide access in the event of maintenance.

One concrete catch basin was observed in the grassed area located on the southeast portion of the Phase One Property and it is expected to connect to the storm sewer system. Water was present in the catch basin and it had no obvious odours, discolouration or sheen. The depth of the catch basin is unknown. The catch basin is not considered to be a potential environmental concern for the Phase One Property.

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 extending from North Shore Boulevard East into the Site Buildings.

6.2.5 Description and Location of Underground Utilities

A number of underground utilities were observed on the Phase One Property, including natural gas, telephone lines and municipal water, storm and sanitary sewer lines. Overhead hydro was observed on

the central-northeast portion of the Phase One Property in conjunction with three pole-mounted transformers.

The natural gas, telephone, water and sanitary sewer services enter the Site Buildings via underground lines inferred to be running from North Shore Boulevard East into the basements on southeast side of Site Building A and the north side of Site Building B. Storm water is captured via a catch basin in the grassed area located on the southwest portion of the Site via underground piping to a main storm sewer line and discharged southwest of the Phase One Property.

Trench containing heat and water lines exited through the boiler room located in Site Building C and connected through access points, which travelled throughout the Phase One Property.

6.2.6 Entry and Exit Points

Site Building A contained 21 residential units and Site Building B contained 28 residential tenant units. One main entry/exit door was included in each residential unit. Three “main entrance” doors were located adjacent to the south elevation of Site Building A and three “main entrance” doors were located adjacent to the south elevation of Site Building B and were used to gain access to the Site Buildings common spaces. One door was located adjacent to the south-central elevation of Site Building C for access into the basement (i.e., boiler room).

6.2.7 Details of Heating System

During the Site reconnaissance, Pinchin observed one natural gas-fired boiler that provided hot-water heating to radiators throughout Site Buildings A and B. As noted in Section 5.0, the former heating system at the Site was coal-fired and the coal was formerly stored within the boiler room. The former coal storage area was removed and replaced by a natural gas-fired boiler circa 1960s.

6.2.8 Details of Cooling System

Pinchin observed seven window-mounted electrically-powered air conditioning units within Site Building A and 12 window-mounted electrically-powered air-conditioning units within Site Building B. The air conditioners were noted to be of a newer model, and as such are not expected to contain ozone-depleting substances (ODSs).

6.2.9 Details of Drains, Pits and Sumps

During the Site reconnaissance, Pinchin observed a sump adjacent to the northeast elevation of Site Building A. In addition, Pinchin observed a sump in the north portion of the basement located within Site Building C. The sumps were observed to be approximately 0.75 m deep and free of any evidence of cracks and staining. Water was present within the sump; however, the water was clear and there were no obvious odours, discolouration or sheen, and are expected to connect to the storm sewer system.

With the exception of these sumps, Pinchin did not observe any drains, pits or sumps during the Site reconnaissance. The sumps are not considered to be potential environmental concerns.

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. Small volumes of various cleaning solutions were stored in their original containers on shelves within the Site Buildings. 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 at the Phase One Property.

6.2.12 Details of On-Site Wells

No water supply or groundwater monitoring wells were observed to be on or within the Phase One Property. No 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 did not observe any sewage works or evidence of sewage disposal on the Phase One Property, with the exception of a main sanitary sewer pipe that exits through the southwestern basement walls of the Site Buildings A and B and connects to the municipal sewer under North Shore Boulevard East.

6.2.14 Details of Ground Cover

During the Site reconnaissance, Pinchin visually inspected the Phase One Property ground cover. Vegetated areas (i.e., grassed area, trees and shrubs) are present throughout the Phase One Property. Access routes and parking areas are present around the perimeters of Site Building A and B, immediately south of Site Building C and the east portion of the Phase One Property.

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 the Site Building location, parking areas and access to the Phase One Property, and to establish drainage patterns. This potential fill material does not represent a potential environmental concern at the Phase One Property.

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.

The following PCAs were observed on the Phase One Property during the Site reconnaissance:

- Other- Historical Coal Storage Area (former heating source for Site Buildings, located in the basement of Site Building C);
- PCA #55 – Transformer Manufacturing, Processing and Use (pole-mounted oil-cooled transformer observed at the northeast-central portion of the Phase One Property);
- PCA #55 – Transformer Manufacturing, Processing and Use (pole-mounted oil-cooled transformer observed at central portion of the Phase One Property); and
- PCA #55 – Transformer Manufacturing, Processing and Use (pole-mounted oil-cooled transformer observed at the central portion of the Phase One Property).

Further 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 FIPs, chain of title search, EcoLog ERIS regulatory search, information obtained through MOECC FOI, PURs, PUPs, city directories, and aerial photographs;
- A Site reconnaissance completed on January 28, 2018 by Ms. Amber Harvey 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:

- Other- Historical Coal Storage (former heating source for Site Buildings, located in the basement of Site Building C);
- Item 55 – Transformer Manufacturing, Processing and Use (pole-mounted transformer located on the central portion of the Phase one Property);

- Item 55 – Transformer Manufacturing, Processing and Use (pole-mounted transformer located on the central portion of the Phase One Property); and
- Item 55 – Transformer Manufacturing, Processing and Use (pole-mounted transformer located on the northeast-central portion of the Phase One Property).

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 and regulatory records including FIPs, EcoLog ERIS, city directories 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 additional PCAs within the Phase One Study Area outside of the Phase One Property:

- Item 28- Gasoline and Associated Products Storage in Fixed Tanks (Three USTs associated with a private fuel outlet was located at 1230 North Shore Boulevard East, located approximately 40 m southeast of the Phase One Property);
- Item 28- Gasoline and Associated Products Storage in Fixed Tanks (One UST associated with an expired PFO was located at 1182 North Shore Boulevard East, approximately 125 m east of the Phase One Property);
- Item 55 – Transformer Manufacturing, Processing and Use (pole-mounted transformer located immediately south-southeast of the Phase One Property); and
- Item 55- Transformer Manufacturing, Processing and Use (pad-mounted transformer located at 1201 North Shore Boulevard East, approximately 65 m northeast of the Phase One Property).

These additional PCAs are not consider to represent APECs at the Phase One Property given the distance from the PCAs to the Phase One Property and/or the 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 1 km, 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 Figures 4 and 5, respectively.

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-1798	Crown	Assumed agricultural	Agricultural or other use	None.
1831-1831	Joseph Brant	Assumed agricultural	Agricultural or other use	None.
1831-1869	William John Simcoe Kerr	Assumed agricultural	Agricultural or other use	None.
1869-1870	James McMurray	Assumed agricultural	Agricultural or other use	None.
1870-1874	Benjamin Eager	Assumed agricultural	Agricultural or other use	None.
1874-1875	Henry Thomson Foster	Assumed agricultural	Agricultural or other use	None.
1939	Sylvester James Sharp	Assumed agricultural	Agricultural or other use	None.
1939-1948	Paul Allen Fisher	Assumed agricultural	Agricultural or other use	None.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1948-1956	Jacob Cooke	Assumed Residential	Residential use	A review of the 1996 PUR indicated that the Site Buildings were constructed in 1948.
1956- 2018	Brant Park Co-Operative Apartments (Burlington) Limited.	Multi-tenant Residential	Residential use	According to the city directories, the Phase One Property was occupied by “Brant Park Apartments” between 1959 and 1998, and was occupied by “apartments” between 1998 and 2013. The Site Buildings were observed in the 1951, 1976, 1980, 2004, 2009, 2013 and 2016 aerial photographs. The 1971 FIP indicated that the Phase One Property was occupied by Brant Apartments in 1971.

To the best of Pinchin’s knowledge, the Phase One Property was undeveloped until the construction of the Site Buildings in approximately 1948. In summary, the Phase One Property was owned by various individuals from as early as 1798. The usage of the property at this time is unknown, and it is assumed that it was used for agricultural purposes until approximately 1948 when the Site Buildings were constructed. The first building present on the Phase One Property is assumed to have been constructed in approximately 1948, which was used for residential purposes.

The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, FIPs, PURs, a city directory search and a title search, which was filed for the property to its earliest time of ownership and possible development. 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:

- Other- Historical Coal Storage (former heating source for Site Buildings, located in the basement of Site Building C);
- Item 55 – Transformer Manufacturing, Processing and Use (pole-mounted transformer located on the central portion of the Phase One Property);
- Item 55 – Transformer Manufacturing, Processing and Use (pole-mounted transformer located on the central portion of the Phase One Property); and
- Item 55 – Transformer Manufacturing, Processing and Use (pole-mounted transformer located on the northeast-central portion of the Phase One Property).

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 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 (Former Coal-Fired Heating)	Northwest portion of the Phase One Property, located in the boiler room of Site Building C	Other- Historical Coal-Fueling Heating	On-Site (PCA #1)	PHCs PAHs	Soil
APEC #2 (Current on-Site Pole Mounted	Central portion of the Phase One Property	Item 55- Transformer Manufacturing, Processing and	On-Site (PCA #2)	PHCs (F2-F4) PCBs	Soil

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)
Transformer)		Use			
APEC #3 (Current on-Site Pole Mounted Transformer)	Central portion of the Phase One Property	Item 55-Transformer Manufacturing, Processing and Use	On-Site (PCA #3)	PHCs (F2-F4) PCBs	Soil
APEC #4 (Current on-Site Pole Mounted Transformer)	Northeast-central portion of the Phase One Property	Item 55-Transformer Manufacturing, Processing and Use	On-Site (PCA #4)	PHCs (F2-F4) PCBs	Soil

Notes:

PHCs – petroleum hydrocarbon fractions F1-F4
PAHs – polycyclic aromatic hydrocarbons
PCBs- polychlorinated biphenyls

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 four APECs at the Phase One Property. Three of the APECs are related to pole-mounted transformers located on the central and northeast-central portions of the Phase One Property. The fourth APEC is related to a historical storage of coal as part of the heating system formerly located in the boiler room of Site Building C.

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 analyses 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.

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 5, 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 an irregular-parcel of land approximately 2.8 acres (1.16 hectares) in area located on the west side of North Shore Boulevard East. There is no record of industrial use or of a commercial use (e.g., garage, bulk liquid dispensing facility or dry cleaner) that would require classifying the Phase One Property as an enhanced investigation property.
- No water bodies were identified within the Phase One Study Area. The nearest water body is Lake Ontario which is located approximately 358 m east of the Phase One Property.
- No areas of natural significance were identified within the Phase One Study Area.
- No drinking water wells were located on the Phase One Property.
- 1201 North Shore Boulevard East is located adjacent to the northeast portion of the Phase One Property and single-family residential dwellings are located adjacent to the northwest portion of the Phase One Property. The adjacent property to the southwest is undeveloped, vacant land. Northshore Boulevard East is located immediately southwest of the Phase One Property, respectively.
- A total of eight PCAs were identified within the Phase One Study Area, consisting of four PCAs at the Phase One Property and four PCAs within the Phase One study, outside of the Phase One Property. As shown on Figures 4, the off-Site PCAs are located at transgradient or downgradient properties or are at least 50 m from the Phase One Property. As such, 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 at the Phase One Property represent APECs at the Phase One Property. Figure 5 provides a detailed summary of the APECs and associated PCAs and COPCs.
- Underground utilities at the Phase One Property provide potable water, natural gas, electrical, telephone, cable and sewer services to the Site Building. These services enter the basements of the Site Buildings. One concrete catch basin was observed in the grassed area located on the southeast portion of the Phase One Property and it is expected to connect to the storm sewer system. Plans were not available to confirm the depths of these utilities but they are estimated to be located approximately 2 to 3 mbgs. The depth to groundwater at the Phase One Property is known to be between 1.35 mbgs and 3.91 mbgs, which coincides with the approximate depth to the water table. As such, it is possible that the utility corridors may act as preferential pathways for contaminant

distribution and transport in the event that shallow subsurface contaminants exist at the Phase One Property.

- The Phase One Property and the surrounding properties located within the Phase One Study Area are located within lacustrine deposits with the primary native material consisting of sand and gravel. Bedrock is expected to consist of shale, limestone, dolostone and siltstone of the Queenston Formation. The topography is considered to be mainly flat to rolling low local relief with dry surface water drainage conditions.
- The Phase One Property is relatively flat with a slight grade downwards in elevation to the southeast and east. The area surrounding the Phase One Property slopes gradually to the southeast towards Lake Ontario. Lake Ontario is located approximately 358 m east of the Phase One Property. Lake Ontario is the nearest major body of water, at an elevation of approximately 77 mamsl. Regional groundwater flow is inferred to be to the east-southeast towards Lake Ontario.
- The elevation of the Phase One Property, based on information obtained from the Ontario Base Map series, is approximately 82 mamsl. The general topography in the local and surrounding area is generally flat with a slight grade downwards in elevation to the southeast and east. No bedrock outcrops were observed on-Site or in the surrounding area.

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 accordance with O. Reg. 153/04.

Based on the findings of this Phase One ESA, Pinchin identified four PCAs at the Phase One Property (i.e., on-Site) and one PCA within the Phase One Study Area outside of the Phase One Property (i.e., off-Site). The off-Site PCA is not considered to result in APEC at the Phase One Property given the distance from the Phase One Property and/or the downgradient or transgradient location with respect to the inferred groundwater flow direction at the Phase One Property. It is Pinchin's opinion that these four PCAs may have resulted in contamination of soil at the Phase One Property and, as such, represent APECs at the Phase One Property that warrant further investigation.

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 may have affected land or water on, in, or under the Phase One Property. Therefore, Pinchin recommends that a Phase Two ESA be conducted.

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 Francesco Gagliardi, C.E.T., LET, QP_{ESA} in accordance with the requirements of O. Reg. 153/04. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on January 28, 2018, and a review of available historical information and information obtained from interviews.

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 1157-1171 North Shore Boulevard East, in Burlington, 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 Spruce Partners Inc. (Client), as well as City of Burlington and Halton Region, subject to the terms, conditions and limitations contained within the duly authorized work plan 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.

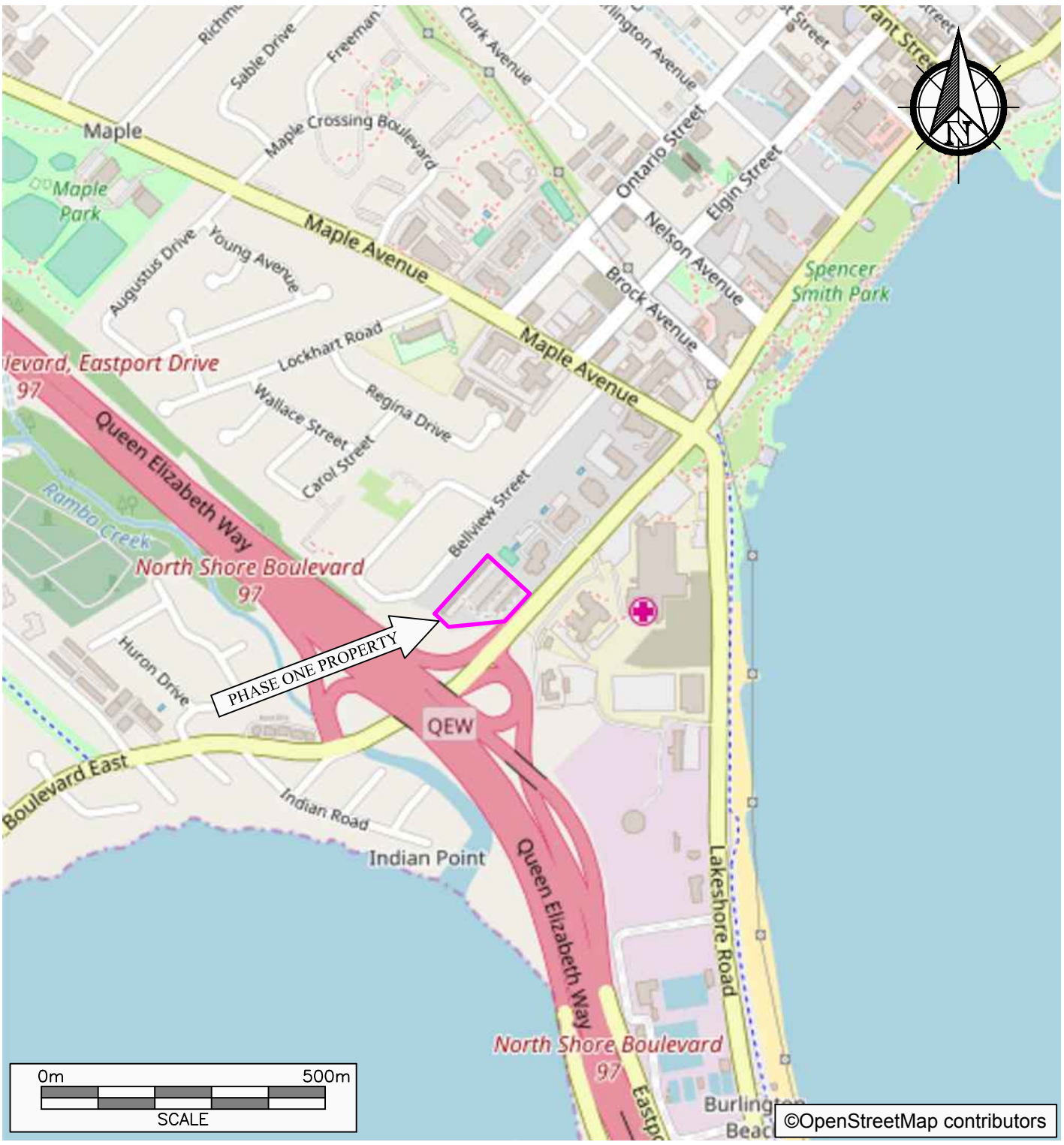
Ontario Regulation 153/04 does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable federal, provincial or municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase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

8.3 REFERENCES

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

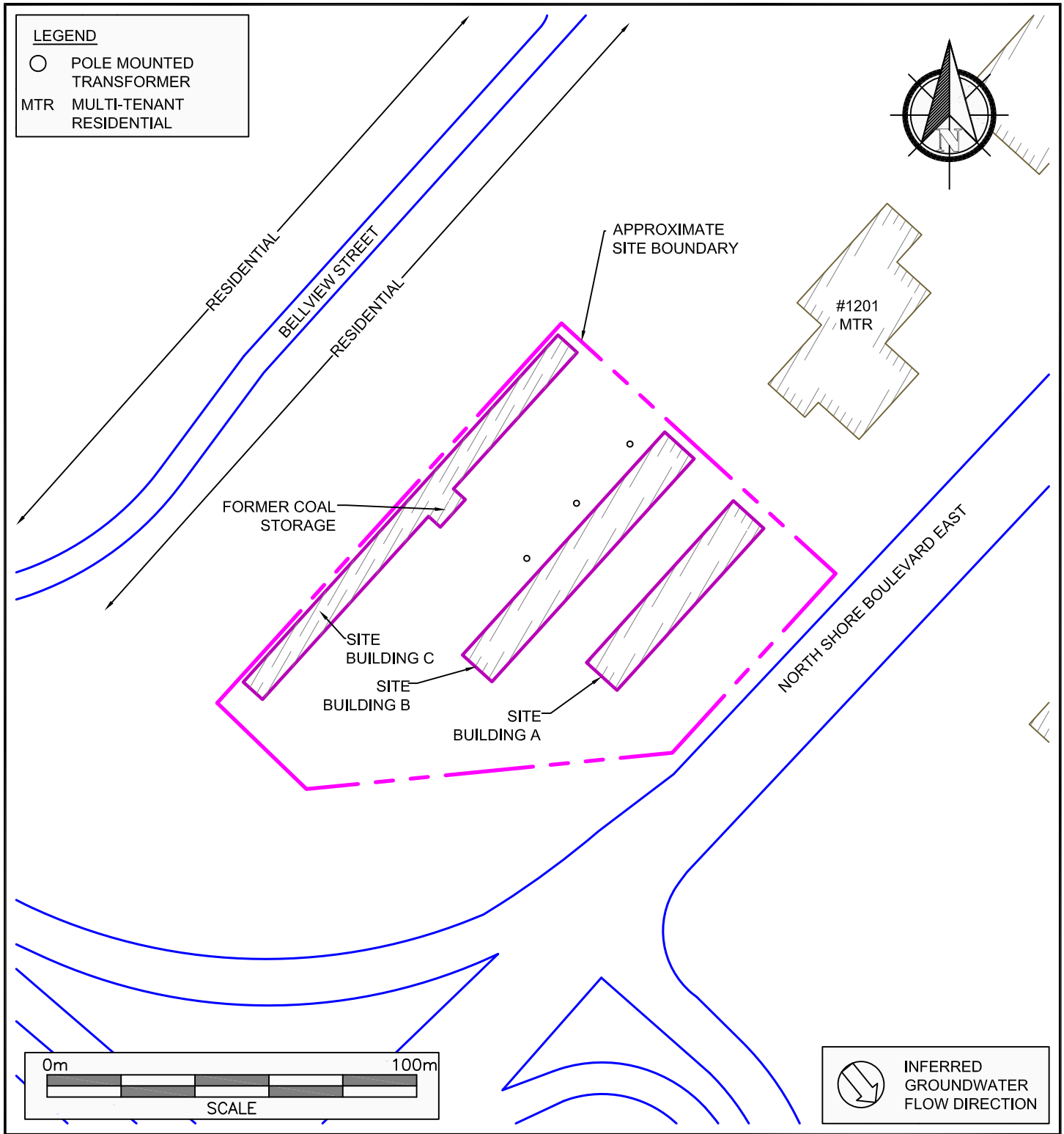
- Intera Technologies Inc. *Inventory of Coal Gasification Plant Waste Sites in Ontario.* April 1987.
- Intera Technologies Inc. *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*. November 1988.
- Province of Ontario. Environmental Protection Act R.S.O. 1990, c. E.19 and Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act. Last amended by Ontario Regulation 312/17 on July 28, 2017.

APPENDIX A
Figures



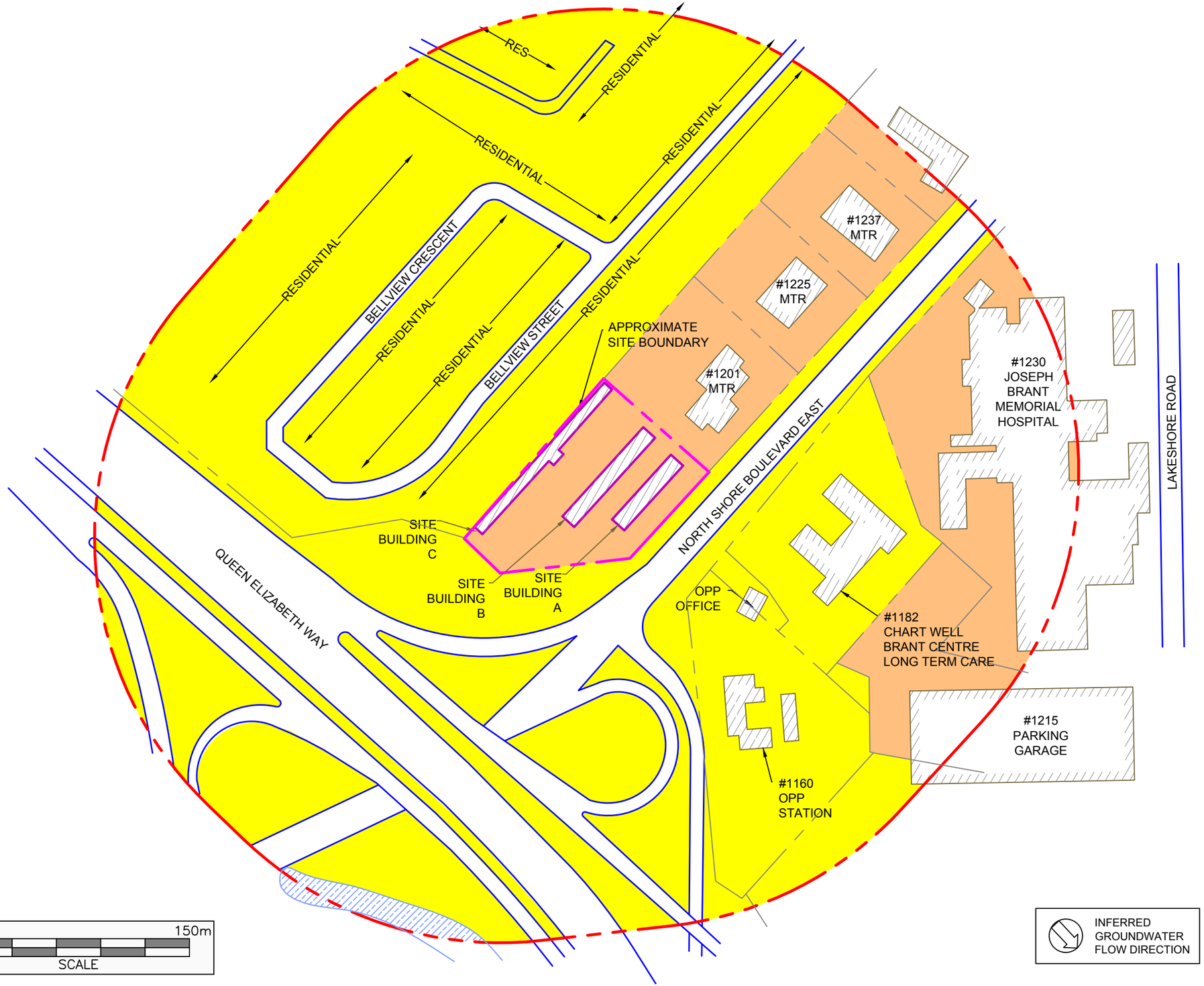
PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT		
CLIENT NAME: SPRUCE PARTNERS INC.		
PROJECT LOCATION: 1157-1171 NORTH SHORE BOULEVARD EAST, BURLINGTON, ONTARIO		
FIGURE NAME: KEY MAP		FIGURE NO.: 1
SCALE: AS SHOWN	PROJECT NO.: 212394	DATE: MARCH 2018



PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME: SPRUCE PARTNERS INC.			
PROJECT LOCATION: 1157-1171 NORTH SHORE BOULEVARD EAST, BURLINGTON, ONTARIO			
FIGURE NAME: PHASE ONE PROPERTY			FIGURE NO.: 2
SCALE: AS SHOWN	PROJECT NO.: 212394	DATE: MARCH 2018	



LEGEND

RES RESIDENTIAL

MTR MULTI-TENANT RESIDENTIAL

RESIDENTIAL/PARK/ INSTITUTIONAL PROPERTY USE

INDUSTRIAL/COMMERCIAL/COMMUNITY PROPERTY USE

PHASE ONE STUDY AREA BOUNDARY

PINCHIN

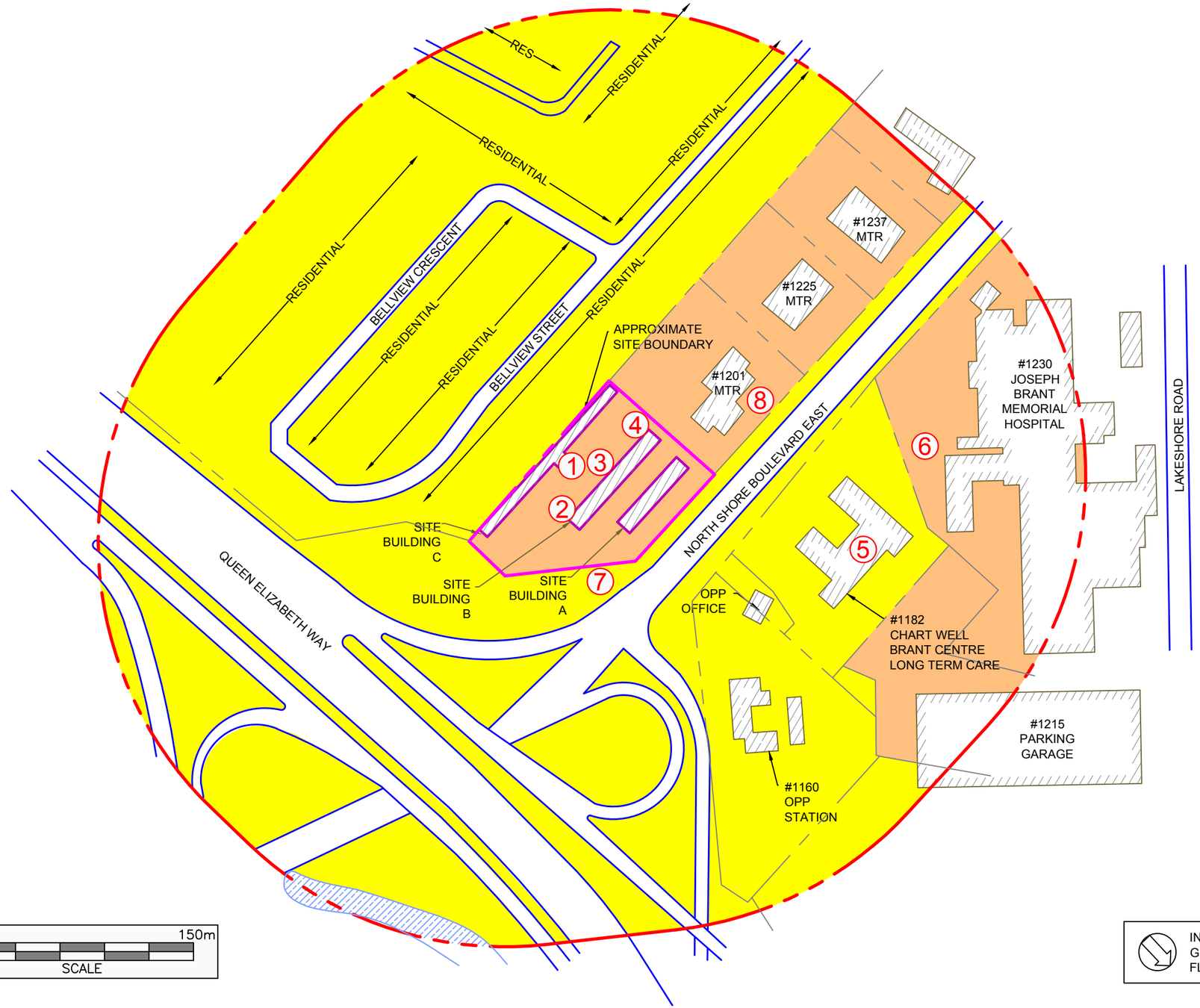
PROJECT NAME
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME
SPRUCE PARTNERS INC.

PROJECT LOCATION
1157-1171 NORTH SHORE BOULEVARD EAST, BURLINGTON, ONTARIO

FIGURE NAME
PHASE ONE STUDY AREA

SCALE	PROJECT NO.
AS SHOWN	212394
DATE	FIGURE NO.
MARCH 2018	3



LEGEND

RES	RESIDENTIAL
MTR	MULTI-TENANT RESIDENTIAL
	RESIDENTIAL/PARK/ INSTITUTIONAL PROPERTY USE
	INDUSTRIAL/COMMERCIAL/COMMUNITY PROPERTY USE
	PHASE ONE STUDY AREA BOUNDARY
#	PCA LOCATION
PCA	POTENTIALLY CONTAMINATING ACTIVITY

PINCHIN

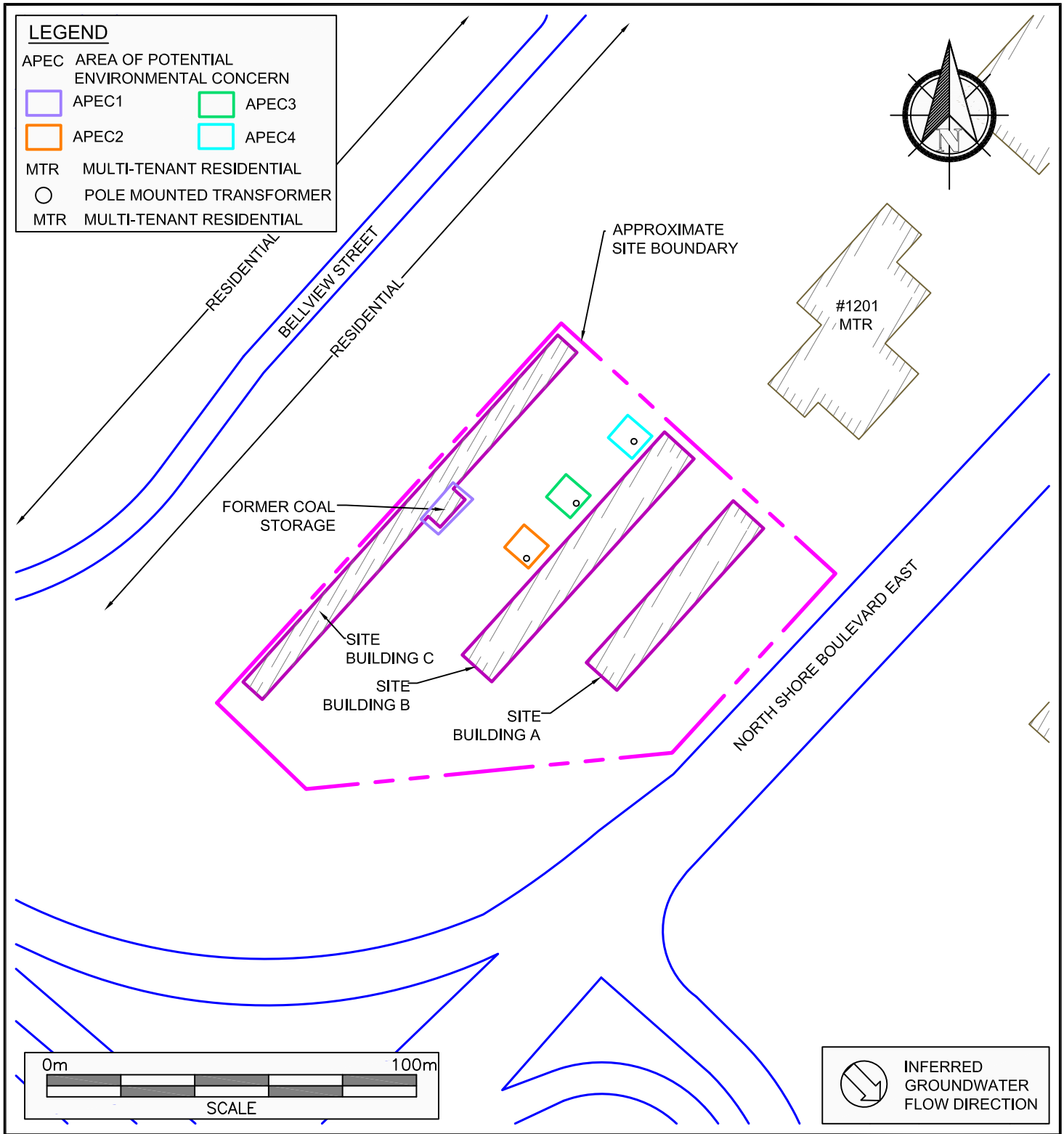
PROJECT NAME
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

CLIENT NAME
SPRUCE PARTNERS INC.

PROJECT LOCATION
1157-1171 NORTH SHORE BOULEVARD EAST, BURLINGTON, ONTARIO

FIGURE NAME
POTENTIALLY CONTAMINATING ACTIVITIES

SCALE	PROJECT NO.
AS SHOWN	212394
DATE	FIGURE NO.
MARCH 2018	4



PINCHIN

PROJECT NAME: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME: SPRUCE PARTNERS INC.			
PROJECT LOCATION: 1157-1171 NORTH SHORE BOULEVARD EAST, BURLINGTON, ONTARIO			
FIGURE NAME: AREAS OF POTENTIAL ENVIRONMENTAL CONCERN			FIGURE NO.: 5
SCALE: AS SHOWN	PROJECT NO.: 212394	DATE: MARCH 2018	

APPENDIX B
Photographs

Photo 1 – Northwest and northeast elevations of Site Building A, looking northwest.

Photo 2 – Northwest and southwest elevations of Site Building A, looking southeast.

Photo 3 – Northeast and southeast elevations of Site Building B, looking northwest.

Photo 4 – Northwest and southwest elevations of Site Building B, looking northeast.

Photo 5 – General exterior view of Site Building C (east elevation looking west).

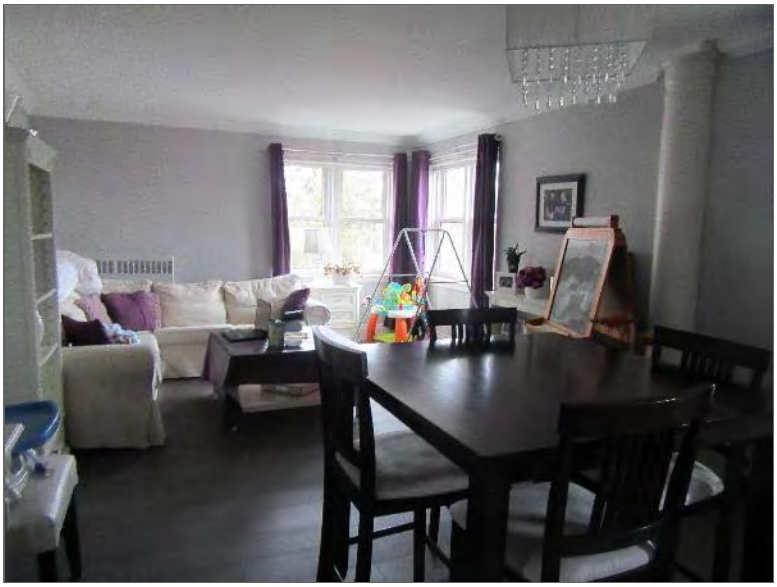


Photo 6 – Representative view of residential tenant units within Site Buildings A and B.

Photo 6 – Representative view of a storage/automotive storage unit located within Site Building C.

Photo 7 – General view of three pole-mounted transformers located on the central and northeast-central portion of the Phase One Property.

Photo 8 – Former coal storage area, located in the basement located within Site Building C.

Photo 9 – Representative view of the boiler room located within Site Building C.

Photo 10 – Pole-mounted transformer located immediately southeast of the Phase One Property.

Photo 11 – Surrouding properties northwest of the Phase One Property.

Photo 12 – Surrounding properties northeast of the Phase One Property.

Photo 13 – Surrounding properties southeast from the Phase One Property.

APPENDIX C

Survey Plan

PLAN BEING PART 1
MUST BE READ IN CONJUNCTION WITH SURVEY REPORT (PART 2)

SURVEYOR'S REAL PROPERTY REPORT WITH TOPOGRAPHIC FEATURES

PLAN OF SURVEY

PART OF LOT 23 REGISTERED PLAN 99

BEING IN THE

CITY OF BURLINGTON

REGIONAL MUNICIPALITY OF HALTON

SCALE 1 : 200

0 5 10 20 metres

KNOWN AS MUNICIPAL No. 1171 NORTH SHORE BOULEVARD EAST

REPORT SUMMARY (PART 2)

(to be read in conjunction with Part 1)

LAND REGISTRY OFFICE TITLE INFORMATION ON SUBJECT PROPERTY INCLUDING BOUNDARIES, EASEMENTS AND RIGHT OF WAYS — JANUARY 31, 2018

REGISTERED EASEMENTS AND/OR RIGHTS-OF-WAY:

SUBJECT TO EASEMENT AS IN INST. No. 111904

ADDITIONAL REMARKS:

REFER TO PART 1 OF SURVEY REPORT FOR THE LOCATION OF BUILDINGS, STRUCTURES, FENCES AND UTILITIES.

Note :

Mackay, Mackay & Peters Limited grants SPRUCE PARTNERS INC. ("The Client(s)") their solicitor and other related parties permission to use "Original Copies" of the Surveyor's Real Property Report in transactions involving "The Client(s)".

"METRIC" *DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048*

Benchmark Note:

CITY OF BURLINGTON BENCHMARK No. 292 ELEVATION = 83.706 METRES (CGVD-1929: 1978 ADJUSTMENT)

BRASS CAP IN SIDEWALK LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF NORTH SHORE BOULEVARD AND FRANCIS ROAD. MONUMENT LOCATED 15.25 METRES SOUTHWESTERLY FROM THE SOUTHWEST CORNER OF HOUSE NO. 1007 NORTH SHORE BOULEVARD, 6 METRES SOUTHEAST FROM THE HYDRO POLE (LIGHT POLE), FIRST POLE NORTH OF NORTH SHORE BOULEVARD ON THE EAST SIDE OF FRANCIS ROAD AND 8.2 METRES FROM THE CENTER LINE OF FRANCIS ROAD.

Legend :

- ■ DENOTES A SURVEY MONUMENT FOUND
- □ DENOTES A SURVEY MONUMENT PLANTED
- SIB DENOTES STANDARD IRON BAR
- WIT DENOTES WITNESS
- CM DENOTES CONCRETE MONUMENT
- PIN DENOTES PROPERTY IDENTIFICATION NUMBER
- P1 DENOTES PLAN 20R-6415
- P2 DENOTES PLAN 20R-3400
- P3 DENOTES PLAN 20R-5688
- P4 DENOTES PLAN BY MACKAY & MACKAY, DATED DECEMBER 27, 1950
- P5 DENOTES REGISTERED PLAN 610
- P6 DENOTES HALTON CONDOMINIUM PLAN 310
- P7 DENOTES HALTON CONDOMINIUM PLAN 134
- C1 DENOTES CALCULATED FROM P4 & P5
- C2 DENOTES CALCULATED FROM P3 & P4
- ℄ DENOTES CENTRE LINE
- HYPW DENOTES HYDRO POLE (WOOD)
- AW DENOTES ANCHOR WIRE
- RS DENOTES ROAD SIGN
- ORL DENOTES ORNAMENTAL STREET LIGHT
- LS DENOTES LIGHT STANDARD
- STM DENOTES STORM
- MH DENOTES MANHOLE
- DSILL DENOTES ELEVATION AT DOOR SILL
- BOL DENOTES BOLLARDS
- CB DENOTES CATCH BASIN
- GV DENOTES GAS VALVE
- DENOTES DECIDUOUS TREE SCALED TO CANOPY TRUNK SIZE NOTED IN METRES
- DENOTES CONIFEROUS TREE SCALED TO CANOPY TRUNK SIZE NOTED IN METRES

BUILDING TIES ARE TO FOUNDATION UNLESS OTHERWISE NOTED.

Bearing Reference :

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE NORTHWESTERLY LIMIT OF PLAN 20R-6415, HAVING A BEARING OF N42°26'50"E.

Surveyor's Certificate :

I CERTIFY THAT :

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH *THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT* AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 9th. DAY OF JULY, 2018.

JULY 18, 2018
DATE

ROY C. MAYO
ONTARIO LAND SURVEYOR
FOR MACKAY, MACKAY AND PETERS LIMITED

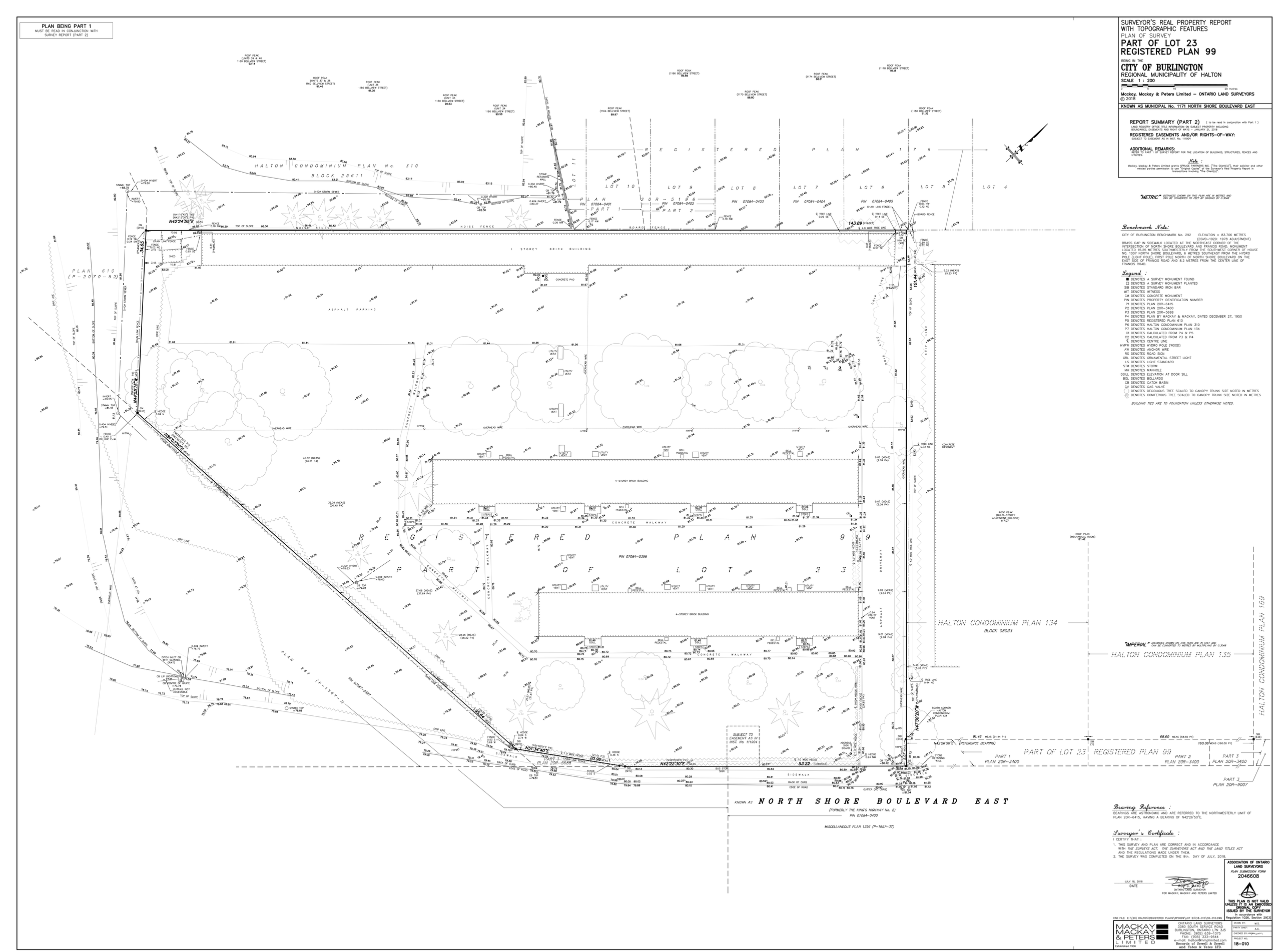
ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
2046608

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR
In accordance with Regulation 1026, Section 29(3)

CAD FILE: E:\(20) HALTON\REGISTERED PLANS\PT0099\LOT 23\18-010\18-010.DWG

MACKAY MACKAY & PETERS LIMITED
Established 1906
ONTARIO LAND SURVEYORS
3380 SOUTH SERVICE ROAD
BURLINGTON, ONTARIO L7N 3J5
PHONE: (905) 639-1375
FAX: (905) 333-9044
e-mail: halton@mmplimited.com
Records of Sewell & Sewell and Yates & Yates LTD.

DRAWN BY:	M.S.
PARTY CHIEF:	A.C.
CHECKED BY:	
PROJECT NO.:	18-010



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:

Anthony

Site Address:

1157 1159 1161 1163 1167 1169 1171 North Shore Boulevard East Burlington ON

Requested By:

Eleanor Goolab
Ecolog ERIS

Project No:

20180116104

Opta Order ID:

44709

Date Completed:

1/29/2018 10:12:24 AM

Project Name: unknown

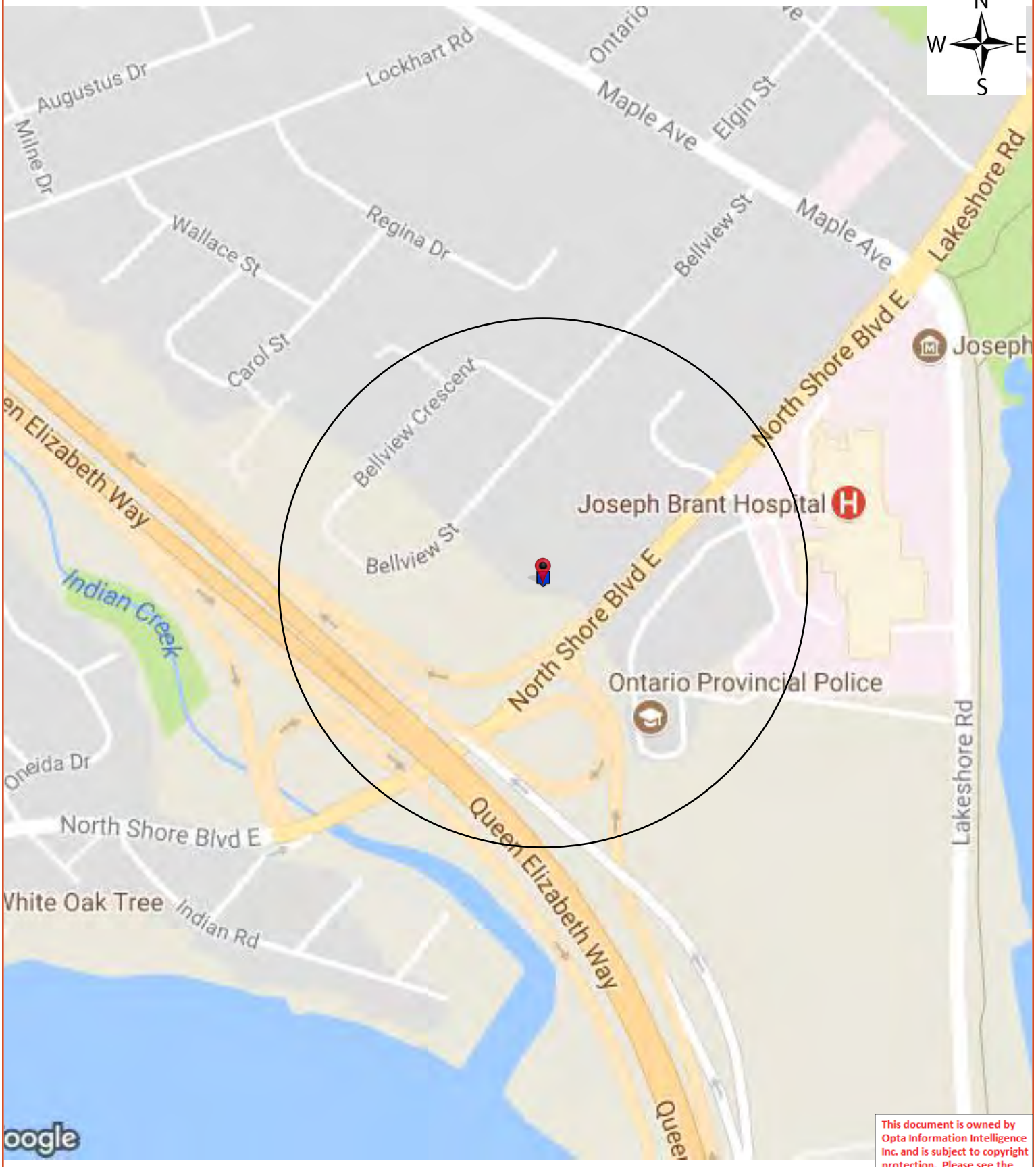
Project #: 20180116104
P.O. #: 212394

ENVIROSCAN Report

Search Area: 1157 1159 1161 1163 1167 1169 1171 North Shore Boulevard East Burlington ON

Requested by:
Eleanor Goolab
Date Completed: 01/29/2018 10:12:24

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.

Report Index

Page **Report Title**

APARTMENTS & CONDOMINIUMS Report - 1996 BRANT PARK CO-OP APARTMENTS 1157-1163 North Shore Blvd Burlinton ON n

APARTMENTS & CONDOMINIUMS

☑ Original Survey ☐ Follow-up Visit

CONFIDENTIAL

NOTE: The sole purpose of this report is to provide insurance pricing and underwriting information about the particular insured and location named below. Only the person requesting this survey will receive a copy of the report, and IAO / CRRS asks that it be kept strictly confidential. This report does not gurantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations.

Insured: BRANT PARK CO-OP APARTMENTS
Location Surveyed: 1157 - 1163 Northshore Blvd.
Burlington, Ontario
Postal Code: L7S 1C3
Person Contacted: Judy Weickert

Insurer: Economical Mutual Insurance Co.
Policy / Reference #: 4374492
Surveyed By: Arn Folliott
Date of Survey: April 29, 1996
Telephone #: (905) 632-2996

OCCUPANCY

Description of principal occupancy 32 units apartment complex.

Other Occupants None

Business Hours Accessible to tenants 24 hrs. a day.

BUILDING

Year Built: 1948 Additions

Building Renovated: ☑ No ☐ Yes 19____ Storeys: 3 Height 12 m m²

Ground Floor Area 720 m². Underground Parking Garage Areas: 1st Level ____ m². 2nd Level ____ m²

Total Underground Parking Garage Area: ____ m² Total Area: 2,880 m²

*If more than one building, refer to sketch for dimension and area. Basement Area 720 m²

Building Condition ☑ Good ☐ Fair ☐ Poor

Wall Construction
Non-Combustible ____ % Solid Masonry 100 % C.B.B.F.
Brick Venner ____ % Wood Frame ____ %
Load Bearing: ☑ Yes ☐ No

Roof Type: ☑ Flat ☐ Sloped ☐ Peaked ☐ Other ____

Roof Construction ☐ Wood Joist ☑ Concrete ☐ Steel Deck ☐ I ☐ II ☐ Other ____

Roof Covering ☑ Tar & Gravel ☐ Metal ☐ Asphalt Shingles ☐ Other ____

Resurfaced: ☑ No ☐ Yes 19 to be done in 1996

Floor Construction
Concrete 100 % Concrete on Metal Pan ____ %
Wood Joist ____ % ☐ Other ____ %

Vertical Openings: ☐ None ☑ Stairs ☐ Elevator ☐ Other ____

Horizontal Separations
Proper Protection ☐ Yes ☐ No ☑ Not Applicable
Major Partition Construction ☐ Not Applicable ☐ Frame ☑ Concrete Block ☐ Other:
Proper Opening Protection ☑ Yes ☐ No ☐ Not Applicable

Combustible Concealed Spaces ☐ Yes ☑ No
Proper Protection ☐ Yes ☐ No ☑ Not Applicable

Interior Finish
Walls: Combustible ____ % Non-Combustible 100 % Open ____ %
Ceilings: Combustible ____ % Non-Combustible 100 % Open ____ %

COMMON HAZARDS

	Extent of Exposure None	Slight	Moderate	Severe	
Smoking	☐	☐	☑	☐	Remarks: Unrestricted
Heating	☐	☑	☐	☐	Remarks: Good condition, upgraded in 1982 & 1994
Electrical Services	☐	☐	☑	☐	Remarks: Good condition
Housekeeping	☐	☑	☐	☐	Remarks: Garbage is removed daily

HEATING

Forced warm air: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other ____

Suspended unit heaters: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other ____

Portable Heaters: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other ____

Electric baseboard units: ____%

Hot water/steam : 100% ☐ Electric ☑ Gas ☐ Oil ☐ Other ____

Boiler ☑ Yes ☐ No Age and Make 1982 - CLEAVER BROOKS ☐ N/A

Date of last boiler inspection July, 1995 Boiler Inspection by Insurance Co.

Other: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other

Appliance enclosed in a non-combustible room: ☑ Yes ☐ No ☐ Not required

Combustible materials stored in the room: ☐ Yes ☑ No ☐ Not applicable

Fuel Tanks: ☑ None ☐ Inside ☐ Outside above ground ☐ Outside below ground

Fill vent and piping outdoors ☐ Yes ☐ No ____

Chimney: ☑ Masonry ☐ ULC Factory Built ☐ Unlabelled pre-fab ☐ Other ____

☐ Standard ☑ Non-Standard (Rec. made)

Installation appears safe: ☑ Yes ☐ No ____

Installation replaced: ☐ No ☑ Yes 1982 100 %

ELECTRICAL

Type: ☑ Conduit ☑ BX ☐ Non-Metallic ☐ Other ____

Overcurrent protection: ☑ Circuit breakers ☐ Type P fuses ☐ Type D fuses ☐ Other ____

Condition: ☑ Good ☐ Fair ☐ Poor ____

Remarks: ____

Installation appears safe: ☑ Yes ☐ No Installation replaced: ☐ No ☐ Yes 19____ ____%

Remarks: ____

Partial Changes / Extensions: ☑ No ☐ Yes ____

Emergency Power Generator: ☑ No ☐ Yes ☐ Diesel ☐ Oil ☐ Gas ☐ Other ____

PLUMBING

Type: ☑ Copper ☐ Galvanized ☐ Plastic ☐ Other ____

Condition: ☑ Good ☐ Fair ☐ Poor Installation replaced: ☐ No ☑ Yes 1995 100 %

Remarks: ____

EXPOSURE TO PROPERTY

	Distance	Height	Construction	Occupancy	Opening in Facing Wall Yes	Opening in Facing Wall No
Front	16 m.	3 Sto.	Masonry	Apartment Complex	✓	
Rear	m.	Sto.	Open to parking lot			
Left	m.	Sto.	" " yard area			
Right	5 m.	12 Sto.	Masonry	Apartment Complex	✓	

CRIME

Neighbourhood

Crime Experience: ☑ Low ☐ Moderate ☐ High

☑ Residential ☐ Commercial ☐ Industrial ☐ Rural ☐ Isolated

Appears to be: ☑ Stable Changing via: ☐ Expansion/growth ☐ Renovation ☐ Deterioration

General Protection

Effective exterior lighting ☑ Yes ☐ No Effective interior lighting ☑ Yes ☐ No

Premises fully fenced ☐ Yes ☑ No Regular police patrols ☑ Yes ☐ No

Security guard services: ☑ None ☐ For building

Security System Video camera surveillance ☐ Yes ☑ No

Premises alarm system in use: ☐ Yes ☑ No ☐ N/A Extent of protection: ☐ Perimeter ☐ Space / area ☐ Not determined

Monitored by: ☐ ULC Monitoring Station ☐ Unlisted Service ☐ Local alarm

Line security: ☐ Dedicated line ☐ Digital dialer ☐ Other _____

Physical Protection

Door locks: ☑ Deadbolt ☐ Spring ☐ Other _____

Describe other protection, if any: _____

LIABILITY

	Extent of Exposure			
	Slight	Moderate	Severe	Describe
Slipping	☑	☐	☐	No unusual conditions
Sidewalks / Walkways	☑	☐	☐	No construction deficiencies noted
Floor Surfaces and Coverings	☑	☐	☐	Good condition
Fire Exit Markings	☑	☐	☐	Adequate
Exit Obstructions	☐	☐	☐	None
Stairs / Ramps	☑	☐	☐	Standard rise and run dimensions
Handrails to Stairs / Ramps	☑	☐	☐	Secure to the walls
Fire Escapes	☐	☐	☐	None
Underground Parking Garage	☐	☐	☐	None
Other Parking Areas	☑	☐	☐	Surface in good condition
Snow & Ice Removal	☑	☐	☐	Outside contractor responsibility
General Housekeeping	☑	☐	☐	Good
Emergency Lighting	☑	☐	☐	Adequate
Interior Lighting	☑	☐	☐	Good
Exterior Lighting	☑	☐	☐	"
Laundry Facilities	☑	☐	☐	4 laundry rooms with 1 washer & 1 dryer each.
Party Room	☐	☐	☐	None
Day Care Facilities	☐	☐	☐	"
Allurements	☐	☐	☐	"
Senior's Apartments	☐	☐	☐	"

Fire Safety Plan in Place ☐ Yes ☑ No

Briefly describe evacuation procedures: _____

Are fire drills conducted: ☑ No ☐ Yes Frequency: _____

Emergency Power Systems Tested ☐ Yes ☑ No All Test Records Kept on File ☐ Yes ☐ No

FIRE PROTECTION

Public

F.U.S. Protection Class: 3

Responding Fire Department:: Burlington (H.P.A.) ☑ Full Time ☐ Volunteer ☐ Composite

Distance to Fire Department: 2 km. Roads: ☑ Paved ☐ Unpaved

Accessible Year-round: ☑ Yes ☐ No Difficult access for Fire Dept: ☐ Yes ☑ No

No. of Hydrants: 2 within 155m. _____ within 156m.-305m. _____ over 305m. ☐ None

Private

Are the following adequate?

Portable Extinguishers:	☐ Yes	☑ No	Date last serviced: 1994
Security Guard Service / Desk:	☐ Yes	☐ No	☑ N/A
Standpipe / Inside Hose:	☐ Yes	☐ No	☑ N/A
Fire Detection System:	☑ Yes	☐ No	☐ N/A
Connected to :	☐ ULC Central Station	☐ ULC Monitoring Station	
	☐ Unlisted Service	☑ Local Only	
	☐ Fire/Police Department	☐ Other _____	
Self Closing Doors on All Apartments	☑ Yes ☐ No		
Voice Communication System	☐ Yes ☑ No	Tested ☐ Yes ☐ No	
Heat / Smoke Detectors in Each Unit	☑ Yes ☐ No	Tested ☐ Yes ☑ No	

Automatic Sprinkler Protection: ☑ None ☐ Partial ☐ Full Premises

Type of system ☐ Wet ☐ Dry ☐ Preaction ☐ Deluge

Date system last inspected/ serviced: _____

Name of contractor / service company: _____

System tested at time of survey:	☐ Yes	☐ No
Connected to :	☐ ULC Central Station	☐ ULC Monitoring Station
	☐ Unlisted Service	☐ Local Only
	☐ Fire/Police Department	☐ Other _____

BUSINESS INTERRUPTION

Insured is: ☐ Landlord ☐ Condominium Corporation ☑ Other Co-Operative

Secondary Power Supply: ☐ Yes ☑ No Automatic Transfer Switch: ☐ Yes ☑ No

Replacement time for equipment: easily replaced

Is there a disaster recovery plan in place ☑ No ☐ Yes Last reviewed / Updated _____

GENERAL REMARKS

Insured have owned since: 19 48

Premises in good condition and well maintained: ☑ Yes ☐ No Superintendent / Janitor lives on premises: ☑ Yes ☐ No

Insured appears to be interested in loss prevention: ☑ Yes ☐ No

Losses during last 2 years: ☐ None ☑ Yes Water Damage 2500 - 5000.00 (See remarks)

Controlled access to building: ☑ No ☐ Yes > ☐ Card ☐ Key ☐ Other _____

LIABILITY (Cont'd)

Exercise Facilities ☑ None

Weight / Exercise Room

Supervised: ☐ No ☐ Yes Qualifications of supervisor _____

Briefly describe equipment _____

Does the equipment appear to be well maintained: ☐ Yes ☐ No _____

Does the Sauna(s) appear to be well arranged and maintained: ☐ Yes ☐ No ☐ N/A _____

Does the Whirlpool(s) appear to be well maintained: ☐ Yes ☐ No ☐ N/A _____

Playground ☑ None

Playground Equipment: _____ Swings _____ Teeter Totters _____ Climbers _____ Creative Play Structures
_____ Merry Go Rounds / Whirlers _____ Rocking Equipment _____ Slides _____ Others

Stable: ☐ Yes ☐ No Well maintained: ☐ Yes ☐ No

Describe general site conditions: _____

Playground supervised: ☐ Yes ☐ No Playspace / Equipment segregated: ☐ Yes ☐ No

Qualifications of playground supervisor(s) _____

Describe Signage: _____

Swimming Pool ☑ None

General Description

☐ Outdoor ☐ Below Grade ☐ Heated ☐ Indoor ☐ Above Grade

Construction ☐ Concrete ☐ Steel ☐ Other _____
☐ Fiberglass ☐ Vinyl

Age: _____ General Condition ☐ Good ☐ Fair ☐ Poor

Dimensions: W_____m. x L_____m. Depth: Maximum_____m. Minimum _____m.

Maximum Capacity: _____ persons Hours of Use : _____

☐ Public ☐ Private

Is the swimming pool supervised: ☐ No ☐ Yes Qualifications of Lifeguard(s): _____

Do each of the following appear satisfactorily arranged?

	Yes	No	N/A
Diving Boards(s)	☐	☐	☐
Number: _____ Height:_____m.			
Pool Slide	☐	☐	☐
Change Rooms / Locker Rooms	☐	☐	☐
Depth Indicators	☐	☐	☐
Clearance Around Pool Edge	☐	☐	☐
Condition of Floor Cover Material	☐	☐	☐
Condition of Furnishings / Fixed Seating	☐	☐	☐
Balconies or Observation Areas	☐	☐	☐
Fence Enclosure Height and Gate Security	☐	☐	☐
Water Quality Control Procedures	☐	☐	☐

GENERAL REMARKS

The premises are well maintained and in good condition considering the building age.

The building is located on a busy street with various apartment blocks in the area.

Borrowed heat is provided from a boiler room located at the rear of the premises in the parking garage area 36 m to the rear. The parking garage capacity for 38 cars, having concrete block brick faced walls, concrete floor and wood joist roof construction, area is 129mX7m.

The water damage in 1996 is still being negotiated, and claim not decided yet.

According to contact the roof is to be resurfaced in 1996. All fire alarms, apartments and laundry doors were all upgraded in 1995. Local smoke and heat detectors were installed in 1995 in the common hallways. Each tenant is responsible for their unit' smoke and heat detectors and most apparently are so equipped.

Portable fire extinguishers in common hallways are not serviced annually (Rec. made).

The chimney in the boiler room has loose bricks (Rec. made).

The contact was helpfull at the time of this survey and appears interested in loss control.

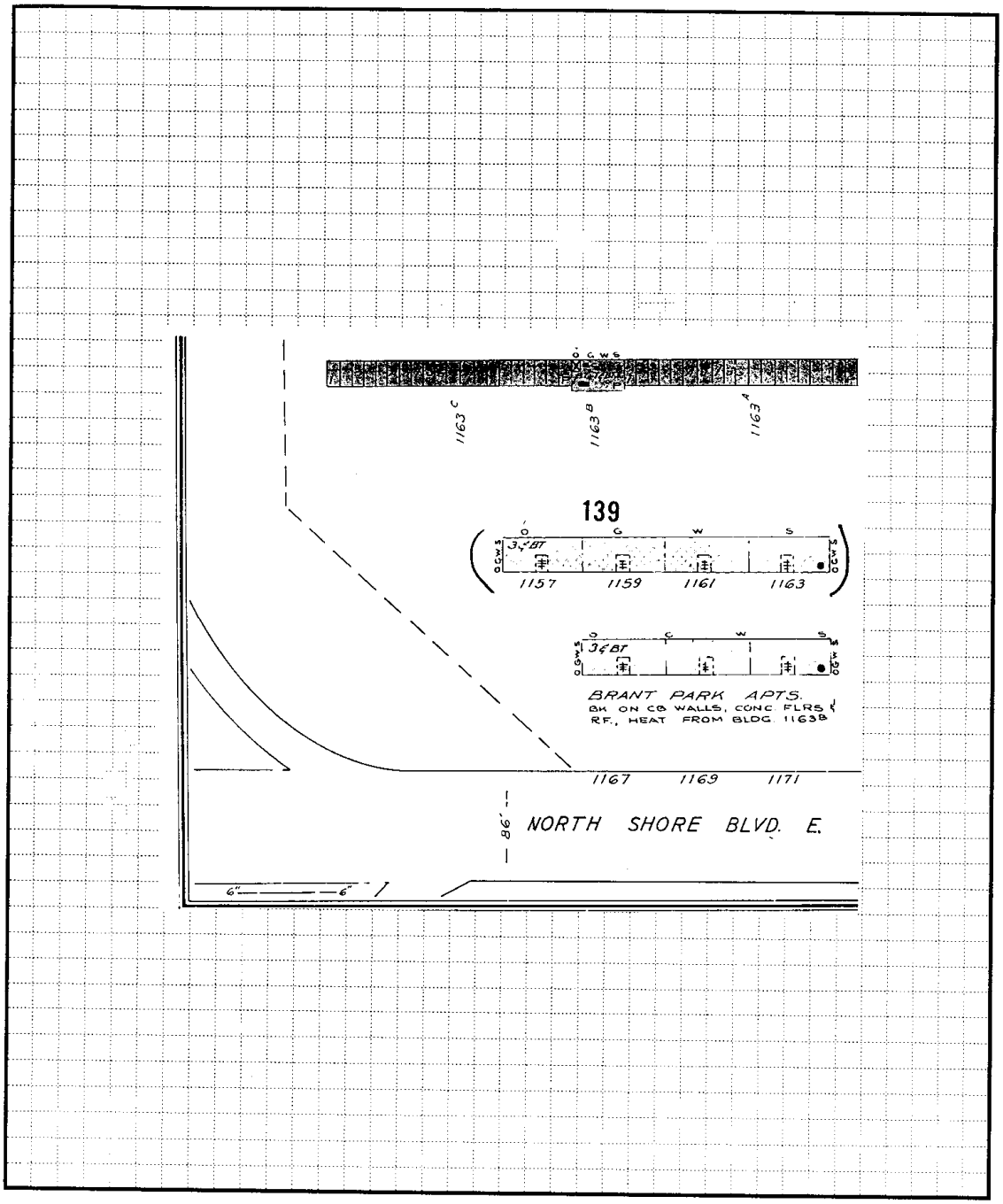
RECOMMENDATIONS

96-1 All portable fire extinguishers in the common hallways should be serviced at least once a year and tagged with the name of the servicing company and the date of service

96-2 The chimney loose brickwork in the boiler room should be repointed as soon as possible to prevent further deterioration.

☐ None made at this time.

SKETCH (Including dimensions, ground floor area(s), separation between buildings on site, hydrants etc.)



☐ Not to scale

☑ Scale ☐ 1cm = 6m (1" = 50') ☑ 1cm = 12m (1" = 100')

BUILDING EVALUATION DATA SUPPLEMENT

INSURED: BRANT PARK CO-OP APARTMENTS DATE: April 29, 1996

ADDRESS: 1157-1163 Northshore Blvd. IAO REPRESENTATIVE: Arn Folliott

Burlington, Ontario BY: Economical Mutual Insurance Co.

POLICY NO.: 4374492

Number of Building Sections (including Basement): 2

If Basement, under which building section is it: 1

SECTION I

Description: Apartment Building

Construction: 100% Concrete Block Brick Faced walls

Dimensions (ft.): 262 X 30

No. of Storeys: 3

Storey Height (ft.): 10

SECTION II

Description: Finished basement

Construction: Reinforced concrete walls

Dimensions (ft.): 262X30

No. of Storeys: 1

Storey Height (ft.): 6

SECTION III

Description:

Construction:

Dimensions (ft.):

No. of Storeys:

Storey Height (ft.):

APARTMENTS & CONDOMINIUMS Report - 1996 BRANT PARK CO-OP APARTMENTS 1167-1171 North Shore Blvd Burlinton ON n

APARTMENTS & CONDOMINIUMS

☑ Original Survey ☐ Follow-up Visit

CONFIDENTIAL

NOTE: The sole purpose of this report is to provide insurance pricing and underwriting information about the particular insured and location named below. Only the person requesting this survey will receive a copy of the report, and IAO / CRRS asks that it be kept strictly confidential. This report does not gurantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations.

Insured: BRANT PARK CO-OP APARTMENTS
Location Surveyed: 1167 - 1171 Northshore Blvd.
Burlington, Ontario
Postal Code: L7S 1C3
Person Contacted: Judy Weickert

Insurer: Economical Mutual Insurance Co.
Policy / Reference #: 4374492
Surveyed By: Arn Folliott
Date of Survey: April 29, 1996
Telephone #: (905) 632-2996

OCCUPANCY

Description of principal occupancy: Apartment House Complex with 24 units total.

Other Occupants: None

Business Hours: Accessible 24 hrs by tenants.

BUILDING

Year Built: 1948 Additions

Building Renovated: ☑ No ☐ Yes 19____ Storeys: 3 Height 12m m

Ground Floor Area 558 m². Underground Parking Garage Areas: 1st Level ____ m². 2nd Level ____ m²

Total Underground Parking Garage Area: ____ m² Total Area: 2,232 m²

*If more than one building, refer to sketch for dimension and area. Basement Area 558 m²

Building Condition: ☑ Good ☐ Fair ☐ Poor

Wall Construction: Non-Combustible ____ % Solid Masonry 100 %; Brick Venner ____ % Wood Frame ____ %; Load Bearing: ☑ Yes ☐ No

Roof Type: ☑ Flat ☐ Sloped ☐ Peaked ☐ Other ____

Roof Construction: ☐ Wood Joist ☑ Concrete ☐ Steel Deck ☐ I ☐ II ☐ Other ____

Roof Covering: ☑ Tar & Gravel ☐ Metal ☐ Asphalt Shingles ☐ Other ____

Resurfaced: ☑ No ☐ Yes 19____

Floor Construction: Concrete 100 % Concrete on Metal Pan ____ %; Wood Joist ____ % ☐ Other ____ %

Vertical Openings: ☐ None ☑ Stairs ☐ Elevator ☐ Other ____

Horizontal Separations: Proper Protection ☐ Yes ☐ No ☑ Not Applicable; Major Partition Construction ☐ Not Applicable ☐ Frame ☑ Concrete Block ☐ Other:; Proper Opening Protection ☑ Yes ☐ No ☐ Not Applicable

Combustible Concealed Spaces: ☐ Yes ☑ No

Proper Protection ☐ Yes ☐ No ☑ Not Applicable

Interior Finish — Walls: Combustible ____ % Non-Combustible 100 % Open ____ %; Ceilings: Combustible ____ % Non-Combustible 100 % Open ____ %

COMMON HAZARDS

	Extent of Exposure None	Slight	Moderate	Severe	
Smoking	☐	☐	☑	☐	Remarks: Unrestricted
Heating	☐	☑	☐	☐	Remarks: Good condition, upgraded in 1982 & 1994
Electrical Services	☐	☐	☑	☐	Remarks: Good condition
Housekeeping	☐	☑	☐	☐	Remarks: Garbage is removed daily

HEATING

Forced warm air: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other ____

Suspended unit heaters: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other ____

Portable Heaters: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other ____

Electric baseboard units: ____%

Hot water/steam : 100% ☐ Electric ☑ Gas ☐ Oil ☐ Other ____

Boiler ☑ Yes ☐ No Age and Make 1982 - CLEAVER BROOKS ☐ N/A

Date of last boiler inspection July, 1995 Boiler Inspection by Insurance Co.

Other: ____% ☐ Electric ☐ Gas ☐ Oil ☐ Other

Appliance enclosed in a non-combustible room: ☑ Yes ☐ No ☐ Not required

Combustible materials stored in the room: ☐ Yes ☑ No ☐ Not applicable

Fuel Tanks: ☑ None ☐ Inside ☐ Outside above ground ☐ Outside below ground

Fill vent and piping outdoors ☐ Yes ☐ No ____

Chimney: ☑ Masonry ☐ ULC Factory Built ☐ Unlabelled pre-fab ☐ Other ____

☐ Standard ☑ Non-Standard

Installation appears safe: ☑ Yes ☐ No ____

Installation replaced: ☐ No ☑ Yes 19 82 100 %

ELECTRICAL

Type: ☑ Conduit ☑ BX ☐ Non-Metallic ☐ Other ____

Overcurrent protection: ☑ Circuit breakers ☐ Type P fuses ☐ Type D fuses ☐ Other ____

Condition: ☑ Good ☐ Fair ☐ Poor ____

Remarks: ____

Installation appears safe: ☑ Yes ☐ No Installation replaced: ☑ No ☐ Yes 19____ ____%

Remarks: ____

Partial Changes / Extensions: ☑ No ☐ Yes ____

Emergency Power Generator: ☑ No ☐ Yes ☐ Diesel ☐ Oil ☐ Gas ☐ Other ____

PLUMBING

Type: ☑ Copper ☐ Galvanized ☐ Plastic ☐ Other ____

Condition: ☑ Good ☐ Fair ☐ Poor Installation replaced: ☑ No ☐ Yes 19____ ____%

Remarks: ____

EXPOSURE TO PROPERTY

	Distance	Height	Construction	Occupancy	Opening in Facing Wall Yes	Opening in Facing Wall No
Front	m.	Sto.	Open to street			
Rear	16 m.	3 Sto.	Masonry	Apartment Complex	✓	
Left	m.	Sto.	Open to yard area			
Right	25 m.	12 Sto.	Masonry	Apartment Complex	✓	

FIRE PROTECTION

Public

F.U.S. Protection Class: 3

Responding Fire Department:: Burlington (H.P.A.) ☑ Full Time ☐ Volunteer ☐ Composite

Distance to Fire Department: 2 km. Roads: ☑ Paved ☐ Unpaved

Accessible Year-round: ☑ Yes ☐ No Difficult access for Fire Dept: ☐ Yes ☑ No

No. of Hydrants: 2 within 155m. _____ within 156m.-305m. _____ over 305m. ☐ None

Private

Are the following adequate?

Portable Extinguishers:	☐ Yes	☑ No	Date last serviced: 1994 (Rec. made)
Security Guard Service / Desk:	☐ Yes	☐ No	☑ N/A
Standpipe / Inside Hose:	☐ Yes	☐ No	☑ N/A
Fire Detection System:	☑ Yes	☐ No	☐ N/A
Connected to :	☐ ULC Central Station	☐ ULC Monitoring Station	
	☐ Unlisted Service	☑ Local Only	
	☐ Fire/Police Department	☐ Other _____	
Self Closing Doors on All Apartments	☑ Yes ☐ No		
Voice Communication System	☐ Yes ☑ No Tested	☐ Yes ☐ No	
Heat / Smoke Detectors in Each Unit	☑ Yes ☐ No Tested	☐ Yes ☐ No	

Automatic Sprinkler Protection: ☑ None ☐ Partial ☐ Full Premises

Type of system ☐ Wet ☐ Dry ☐ Preaction ☐ Deluge

Date system last inspected/ serviced: _____

Name of contractor / service company: _____

System tested at time of survey:	☐ Yes	☐ No
Connected to :	☐ ULC Central Station	☐ ULC Monitoring Station
	☑ Unlisted Service	☐ Local Only
	☐ Fire/Police Department	☐ Other _____

BUSINESS INTERRUPTION

Insured is: ☐ Landlord ☐ Condominium Corporation ☑ Other Co-operative

Secondary Power Supply: ☐ Yes ☑ No Automatic Transfer Switch: ☐ Yes ☑ No

Replacement time for equipment: Easily replaced

Is there a disaster recovery plan in place ☑ No ☐ Yes Last reviewed / Updated _____

GENERAL REMARKS

Insured have owned since: 19 48

Premises in good condition and well maintained: ☑ Yes ☐ No Superintendent / Janitor lives on premises: ☑ Yes ☐ No

Insured appears to be interested in loss prevention: ☑ Yes ☐ No

Losses during last 2 years: ☑ None ☐ Yes _____

Controlled access to building: ☑ No ☐ Yes > ☐ Card ☐ Key ☐ Other _____

CRIME

Neighbourhood
Crime Experience: ☑ Low ☐ Moderate ☐ High
☑ Residential ☐ Commercial ☐ Industrial ☐ Rural ☐ Isolated
Appears to be: ☑ Stable Changing via: ☐ Expansion/growth ☐ Renovation ☐ Deterioration

General Protection
Effective exterior lighting ☑ Yes ☐ No Effective interior lighting ☑ Yes ☐ No
Premises fully fenced ☐ Yes ☑ No Regular police patrols ☑ Yes ☐ No
Security guard services: ☑ None ☐ For building

Security System Video camera surveillance ☐ Yes ☑ No
Premises alarm system in use: ☐ Yes ☑ No ☐ N/A Extent of protection: ☐ Perimeter ☐ Space / area ☐ Not determined
Monitored by: ☐ ULC Monitoring Station ☐ Unlisted Service ☐ Local alarm
Line security: ☐ Dedicated line ☐ Digital dialer ☐ Other _____

Physical Protection
Door locks: ☑ Deadbolt ☐ Spring ☐ Other _____
Describe other protection, if any: _____

LIABILITY

	Extent of Exposure			Describe
	Slight	Moderate	Severe	
Slipping	☑	☐	☐	No unusual conditions
Sidewalks / Walkways	☑	☐	☐	No visible construction deficiencies noted
Floor Surfaces and Coverings	☑	☐	☐	Good condition
Fire Exit Markings	☑	☐	☐	Adequate
Exit Obstructions	☑	☐	☐	None
Stairs / Ramps	☑	☐	☐	Standard rise and run dimensions
Handrails to Stairs / Ramps	☑	☐	☐	Secure to wall
Fire Escapes	☑	☐	☐	None
Underground Parking Garage	☑	☐	☐	"
Other Parking Areas	☑	☐	☐	Surface in good condition
Snow & Ice Removal	☑	☐	☐	Outside contracto responsibility
General Housekeeping	☑	☐	☐	Good
Emergency Lighting	☑	☐	☐	Adequate
Interior Lighting	☑	☐	☐	"
Exterior Lighting	☑	☐	☐	"
Laundry Facilities	☑	☐	☐	3 rooms with 1 washer and 1 dryer
Party Room	☐	☐	☐	None
Day Care Facilities	☐	☐	☐	"
Allurements	☐	☐	☐	"
Senior's Apartments	☐	☐	☐	"

Fire Safety Plan in Place ☐ Yes ☑ No
Briefly describe evacuation procedures: _____

Are fire drills conducted: ☑ No ☐ Yes Frequency: _____
Emergency Power Systems Tested ☐ Yes ☑ No All Test Records Kept on File ☐ Yes ☐ No

LIABILITY (Cont'd)

Exercise Facilities ☑ None

Weight / Exercise Room

Supervised: ☐ No ☐ Yes Qualifications of supervisor _____

Briefly describe equipment _____

Does the equipment appear to be well maintained: ☐ Yes ☐ No _____

Does the Sauna(s) appear to be well arranged and maintained: ☐ Yes ☐ No ☐ N/A _____

Does the Whirlpool(s) appear to be well maintained: ☐ Yes ☐ No ☐ N/A _____

Playground ☑ None

Playground Equipment: _____ Swings _____ Teeter Totters _____ Climbers _____ Creative Play Structures
_____ Merry Go Rounds / Whirlers _____ Rocking Equipment _____ Slides _____ Others

Stable: ☐ Yes ☐ No Well maintained: ☐ Yes ☐ No

Describe general site conditions: _____

Playground supervised: ☐ Yes ☐ No Playspace / Equipment segregated: ☐ Yes ☐ No

Qualifications of playground supervisor(s) _____

Describe Signage: _____

Swimming Pool ☑ None

General Description

☐ Outdoor ☐ Below Grade ☐ Heated ☐ Indoor ☐ Above Grade

Construction ☐ Concrete ☐ Steel ☐ Other _____
☐ Fiberglass ☐ Vinyl

Age: _____ General Condition ☐ Good ☐ Fair ☐ Poor

Dimensions: W_____m. x L_____m. Depth: Maximum_____m. Minimum _____m.

Maximum Capacity: _____ persons Hours of Use : _____

☐ Public ☐ Private

Is the swimming pool supervised: ☐ No ☐ Yes Qualifications of Lifeguard(s): _____

Do each of the following appear satisfactorily arranged?

	Yes	No	N/A
Diving Boards(s)	☐	☐	☐
Number: _____ Height:_____m.			
Pool Slide	☐	☐	☐
Change Rooms / Locker Rooms	☐	☐	☐
Depth Indicators	☐	☐	☐
Clearance Around Pool Edge	☐	☐	☐
Condition of Floor Cover Material	☐	☐	☐
Condition of Furnishings / Fixed Seating	☐	☐	☐
Balconies or Observation Areas	☐	☐	☐
Fence Enclosure Height and Gate Security	☐	☐	☐
Water Quality Control Procedures	☐	☐	☐

GENERAL REMARKS

The premises are well maintained and in good condition considering the building age.

The building is located on a busy street with various apartment blocks in the area,

Borrowed heat is provided from a boiler room located in the parking garage area at the rear. The parking garage has capacity for 38 cars. Its walls are concrete block construction an concrete on grade floor and wood joist roof, approximately 129 m X 7 m.

Fire alarms, apartments and laundry room doors were all upgraded in 1995. Local smoke and heat detectors were installed in 1995 in the common hallways. Each tenant is responsible for individual units smoke and heat detection devices and apparently most of them are so equipped.

The chimney for the boiler room has loose frick work (Rec. made).

The contact was helpful at the time of the survey and appears interested in loss control.

RECOMMENDATIONS

96-1 All portable fire extinguishers in the common hallway should be serviced and tagged once a year by a listed service contractor to ensure its reliability and good working order.

96-2 The loose brick work in the boiler room chimney should be repointed to prevent further deterioration.

☐ None made at this time.

BUILDING EVALUATION DATA SUPPLEMENT

INSURED: BRANT PARK CO-OP APARTMENTS DATE: April 29, 1996

ADDRESS: 1167 - 1171 Northshore Blvd. IAO REPRESENTATIVE: Arn Folliott

Burlington, Ontario BY: Economical Mutual Insurance Co.

POLICY NO.: 4374491

Number of Building Sections (including Basement): 2

If Basement, under which building section is it: 1

SECTION I

Description: Apartment Building

Construction: 100% Brick on concrete block walls

Dimensions (ft.): 203 X 30

No. of Storeys: 3

Storey Height (ft.):

SECTION II

Description: Finished basement

Construction: Reinforced concrete

Dimensions (ft.): 203 x 30

No. of Storeys: 1

Storey Height (ft.): 6

SECTION III

Description:

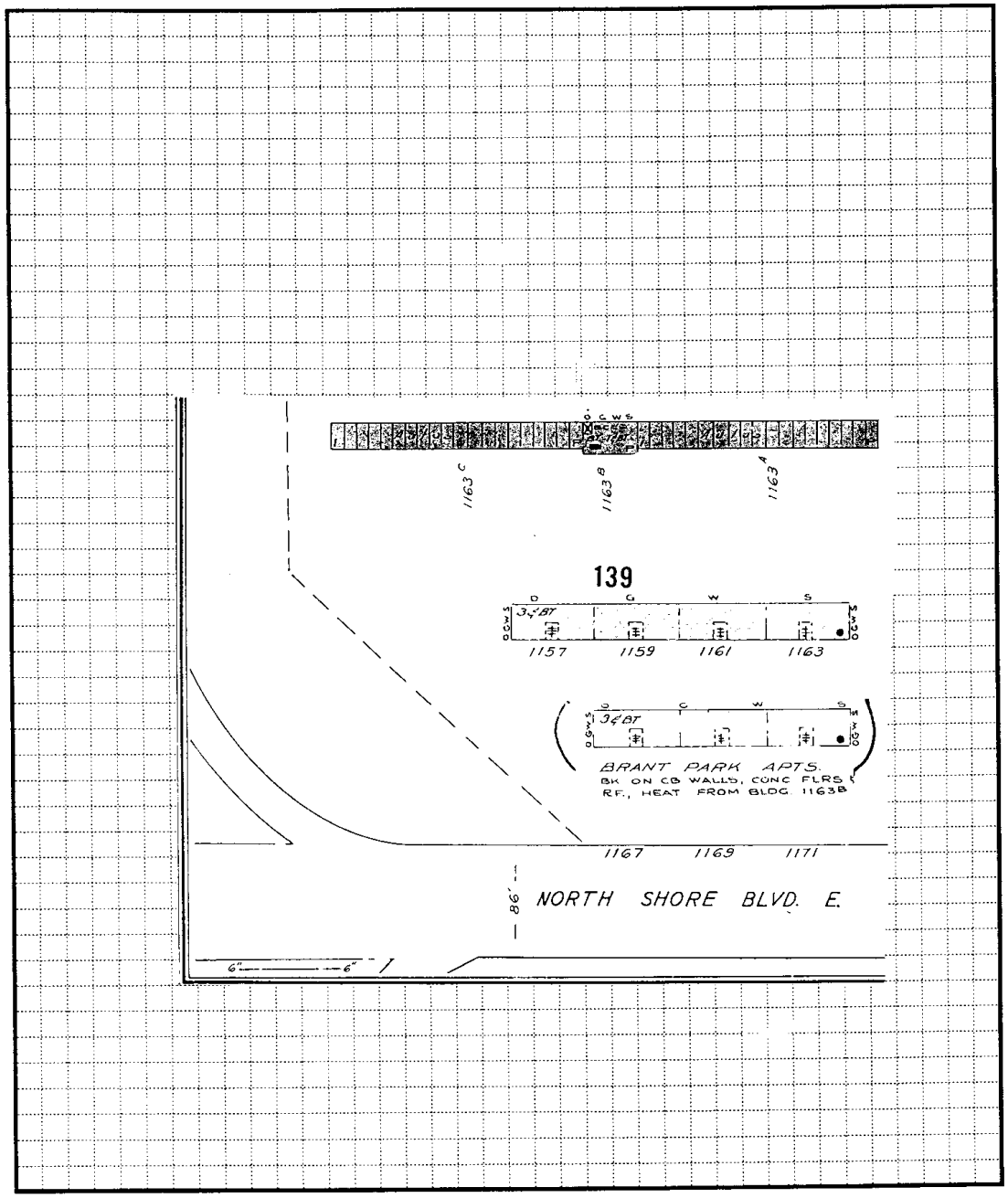
Construction:

Dimensions (ft.):

No. of Storeys:

Storey Height (ft.):

SKETCH (Including dimensions, ground floor area(s), separation between buildings on site, hydrants etc.)



☐ Not to scale

☑ Scale ☐ 1cm = 6m (1" = 50') ☑ 1cm = 12m (1" = 100')

LCTS.517.0:95

APPENDIX E

Chain of Title Search Results

CHAIN OF TITLE REPORT

Project # 20180116104
Address: 1157 North Shore Blvd., E., Burlington
Legal Description: Part Lot 23 RCP Plan 99 as in 49127 Except Part 1 20R5688 & Plan 610
PIN# 07084-0398 (LT)

Searched at: Milton
LRO #: 20

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	14 02 1798	Crown	Capt. Joseph BRANT
30	Deed	27 09 1831	Joseph Brant	William John Simcoe KERR
293	Deed	03 12 1869	William John Simcoe Kerr	James McMURRAY
328	Deed	15 01 1870	James McMurray	Benjamin EAGER
1330	Deed	11 07 1874	Benjamin Eager	James EAGER
1635D	Deed	15 07 1875	James Eager	Henry Thomson FOSTER
16878	Deed	27 01 1939	Henry Thomson Foster	Sylvester James SHARP
16879	Mortgage	27 01 1939	Sylvester James Sharp	Paul Allen FISHER (Mortgagee)
31269	Deed (Power of Sale)	12 06 1948	Paul Allen Fisher (Sylvester James Sharp defaulted in Mtg 16879)	Jacob COOKE

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project # 20180116104
Address: 1157 North Shore Blvd., E., Burlington
Legal Description: Part Lot 23 RCP Plan 99 as in 49127 Except Part 1 20R5688 & Plan 610
PIN# 07084-0398 (LT)

Searched at: Milton
LRO #: 20

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
49127	Deed **(Present Owner)**	11 04 1956	Jacob Cooke	**Brant Park Co-Operative Apartments (Burlington) Limited**
111904	Easement	06 06 1960	Brant Park Co-Operative Apartments (Burlington) Limited	The Corporation of The Town of Burlington

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #20

07084-0398 (LT)

PREPARED FOR Bertuccil
ON 2018/01/22 AT 15:19:21

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

PROPERTY DESCRIPTION: PT LT 23 , RCP PL99 , AS IN 49127 EXCEPT PT 1 20R5688 & PL610 ; S/T 111904 BURLINGTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

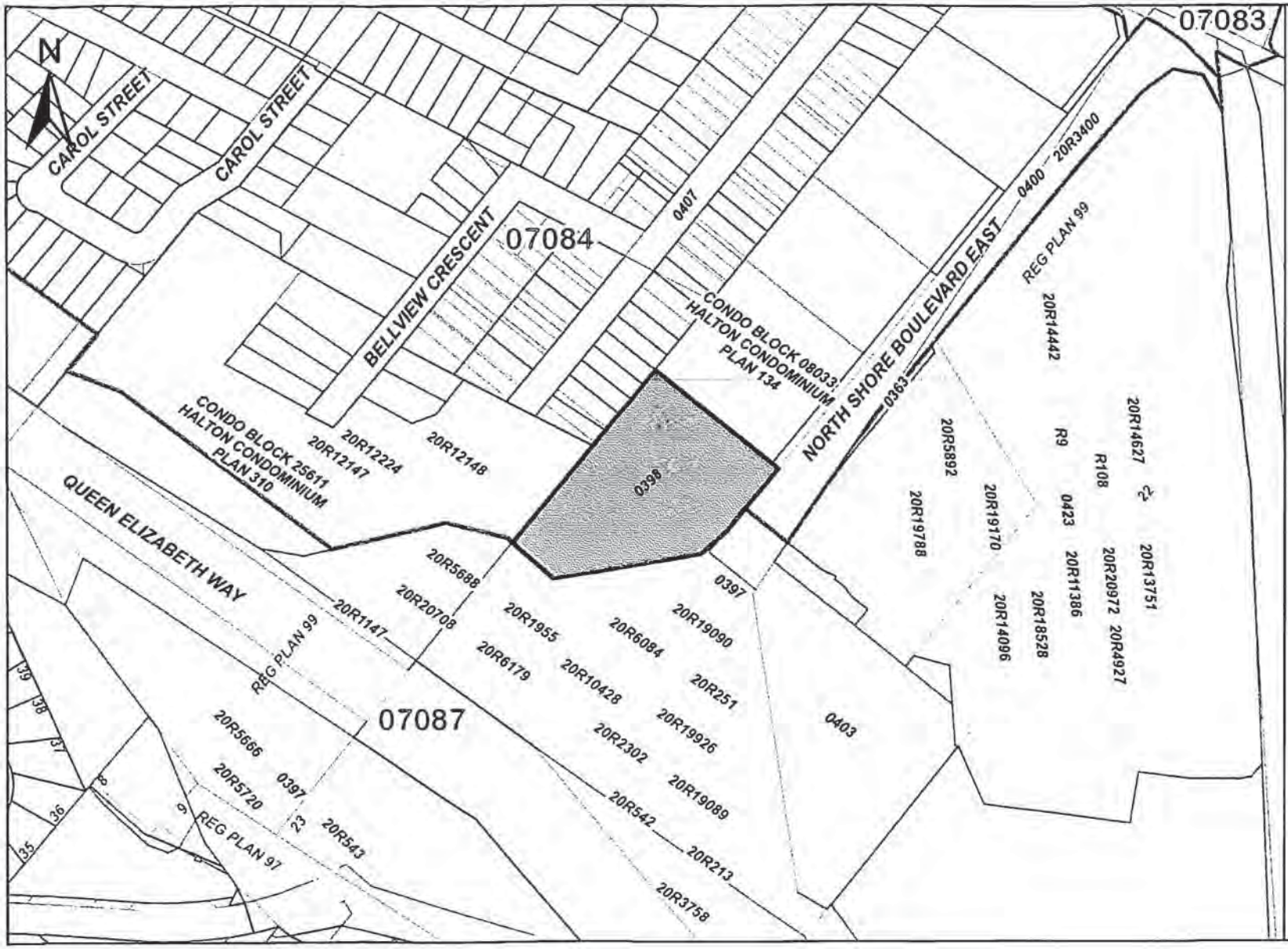
PIN CREATION DATE:
1997/09/22

OWNERS' NAMES
BRANT PARK CO-OPERATIVE APARTMENTS (BURLINGTON) LIMITED

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/09/22 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1997/09/22						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1997/09/19 **						
**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: 1997/09/22 **						
49127	1956/04/11	TRANSFER	$1		BRANT PARK CO-OPERATIVE APARTMENTS (BURLINGTON) LIMITED	C
111904	1960/06/06	TRANSFER EASEMENT			THE CORPORATION OF THE TOWN OF BURLINGTON	C
119980	1961/01/25	BYLAW				C
150772	1963/05/01	AGREEMENT			THE CORPORATION OF THE TOWN OF BURLINGTON	C
856673	1996/11/15	CHARGE		*** COMPLETELY DELETED ***	ROYAL BANK OF CANADA	
H817070	1999/10/20	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYAL BANK OF CANADA		
REMARKS: RE: 856673						

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.



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PRINTED ON 22 JAN, 2018 AT 15:21:03
FOR BERTUCCI1

SCALE

0 30 60 90 120 meters

PROPERTY INDEX MAP

HALTON(No. 20)

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:	*unknown* *1157 North Shore Blvd E* *Burlington ON L7S1C3*
Project No:	*212394*
Report Type:	*RSC Report (Urban)*
Order No:	*20180116104*
Requested by:	*Pinchin Ltd.*
Date Completed:	*January 19, 2018*

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:	*unknown* *1157 North Shore Blvd E Burlington ON L7S1C3*
Project No:	*212394*

Order Information:

Order No:	*20180116104*
Date Requested:	*January 16, 2018*
Requested by:	*Pinchin Ltd.*
Report Type:	*RSC Report (Urban)*

Historical/Products:

Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Specific Plans*
Land Title Search	*Historical Title Search*
Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	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	113	113
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	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	4	4
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	4	4
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	2	2
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	27	27
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	2	2
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	Boundary to 0.30km	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	2	2
NPRI	National Pollutant Release Inventory	Y	0	2	2
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	1	1
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	5	5
PINC	TSSA Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	2
PTTW	Permit to Take Water	Y	0	1	1
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	11	11
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	6	6
	Total:		0	190	190

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		ON	ENE/2.3	0.75	30
2	NPRI	ONTARIO REALTY	1160 NORTH SHORE Boulevard East BURLINGTON ON L7S1C5	E/14.2	0.04	32
3	FSTH	MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON	E/39.0	-0.24	33
3	FSTH	MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON	E/39.0	-0.24	33
3	GEN	SPILL/EMERGENCY CLEANUP (MOE)	HALTON-PEEL DISTRICT OFFICE 182 NORTHSHORE BLVD., 1ST FLOOR BURLINGTON ON L7R 3Z9	E/39.0	-0.24	34
3	GEN	SPILL/EMERGENCY CLEANUP (MOE) 35-134	HALTON-PEEL DISTRICT OFFICE 182 NORTHSHORE BLVD., 1ST FLOOR BURLINGTON ON L7R 3Z9	E/39.0	-0.24	34
3	PRT	MINISTRY OF TRANSPORTATION ELFRIDA PATROL	1182 NORTHSHORE BLVD BURLINGTON ON	E/39.0	-0.24	34
4	BORE		ON	SE/46.7	-1.22	34
5	HINC		1121 BELLVIEW STREET BURLINGTON ON	NW/53.6	2.05	35
6	BORE		ON	S/54.7	-1.22	35
7	HINC		1194 BELLVIEW STREET BURLINGTON ON L7S 1C7	N/59.3	3.78	36
8	PES	655757 ONTARIO LTD.	1202 BELLVIEW ST BURLINGTON ON L7S 1C7	NNE/85.0	3.78	36
8	PES	655757 ONTARIO LTD/ A & A WEED CONTROL	1202 BELLVIEW ST BURLINGTON ON L7S 1C7	NNE/85.0	3.78	37
8	PES	A & A WEED CONTROL	1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	NNE/85.0	3.78	37
8	PES	655757 ONTARIO LTD./ A & A WEED CONTROL	1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	NNE/85.0	3.78	3
8	PES	A & A WEED CONTROL	1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	NNE/85.0	3.78	37
9	CA	BURLINGTON CITY	E.SIDE OF QEW/NORTH SHORE BLVD BURLINGTON CITY ON	SSW/86.2	-1.22	38
10	FST	MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON L7R 3Z9	ESE/86.5	-1.22	38
10	FST	MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON L7R 3Z9	ESE/86.5	-1.22	38
10	GEN	Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	ESE/86.5	-1.22	39
10	GEN	Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	ESE/86.5	-1.22	39
10	GEN	Chartwell Retirement Residents	1182 northshore blvd. east Burlington ON L7S 1C5	ESE/86.5	-1.22	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	GEN	Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	ESE/86.5	-1.22	40
10	GEN	Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	ESE/86.5	-1.22	40
10	GEN	Joseph Brant Hospital	1182 North Shore Blvd Burlington ON	ESE/86.5	-1.22	40
11	BORE		ON	SW/87.4	-0.47	40
12	BORE		ON	SSW/88.2	-1.22	41
13	SPL	Union Gas Limited	1160 Bellview St unit 33 Burlington ON	W/91.9	4.78	41
14	BORE		ON	SSW/91.9	-1.22	42
15	BORE		ON	SSE/95.3	-1.72	42
16	BORE		ON	SSW/96.7	-1.22	42
17	BORE		ON	SW/96.8	-0.21	43
18	BORE		ON	SSE/101.0	-2.34	43
19	GEN	Minotaur Guardian Service Ltd.	1182 Northshore Blvd. Burlington ON L7S 1C5	ESE/101.1	-1.22	44
19	GEN	Joseph Brant Memorial Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	ESE/101.1	-1.22	44
19	GEN	MINISTRY OF TRANSPORT & COMMUN.	HAMILTON DISTRICT OFFICE (DISTRICT #4) 1182 NORTH SHORE BLVD E., P.O BOX 5020 BURLINGTON ON L7S 1C5	ESE/101.1	-1.22	44
19	GEN	SPILL/EMERGENCY CLEANUP (MOE)	HALTON-PEEL DISTRICT OFFICE 1182 NORTH SHORE BLVD. 1ST FLOOR BURLINGTON ON L7R 3Z9	ESE/101.1	-1.22	44
19	GEN	MIN. OF TRANS (SEE&USE ON0124220) 27-107	HAMILTON DISTRICT OFFICE (DISTRICT #4) 1182 NORTH SHORE BLVD E., P.O BOX 5020 BURLINGTON ON L7S 1C5	ESE/101.1	-1.22	45
19	GEN	Joseph Brant Memorial Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	ESE/101.1	-1.22	45
19	GEN	MIN. OF TRANS (SEE&USE ON0124220)	HAMILTON DISTRICT OFFICE (DISTRICT #4) 1182 NORTH SHORE BLVD E., P.O BOX 5020 BURLINGTON ON L7S 1C5	ESE/101.1	-1.22	45
20	BORE		ON	SSW/102.7	-1.22	45
21	BORE		ON	SSW/102.8	-1.22	46
22	BORE		ON	SSW/103.2	-1.22	46
23	BORE		ON	SSW/105.7	-1.22	47
24	BORE		ON	SSW/112.0	-1.22	47
25	BORE		ON	SSW/113.8	-1.22	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	BORE		ON	SSW/115.7	-1.22	48
27	BORE		ON	SSW/115.9	-1.22	49
28	BORE		ON	SSW/116.6	-1.22	49
29	BORE		ON	SSW/124.3	-1.22	50
30	BORE		ON	S/128.3	-1.22	50
31	BORE		ON	SSE/129.4	-1.43	51
32	BORE		ON	SSW/130.0	-1.22	51
33	BORE		ON	SW/135.8	-0.18	51
34	BORE		ON	SSW/136.4	-1.22	52
35	SPL	TRANSPORT TRUCK	QEW NORTHBOUND AT NORTH SHORE BLVD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SSW/138.1	-1.22	52
35	SPL	WILSON TRUCK LINES	SOUTHBOUND QEW AT HWY 2 BURLINGTON TANK TRUCK (CARGO) BURLINGTON CITY ON	SSW/138.1	-1.22	53
35	SPL	PRIVATE OWNER	QEW OFF RAMP AT NORTH SHORE BLVD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SSW/138.1	-1.22	53
36	SPL	Cam-Scott Transport Ltd.<UNOFFICIAL>	QEW & NORTH SHORE BLVD.<UNOFFICIAL> Burlington ON	SSW/139.7	-1.22	53
36	SPL	Gerth Concrete<UNOFFICIAL>	Westbound Lanes of the QEW at North Shore Blvd. QEW<UNOFFICIAL> Burlington ON	SSW/139.7	-1.22	54
36	SPL	TRANSPORT TRUCK	QEW NORTHBOUND, SOUTH OF NORTH SHORE. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SSW/139.7	-1.22	54
36	SPL	MDS Trucking <UNOFFICIAL>	QEW and North Shore Blvd, before Skyway Bridge Burlington ON	SSW/139.7	-1.22	54
37	PINC		1160 BELLVIEW STREET#33, BURLINGTON ON	WNW/147.6	4.78	55
38	BORE		ON	SW/148.0	-1.22	55
39	WWIS		BURLINGTON ON	WNW/149.7	4.78	55
40	BORE		ON	SSW/151.3	-1.22	58
41	BORE		ON	S/151.8	-1.22	58
42	BORE		ON	E/155.4	-1.06	59
43	BORE		ON	E/156.6	-1.22	59

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
44	BORE		ON	E/158.3	-1.22	60
45	BORE		ON	SSE/159.4	-1.22	61
46	BORE		ON	E/160.5	-1.22	61
47	BORE		ON	SW/162.3	-1.23	62
48	BORE		ON	SW/162.4	-1.21	62
48	BORE		ON	SW/162.4	-1.21	63
49	BORE		ON	NE/164.1	3.80	63
50	BORE		ON	SSW/167.7	-1.22	64
51	BORE		ON	S/172.9	-1.22	65
52	BORE		ON	S/173.5	-1.22	65
53	BORE		ON	SW/174.1	-1.36	66
54	BORE		ON	E/175.4	-1.22	66
55	BORE		ON	WSW/176.0	0.11	67
56	BORE		ON	E/176.4	-1.22	67
57	BORE		ON	SW/176.6	-1.36	68
58	BORE		ON	SSW/177.9	-1.28	68
59	BORE		ON	E/178.0	-1.22	69
60	BORE		ON	SW/178.5	-1.22	69
61	BORE		ON	SW/179.4	-1.42	70
62	BORE		ON	SSW/180.0	-1.51	70
63	BORE		ON	SSE/183.0	-1.22	71
64	WWIS		BURLINGTON ON	NW/184.2	3.84	71
65	BORE		ON	SSW/184.5	-1.44	73
66	BORE		ON	S/188.9	-1.22	74
67	SPL	PUC	1237 NORTH SHORE BLVD. TRANSFORMER BURLINGTON CITY ON	NE/189.0	0.68	74
68	BORE		ON	E/189.7	-1.22	75

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
69	BORE		ON	NE/190.2	2.10	75
70	BORE		ON	SW/191.1	-1.85	76
71	BORE		ON	E/195.5	-1.22	76
72	BORE		ON	NNE/195.7	2.64	77
73	BORE		ON	SW/196.1	-2.34	77
74	BORE		ON	SSW/199.7	-1.22	78
75	BORE		ON	SW/202.7	-1.91	78
76	BORE		ON	WSW/203.5	-0.86	79
77	BORE		ON	SW/203.7	-1.97	79
78	CA	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	ENE/207.2	-0.74	80
78	CA	Joseph Brant Memorial Hospital	1230 North Shore Boulevard East Burlington ON L7S 1W7	ENE/207.2	-0.74	80
78	ECA	Joseph Brant Memorial Hospital	1230 North Shore Boulevard East Burlington ON L7S 1W7	ENE/207.2	-0.74	80
78	EHS		1230 Northshore Blvd Burlington ON L7S1C5	ENE/207.2	-0.74	80
78	EHS		1230 North Shore Blvd Burlington ON	ENE/207.2	-0.74	81
78	EXP	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON	ENE/207.2	-0.74	81
78	EXP	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON	ENE/207.2	-0.74	81
78	EXP	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON	ENE/207.2	-0.74	81
78	EXP	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD E BURLINGTON ON L7S 1W7	ENE/207.2	-0.74	82
78	GEN	JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	82
78	GEN	JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	83
78	GEN	JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	84
78	GEN	JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	85
78	GEN	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	86
78	GEN	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	ENE/207.2	-0.74	86
78	GEN	JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	ENE/207.2	-0.74	87
78	GEN	JOSEPH BRANT MEMORIAL HOSPITAL 22-032	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	88

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
78	GEN	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	ENE/207.2	-0.74	89
78	GEN	JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	90
78	GEN	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	91
78	GEN	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	ENE/207.2	-0.74	92
78	NPCB	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD. BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	93
78	NPCB	J.BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD. EAST BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	93
78	NPRI	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE Boulevard BURLINGTON ON L7R4C4	ENE/207.2	-0.74	93
78	OPCB	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD. BURLINGTON ON L7R 4C4	ENE/207.2	-0.74	96
78	PRT	JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON L7S 1W7	ENE/207.2	-0.74	96
78	PTTW	EllisDon Design Build Inc.	1230 North Shore Blvd E, Burlington, City, Regional Municipality of Halton CITY OF BURLINGTON ON	ENE/207.2	-0.74	96
78	SPL	HOSPITAL	(N.O.S.) BURLINGTON CITY ON	ENE/207.2	-0.74	96
79	BORE		ON	WSW/209.0	-1.16	97
80	BORE		ON	SW/210.1	-2.91	97
80	BORE		ON	SW/210.1	-2.91	98
81	BORE		ON	SSW/210.8	-1.92	98
82	BORE		ON	SSW/211.0	-1.27	98
83	BORE		ON	E/215.4	-1.22	99
84	BORE		ON	SW/215.5	-3.34	100
85	EHS		1230 North Shore Boulevard East Burlington ON	E/215.6	-1.22	100
86	BORE		ON	SSE/216.3	-1.22	100
87	BORE		ON	WSW/217.9	1.22	101
88	BORE		ON	SSE/222.2	-1.25	101
89	BORE		ON	S/224.7	-0.72	102
90	BORE		ON	S/227.2	-0.85	102
91	BORE		ON	SSW/229.9	-5.19	103

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
92	BORE		ON	S/232.1	-1.22	103
93	BORE		ON	S/234.7	-1.22	104
94	BORE		ON	SSW/236.8	-3.97	104
95	BORE		ON	WSW/236.9	-1.21	105
96	BORE		ON	SSE/240.0	-1.22	105
97	BORE		ON	E/240.2	-1.40	106
98	BORE		ON	S/240.7	-0.18	106
99	BORE		ON	SSE/241.8	-1.22	107
100	BORE		ON	SW/242.1	-3.46	108
101	BORE		ON	WSW/243.1	-1.13	108
102	BORE		ON	S/247.8	-0.04	109
103	BORE		ON	S/247.9	-1.22	109
104	BORE		ON	SW/248.1	-1.65	110
105	BORE		ON	SW/250.7	-5.14	111
106	BORE		ON	S/251.6	-0.08	111
107	EHS		1249 North Shore Blvd E Burlington ON L7S1C4	NE/254.0	2.24	112
108	BORE		ON	W/254.0	0.66	112
109	INC		1249 NORTH SHORE BOULEVARD EAST, BURLINGTON ON	NE/254.5	2.65	112
110	BORE		ON	WSW/255.5	-2.17	113
111	BORE		ON	ENE/259.1	-1.22	114
112	BORE		ON	ENE/259.4	-0.45	115
113	BORE		ON	ENE/261.9	-1.75	115
114	BORE		ON	W/263.1	-0.21	116
114	BORE		ON	W/263.1	-0.21	117
115	BORE		ON	SSE/263.5	-1.22	117
116	SPL	Joseph Brant Memorial Hospital<UNOFFICIAL>	1270 North Shore Bvld Burlington ON	NE/264.4	0.82	118

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
117	BORE		ON	S/265.1	-1.69	118
118	BORE		ON	S/266.9	-0.59	118
119	WWIS		Burlington ON	SE/267.4	-3.28	119
120	BORE		ON	ENE/268.2	-0.73	121
121	BORE		ON	E/269.7	-2.96	122
122	BORE		ON	SSE/271.6	-1.22	123
123	BORE		ON	ENE/277.4	-1.22	123
124	BORE		ON	SSE/278.2	-1.22	124
125	BORE		ON	ENE/285.8	-1.47	125
126	BORE		ON	WSW/289.4	-4.14	125
127	WWIS		Burlington ON	SE/290.2	-4.22	126
128	WWIS		BURLINGTON ON	ENE/291.2	-2.98	128
129	BORE		ON	SSW/291.9	-6.26	131
130	BORE		ON	W/292.6	-1.31	132
131	BORE		ON	NW/294.2	3.71	132
132	BORE		ON	WSW/296.4	-2.95	133
133	BORE		ON	SW/297.4	-3.91	133
134	BORE		ON	NE/299.8	0.86	134

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 113 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	46.7	4
	ON	54.7	6
	ON	87.4	11
	ON	88.2	12
	ON	91.9	14
	ON	95.3	15
	ON	96.7	16
	ON	96.8	17
	ON	101.0	18
	ON	102.7	20
	ON	102.8	21
	ON	103.2	22
	ON	105.7	23
	ON	112.0	24
	ON	113.8	25
	ON	115.7	26
	ON	115.9	27
	ON	116.6	28

Site	Address	Distance (m)	Map Key
	ON	124.3	29
	ON	128.3	30
	ON	129.4	31
	ON	130.0	32
	ON	135.8	33
	ON	136.4	34
	ON	148.0	38
	ON	151.3	40
	ON	151.8	41
	ON	155.4	42
	ON	156.6	43
	ON	158.3	44
	ON	159.4	45
	ON	160.5	46
	ON	162.3	47
	ON	162.4	48
	ON	162.4	48
	ON	164.1	49
	ON	167.7	50
	ON	172.9	51
	ON	173.5	52
	ON	174.1	53
	ON	175.4	54

Site	Address	Distance (m)	Map Key
	ON	176.0	55
	ON	176.4	56
	ON	176.6	57
	ON	177.9	58
	ON	178.0	59
	ON	178.5	60
	ON	179.4	61
	ON	180.0	62
	ON	183.0	63
	ON	184.5	65
	ON	188.9	66
	ON	189.7	68
	ON	190.2	69
	ON	191.1	70
	ON	195.5	71
	ON	195.7	72
	ON	196.1	73
	ON	199.7	74
	ON	202.7	75
	ON	203.5	76
	ON	203.7	77
	ON	209.0	79
	ON	210.1	80

Site	Address	Distance (m)	Map Key
	ON	210.1	80
	ON	210.8	81
	ON	211.0	82
	ON	215.4	83
	ON	215.5	84
	ON	216.3	86
	ON	217.9	87
	ON	222.2	88
	ON	224.7	89
	ON	227.2	90
	ON	229.9	91
	ON	232.1	92
	ON	234.7	93
	ON	236.8	94
	ON	236.9	95
	ON	240.0	96
	ON	240.2	97
	ON	240.7	98
	ON	241.8	99
	ON	242.1	100
	ON	243.1	101
	ON	247.8	102
	ON	247.9	103

Site	Address	Distance (m)	Map Key
	ON	248.1	104
	ON	250.7	105
	ON	251.6	106
	ON	254.0	108
	ON	255.5	110
	ON	259.1	111
	ON	259.4	112
	ON	261.9	113
	ON	263.1	114
	ON	263.1	114
	ON	263.5	115
	ON	265.1	117
	ON	266.9	118
	ON	268.2	120
	ON	269.7	121
	ON	271.6	122
	ON	277.4	123
	ON	278.2	124
	ON	285.8	125
	ON	289.4	126
	ON	291.9	129
	ON	292.6	130
	ON	294.2	131

Site	Address	Distance (m)	Map Key
	ON	296.4	132
	ON	297.4	133
	ON	299.8	134

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 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BURLINGTON CITY	E.SIDE OF QEW/NORTH SHORE BLVD BURLINGTON CITY ON	86.2	9
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	207.2	78
Joseph Brant Memorial Hospital	1230 North Shore Boulevard East Burlington ON L7S 1W7	207.2	78

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Oct 2017 has found that there are 1 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Joseph Brant Memorial Hospital	1230 North Shore Boulevard East Burlington ON L7S 1W7	207.2	78

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 4 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1230 North Shore Blvd Burlington ON	207.2	78
	1230 Northshore Blvd Burlington ON L7S1C5	207.2	78
	1230 North Shore Boulevard East Burlington ON	215.6	85
	1249 North Shore Blvd E Burlington ON L7S1C4	254.0	107

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 4 EXP site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD E BURLINGTON ON L7S 1W7	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON	207.2	78

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 2 FST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON L7R 3Z9	86.5	10
MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON L7R 3Z9	86.5	10

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON	39.0	3
MINISTRY OF TRANSPORTATION	1182 NORTHSHORE BLVD BURLINGTON ON	39.0	3

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jun 2017 has found that there are 27 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
SPILL/EMERGENCY CLEANUP (MOE) 35-134	HALTON-PEEL DISTRICT OFFICE 182 NORTHSHORE BLVD., 1ST FLOOR BURLINGTON ON L7R 3Z9	39.0	3
SPILL/EMERGENCY CLEANUP (MOE)	HALTON-PEEL DISTRICT OFFICE 182 NORTHSHORE BLVD., 1ST FLOOR BURLINGTON ON L7R 3Z9	39.0	3
Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	86.5	10

Site	Address	Distance (m)	Map Key
Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	86.5	10
Chartwell Retirement Residents	1182 northshore blvd. east Burlington ON L7S 1C5	86.5	10
Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	86.5	10
Joseph Brant Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	86.5	10
Joseph Brant Hospital	1182 North Shore Blvd Burlington ON	86.5	10
Minotaur Guardian Service Ltd.	1182 Northshore Blvd. Burlington ON L7S 1C5	101.1	19
Joseph Brant Memorial Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	101.1	19
MINISTRY OF TRANSPORT & COMMUN.	HAMILTON DISTRICT OFFICE (DISTRICT #4) 1182 NORTH SHORE BLVD E., P.O BOX 5020 BURLINGTON ON L7S 1C5	101.1	19
SPILL/EMERGENCY CLEANUP (MOE)	HALTON-PEEL DISTRICT OFFICE 1182 NORTH SHORE BLVD. 1ST FLOOR BURLINGTON ON L7R 3Z9	101.1	19
MIN. OF TRANS (SEE&USE ON0124220) 27-107	HAMILTON DISTRICT OFFICE (DISTRICT #4) 1182 NORTH SHORE BLVD E., P.O BOX 5020 BURLINGTON ON L7S 1C5	101.1	19
Joseph Brant Memorial Hospital	1182 North Shore Blvd Burlington ON L7C-1C5	101.1	19
MIN. OF TRANS (SEE&USE ON0124220)	HAMILTON DISTRICT OFFICE (DISTRICT #4) 1182 NORTH SHORE BLVD E., P.O BOX 5020 BURLINGTON ON L7S 1C5	101.1	19
JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78
JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78
JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	207.2	78
JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL 22-032	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	207.2	78
JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78

Site	Address	Distance (m)	Map Key
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON	207.2	78
JOSEPH BRANT HOSPITAL	1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	207.2	78

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1121 BELLVIEW STREET BURLINGTON ON	53.6	5
	1194 BELLVIEW STREET BURLINGTON ON L7S 1C7	59.3	7

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1249 NORTH SHORE BOULEVARD EAST, BURLINGTON ON	254.5	109

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 2 NPCB site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD. BURLINGTON ON L7R 4C4	207.2	78
J.BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD. EAST BURLINGTON ON L7R 4C4	207.2	78

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 2 NPRI site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
ONTARIO REALTY	1160 NORTH SHORE Boulevard East BURLINGTON ON L7S1C5	14.2	2
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE Boulevard BURLINGTON ON L7R4C4	207.2	78

OPCB - Inventory of PCB Storage Sites

A search of the OPCB database, dated 1987-Oct 2004; 2012-Dec 2013 has found that there are 1 OPCB site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD. BURLINGTON ON L7R 4C4	207.2	78

PES - Pesticide Register

A search of the PES database, dated 1988-Aug 2017 has found that there are 5 PES site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
655757 ONTARIO LTD/ A & A WEED CONTROL	1202 BELLVIEW ST BURLINGTON ON L7S 1C7	85.0	8
655757 ONTARIO LTD.	1202 BELLVIEW ST BURLINGTON ON L7S 1C7	85.0	8
655757 ONTARIO LTD./ A & A WEED CONTROL	1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	85.0	8
A & A WEED CONTROL	1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	85.0	8
A & A WEED CONTROL	1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	85.0	8

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 PINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1160 BELLVIEW STREET#33, BURLINGTON ON	147.6	37

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MINISTRY OF TRANSPORTATION ELFRIDA PATROL	1182 NORTHSHORE BLVD BURLINGTON ON	39.0	3
JOSEPH BRANT MEMORIAL HOSPITAL	1230 NORTH SHORE BLVD BURLINGTON ON L7S 1W7	207.2	78

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Oct 2017 has found that there are 1 PTTW site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
EllisDon Design Build Inc.	1230 North Shore Blvd E, Burlington, City, Regional Municipality of Halton CITY OF BURLINGTON ON	207.2	78

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2017 has found that there are 11 SPL site(s) within approximately 0.30 kilometers of the project property.

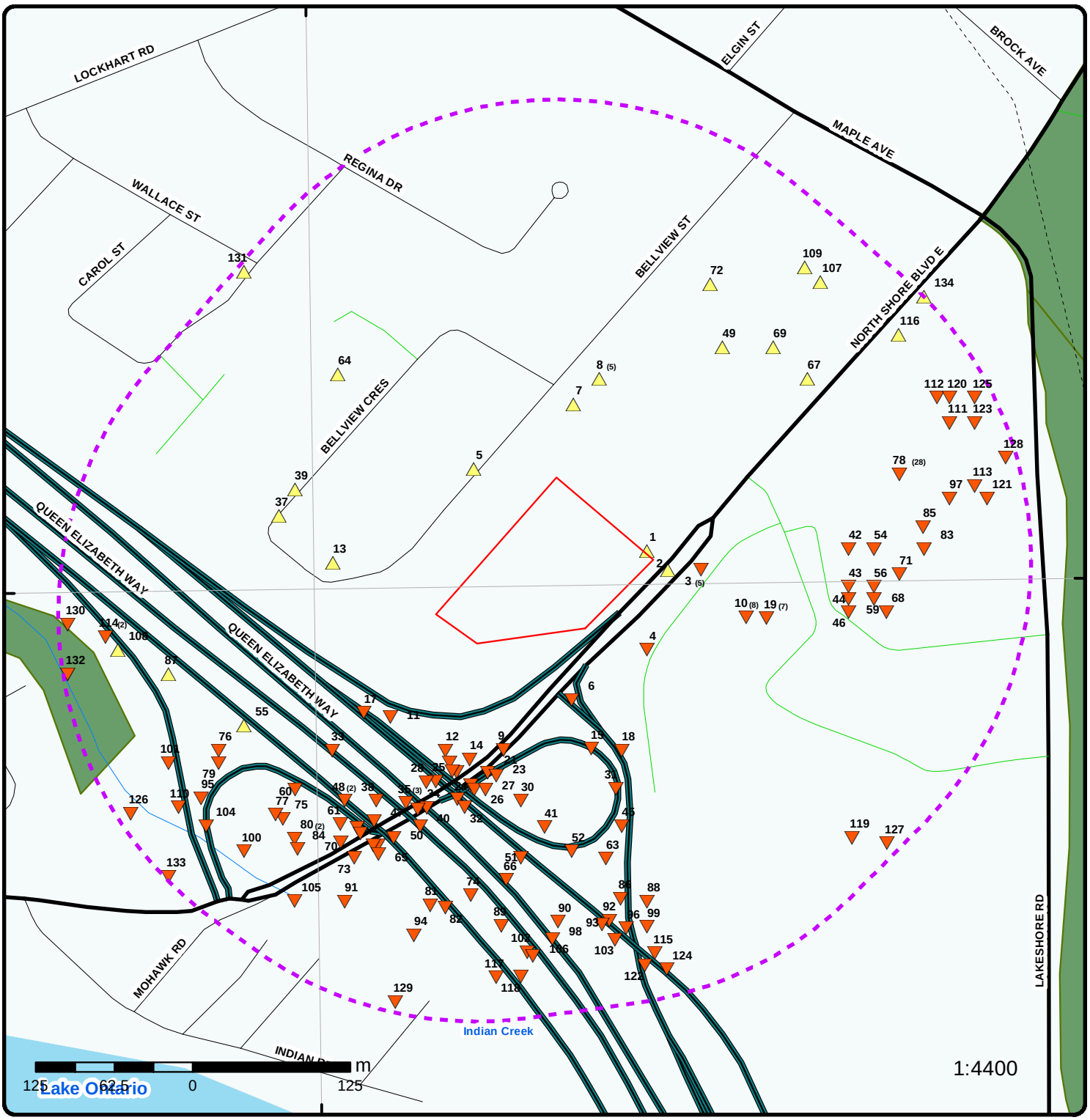
Site	Address	Distance (m)	Map Key
Union Gas Limited	1160 Bellview St unit 33 Burlington ON	91.9	13
TRANSPORT TRUCK	QEW NORTHBOUND AT NORTH SHORE BLVD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	138.1	35
WILSON TRUCK LINES	SOUTHBOUND QEW AT HWY 2 BURLINGTON TANK TRUCK (CARGO) BURLINGTON CITY ON	138.1	35
PRIVATE OWNER	QEW OFF RAMP AT NORTH SHORE BLVD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	138.1	35
Cam-Scott Transport Ltd.<UNOFFICIAL>	QEW & NORTH SHORE BLVD.<UNOFFICIAL> Burlington ON	139.7	36
Gerth Concrete<UNOFFICIAL>	Westbound Lanes of the QEW at North Shore Blvd. QEW<UNOFFICIAL> Burlington ON	139.7	36
TRANSPORT TRUCK	QEW NORTHBOUND, SOUTH OF NORTH SHORE. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	139.7	36
MDS Trucking <UNOFFICIAL>	QEW and North Shore Blvd, before Skyway Bridge Burlington ON	139.7	36
PUC	1237 NORTH SHORE BLVD. TRANSFORMER BURLINGTON CITY ON	189.0	67
HOSPITAL	(N.O.S.) BURLINGTON CITY ON	207.2	78
Joseph Brant Memorial Hospital<UNOFFICIAL>	1270 North Shore Bvld Burlington ON	264.4	116

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 6 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	2.3	1
	BURLINGTON ON	149.7	39

Site	Address	Distance (m)	Map Key
	BURLINGTON ON	184.2	64
	Burlington ON	267.4	119
	Burlington ON	290.2	127
	BURLINGTON ON	291.2	128



Map : 0.3 Kilometer Radius

Order No: 20180116104

Address: 1157 North Shore Blvd E, Burlington, ON, L7S1C3

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

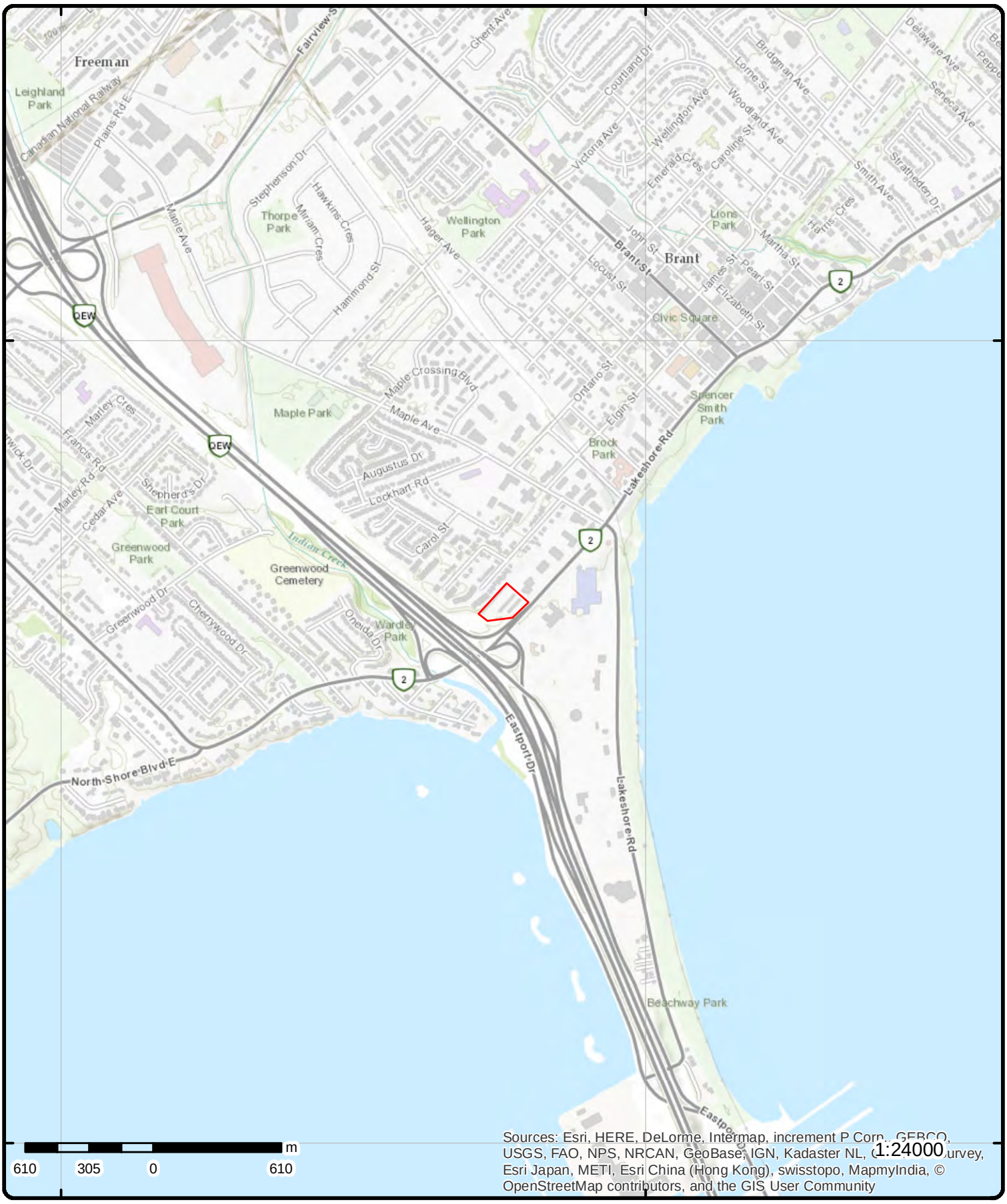
- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- 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

Aerial (2013)

Order No: 20180116104

Address: 1157 North Shore Blvd E, Burlington, ON, L7S1C3

Source: ESRI World Imagery



Topographic Map

Address: 1157 North Shore Blvd E, Burlington, ON, L7S1C3

Source: ESRI World Topographic Map

Order No: 20180116104

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	ENE/2.3	81.8	ON	WWIS

Well ID:	2800009	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/8/1958
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1532
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	BB
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10146566	**Spatial Status:**	
DP2BR:	26	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	9
Code OB Desc:	Bedrock	**UTMRC Desc:**	unknown UTM
Open Hole:		**Location Method:**	p9
Elevation:	81.499855	**Org CS:**	
Elevrc:		**Date Completed:**	6/28/1958
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931420879
Layer:	1
Color:	7
General Color:	RED
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	

Formation Top Depth:	0.00
Formation End Depth:	26.00
Formation End Depth UOM:	ft
Formation ID:	931420880
Layer:	2
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	26.00
Formation End Depth:	55.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962800009
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10695136
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930249347
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	26.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930249348
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	55.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992800009
Pump Set At:	
Static Level:	11.00
Final Level After Pumping:	27.00
Recommended Pump Depth:	

Pumping Rate:	5.00
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:	20
Flowing:	N

Water Details

Water ID:	933601193
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.00
Water Found Depth UOM:	ft

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2 ***1 of 1*** ***E/14.2*** ***81.1***

ONTARIO REALTY
1160 NORTH SHORE Boulevard East
BURLINGTON ON L7S1C5

NPRI

NPRI ID:	8800000532	***Org ID:***	
Other ID:		***Submit Date:***	
No Other ID:		***Last Modified:***	
Track ID:		***Contact ID:***	
Report ID:		***Cont Type:***	MED
Report Type:		***Contact Title:***	Mr.
Rpt Type ID:		***Cont First Name:***	ALEX
Report Year:	2004	***Cont Last Name:***	LYE
Not-Current Rpt?:		***Contact Position:***	Environmental Assessment Manager
Yr of Last Filed Rpt:		***Contact Fax:***	
Fac ID:		***Contact Ph.:***	
Fac Name:	OPP DETACHMENT BURLINGTON	***Cont Area Code:***	416
Fac Address1:		***Contact Tel.:***	3268229
Fac Address2:		***Contact Ext.:***	
Fac Postal Zip:		***Cont Fax Area Cde:***	416
Facility Lat:		***Contact Fax:***	2121131
Facility Long:		***Contact Email:***	alex.lye@orc.gov.on.ca
DLS (Last Filed Rpt):		***Latitude:***	
Facility DLS:		***Longitude:***	
Datum:		***UTM Zone:***	
Facility Cmnts:		***UTM Northing:***	
URL:		***UTM Easting:***	
No of Empl.:	5	***Waste Streams:***	
Parent Co.:		***No Streams:***	
No Parent Co.:		***Waste Off Sites:***	
Pollut Prev Cmnts:		***No Off Sites:***	
Stacks:		***Shutdown:***	
No of Stacks:		***No of Shutdown:***	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	53		
NAICS 2 Description:	Real Estate and Rental and Leasing		
NAICS Code (4 digit):	5311		
NAICS 4 Description:	Lessors of Real Estate		
NAICS Code (6 digit):	531120		
NAICS 6 Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)		

Substance Release Report

CAS No:	7446-09-5
Report ID:	
Rpt Period:	2004
Subst Released:	Sulphur dioxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes

CAS No:	11104-93-1
Report ID:	
Rpt Period:	2004
Subst Released:	Nitrogen oxides (expressed as NO2)
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes

CAS No:	811-97-2
Report ID:	
Rpt Period:	2004
Subst Released:	HFC-134a Hydrofluorocarbon
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	*1 of 5*	*E/39.0*	*80.8*	***MINISTRY OF TRANSPORTATION*** ***1182 NORTHSHORE BLVD*** ***BURLINGTON ON***	***FSTH***

License Issue Date:	1/4/1991
Tank Status:	Licensed
Tank Status As Of:	August 2007
Operation Type:	Private Fuel Outlet
Facility Type:	Gasoline Station - Self Serve

--Details--

Status:	Active
Year of Installation:	1987
Corrosion Protection:	
Capacity:	4550
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline

Status:	Active
Year of Installation:	1987
Corrosion Protection:	
Capacity:	4550
Tank Fuel Type:	Liquid Fuel Single Wall UST - Diesel

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	*2 of 5*	*E/39.0*	*80.8*	***MINISTRY OF TRANSPORTATION*** ***1182 NORTHSHORE BLVD*** ***BURLINGTON ON***	***FSTH***

License Issue Date:	1/4/1991
Tank Status:	Licensed
Tank Status As Of:	December 2008

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

Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 1987
Corrosion Protection:
Capacity: 4550
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1987
Corrosion Protection:
Capacity: 4550
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	3 of 5	E/39.0	80.8	SPILL/EMERGENCY CLEANUP (MOE) HALTON-PEEL DISTRICT OFFICE 182 NORTHSHORE BLVD., 1ST FLOOR BURLINGTON ON L7R 3Z9	GEN

Generator No.: ONS0305
Status:
Approval Years: 97,98
Contam. Facility:
MHSW Facility:
SIC Code: 9999
SIC Description: OTHER SERVICES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
3	4 of 5	E/39.0	80.8	SPILL/EMERGENCY CLEANUP (MOE) HALTON-PEEL DISTRICT OFFICE 182 NORTHSHORE BLVD., 1ST FLOOR BURLINGTON ON L7R 3Z9	35-134	GEN

Generator No.: ONS0305
Status:
Approval Years: 92,93,96
Contam. Facility:
MHSW Facility:
SIC Code: 9999
SIC Description: OTHER SERVICES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	5 of 5	E/39.0	80.8	MINISTRY OF TRANSPORTATION ELFRIDA PATROL 1182 NORTHSHORE BLVD BURLINGTON ON	PRT

Location ID: 2465
Type: private
Expiry Date:
Capacity (L): 9100.00
Licence #: 0001030221

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	1 of 1	SE/46.7	79.8	ON	BORE

Borehole ID: 622134
Use: Water Supply
Type: Borehole
Status::

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

Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596895	***Northing::***	4796623
Location Accuracy::		***Orig. Ground Elev m::***	78.3
Elev. Reliability Note::		***DEM Ground Elev m::***	79.7
Total Depth m::	4.3	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	AUG-1962	***Static Water Level::***	-999.9
Primary Water Use::	Municipal	***Sec. Water Use::***	

--Details--

Stratum ID:	218424548	***Top Depth(m):***	0.0
Bottom Depth(m):	0.3	***Stratum Desc:***	SOIL. AGE POST-GLACIAL.
Stratum ID:	218424549	***Top Depth(m):***	0.3
Bottom Depth(m):	1.1	***Stratum Desc:***	SILT,SAND. DENSE,AGE GLACIAL.
Stratum ID:	218424550	***Top Depth(m):***	1.1
Bottom Depth(m):	3.5	***Stratum Desc:***	SILT,SAND,CLAY. VARI-COLOURED,HARD, AGE GLACIAL.
Stratum ID:	218424551	***Top Depth(m):***	3.5
Bottom Depth(m):	4.3	***Stratum Desc:***	BEDROCK,SHALE. RED,VERY HARD, AGE UNDIFFERENTIATED. 000100160003503200115095 H

5 ***1 of 1*** ***NW/53.6*** ***83.1*** ***1121 BELLVIEW STREET BURLINGTON ON*** ***HINC***

External File Num:	FS INC 0612-04654
Date of Occurrence:	12/6/2006
Fuel Occurrence Type:	Pipeline Strike
Fuel Type Involved:	Natural Gas
Status Desc::	Completed - No Action Required
Job Type Desc::	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved::	Private Dwelling
Service Interruptions::	Yes
Property Damage::	No
Fuel Life Cycle Stage::	Utilization
Root Cause::	
Reported Details::	
Fuel Category::	Gaseous Fuel
Occurrence Type::	Incident
Affiliation::	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name::	Halton
Approx. Quant. Rel::	
Nearby body of water::	
Enter Drainage Syst.::	
Approx. Quant. Unit::	
Environmental Impact::	

6 ***1 of 1*** ***S/54.7*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	622158	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596835	***Northing::***	4796583
Location Accuracy::		***Orig. Ground Elev m::***	80.7
Elev. Reliability Note::		***DEM Ground Elev m::***	79.4
Total Depth m::	-999	***Primary Name::***	

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

Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	AUG-1961	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218424645	***Top Depth(m):***	0.0
Bottom Depth(m):	6.3	***Stratum Desc:***	FILL,CLAY,SAND, GRAVEL. BROWN,MAN-MADE, AGE POST-GLACIAL.
Stratum ID:	218424646	***Top Depth(m):***	6.3
Bottom Depth(m):	11.2	***Stratum Desc:***	CLAY,ORGANIC. RED,SOFT,LAYERED,AGE GLACIAL.
Stratum ID:	218424647	***Top Depth(m):***	11.2
Bottom Depth(m):	14.8	***Stratum Desc:***	CLAY,SHALE. RED,VERY HARD,AGE GLACIAL.
Stratum ID:	218424648	***Top Depth(m):***	14.8
Bottom Depth(m):		***Stratum Desc:***	REFUSAL OF ENTRY.

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7 ***1 of 1*** ***N/59.3*** ***84.8*** ***1194 BELLVIEW STREET BURLINGTON ON L7S 1C7*** ***HINC***

External File Num:	FS INC 0809-05271
Date of Occurrence:	9/11/2008
Fuel Occurrence Type:	Pipeline Strike
Fuel Type Involved:	Natural Gas
Status Desc::	Completed - Causal Analysis(End)
Job Type Desc::	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved::	Private Dwelling
Service Interruptions::	Yes
Property Damage::	No
Fuel Life Cycle Stage::	Utilization
Root Cause::	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:Yes Management:Yes Human Factors:Yes
Reported Details::	
Fuel Category::	Gaseous Fuel
Occurrence Type::	Incident
Affiliation::	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name::	Halton
Approx. Quant. Rel::	
Nearby body of water::	
Enter Drainage Syst.::	
Approx. Quant. Unit::	
Environmental Impact::	

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8 ***1 of 5*** ***NNE/85.0*** ***84.8*** ***655757 ONTARIO LTD. 1202 BELLVIEW ST BURLINGTON ON L7S 1C7*** ***PES***

Licence No.:		***Operator Box:***	
Detail Licence No.:		***Operator Class:***	
Licence Type Code:		***Operator No.:***	
Licence Type:	Operator	***Operator Type:***	
Licence Class:		***Operator Lot:***	
Licence Control:		***Oper Concession:***	
Trade Name:		***Operator Region:***	
Post Office Box:		***Operator District:***	
Lot:		***Operator County:***	
Concession:		***Oper Phone Area Cd:***	
Region:		***Ext:***	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
District:				Oper Phone Number:	
County:				Proponent Ext:	

8	2 of 5	NNE/85.0	84.8	655757 ONTARIO LTD/ A & A WEED CONTROL 1202 BELLVIEW ST BURLINGTON ON L7S 1C7	PES

Licence No.:		Operator Box:	
Detail Licence No.:		Operator Class:	
Licence Type Code:	02	Operator No.:	
Licence Type:	Operator	Operator Type:	
Licence Class:		Operator Lot:	
Licence Control:		Oper Concession:	
Trade Name:		Operator Region:	
Post Office Box:		Operator District:	
Lot:		Operator County:	
Concession:		Oper Phone Area Cd:	
Region:		Ext:	
District:		Oper Phone Number:	
County:		Proponent Ext:	

8	3 of 5	NNE/85.0	84.8	A & A WEED CONTROL 1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	PES

Licence No.:		Operator Box:	
Detail Licence No.:		Operator Class:	
Licence Type Code:		Operator No.:	
Licence Type:	Operator	Operator Type:	
Licence Class:		Operator Lot:	
Licence Control:		Oper Concession:	
Trade Name:		Operator Region:	
Post Office Box:		Operator District:	
Lot:		Operator County:	
Concession:		Oper Phone Area Cd:	
Region:		Ext:	
District:		Oper Phone Number:	
County:		Proponent Ext:	

8	4 of 5	NNE/85.0	84.8	655757 ONTARIO LTD./ A & A WEED CONTROL 1202 BELLVIEW STREET BURLINGTON ON L7S 1C7	PES

Licence No.:		Operator Box:	
Detail Licence No.:		Operator Class:	
Licence Type Code:		Operator No.:	
Licence Type:		Operator Type:	
Licence Class:		Operator Lot:	
Licence Control:		Oper Concession:	
Trade Name:		Operator Region:	
Post Office Box:		Operator District:	
Lot:		Operator County:	
Concession:		Oper Phone Area Cd:	
Region:		Ext:	
District:		Oper Phone Number:	
County:		Proponent Ext:	

8	5 of 5	NNE/85.0	84.8	A & A WEED CONTROL 1202 BELLVIEW STREET	PES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				BURLINGTON ON L7S 1C7	

Licence No.:
Detail Licence No.:
Licence Type Code: 02
Licence Type: Operator
Licence Class:
Licence Control:
Trade Name:
Post Office Box:
Lot:
Concession:
Region:
District:
County:

Operator Box:
Operator Class:
Operator No.:
Operator Type:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Oper Phone Area Cd:
Ext:
Oper Phone Number:
Proponent Ext:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
9	1 of 1	SSW/86.2	79.8	BURLINGTON CITY E.SIDE OF QEW/NORTH SHORE BLVD BURLINGTON CITY ON	CA

Certificate #: 3-0817-96-
Application Year: 96
Issue Date: 7/24/1996
Approval Type: Municipal sewage
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
10	1 of 8	ESE/86.5	79.8	MINISTRY OF TRANSPORTATION 1182 NORTHSHORE BLVD BURLINGTON ON L7R 3Z9	FST

Instance No: 10633393
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
Status: Active
Capacity: 4550
Tank Material: Fiberglass (FRP)
Corrosion Protection: Fiberglass
Tank Type: Single Wall UST
Install Year: 1987
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve
Facility Type: FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	2 of 8	ESE/86.5	79.8	MINISTRY OF TRANSPORTATION 1182 NORTHSHORE BLVD BURLINGTON ON L7R 3Z9	FST

Instance No: 10633341
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active

Capacity: 4550
Tank Material: Fiberglass (FRP)
Corrosion Protection: Fiberglass
Tank Type: Single Wall UST
Install Year: 1987
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve
Facility Type: FS Liquid Fuel Tank

---

10 **3 of 8** **ESE/86.5** **79.8**

Joseph Brant Hospital
1182 North Shore Blvd
Burlington ON L7C-1C5

GEN

Generator No.: ON9348059
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Branka Pavic-Muir
Phone No. Admin: 905-632-3737 Ext.

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

10 **4 of 8** **ESE/86.5** **79.8**

Joseph Brant Hospital
1182 North Shore Blvd
Burlington ON L7C-1C5

GEN

Generator No.: ON9348059
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Branca Pavic-Muir
Phone No. Admin: 905-632-3737 Ext.

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

10 **5 of 8** **ESE/86.5** **79.8**

Chartwell Retirement Residents
1182 northshore blvd. east
Burlington ON L7S 1C5

GEN

Generator No.: ON4884429
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 623312
SIC Description: 623312

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Darin D Richard
Phone No. Admin: 9056392848 Ext.

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	6 of 8	ESE/86.5	79.8	Joseph Brant Hospital 1182 North Shore Blvd Burlington ON L7C-1C5	GEN

Generator No.: ON9348059
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312 P
Waste Description: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	7 of 8	ESE/86.5	79.8	Joseph Brant Hospital 1182 North Shore Blvd Burlington ON L7C-1C5	GEN

Generator No.: ON9348059
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Branka Pavic-Muir
Phone No. Admin: 905-632-3737 Ext.

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	8 of 8	ESE/86.5	79.8	Joseph Brant Hospital 1182 North Shore Blvd Burlington ON	GEN

Generator No.: ON9348059
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
11	1 of 1	SW/87.4	80.6	ON	BORE

Borehole ID: 890454
Use: Geotechnical/Geological Investigation
Drill Method:: Diamond Drill
Easting:: 596691
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 2.2

Type: Borehole
Status:: Decommissioned
UTM Zone:: 17
Northing:: 4796569
Orig. Ground Elev m:: 79.6
DEM Ground Elev m:: 80.5
Primary Name::

Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	15-AUG-1954	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501695	**Top Depth(m):**	0.0
Bottom Depth(m):	1.5	**Stratum Desc:**	Sand
Stratum ID:	8501696	**Top Depth(m):**	1.8
Bottom Depth(m):	2.2	**Stratum Desc:**	Clay

---

12 | **1 of 1** | **SSW/88.2** | **79.8** | **ON** | **BORE**

Borehole ID:	621006	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596735	**Northing::**	4796543
Location Accuracy::		**Orig. Ground Elev m::**	78.3
Elev. Reliability Note::		**DEM Ground Elev m::**	79.7
Total Depth m::	4.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419412	**Top Depth(m):**	0.0
Bottom Depth(m):	0.8	**Stratum Desc:**	FILL,SAND,GRAVEL. MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218419413	**Top Depth(m):**	0.8
Bottom Depth(m):	2.9	**Stratum Desc:**	CLAY,SILT,GRAVEL. BROWN,COMPACT,AGE GLACIAL.
Stratum ID:	218419414	**Top Depth(m):**	2.9
Bottom Depth(m):	4.0	**Stratum Desc:**	CLAY,SAND. RED,VERY DENSE,AGE GLACIAL.
Stratum ID:	218419415	**Top Depth(m):**	4.0
Bottom Depth(m):	4.6	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY DENSE, AGE UNDIFFERENTIATED. 00000011000250130009535000130600FFERENTI

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13 | **1 of 1** | **W/91.9** | **85.8** | **Union Gas Limited**
1160 Bellview St unit 33
Burlington ON | **SPL**

Ref No:	1745-9Z5LRW	**Site Address:**	1160 Bellview St unit 33
Contaminant Name:	NATURAL GAS (METHANE)	**Site Conc:**	
Contaminant Code:	35	**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	Burlington
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:	0 other - see incident description	**Sector Type:**	Miscellaneous Industrial
MOE Reported Dt:	8/6/2015	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	
Incident Dt:	8/6/2015	**Receiving Env:**	
Incident Cause:		**Environment Impact:**	

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

Incident Event:
Incident Reason: Operator/Human Error
Incident Summary: TSSA- 1/2 inch plastic line strike, made safe
Nature of Impact:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill

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14 **1 of 1** **SSW/91.9** **79.8** **ON** **BORE**

Borehole ID: 891573
Use: Geotechnical/Geological Investigation
Drill Method:: Hollow stem auger
Easting:: 596754
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 7.8
Township:: NELSON
Lot::
Completion Date:: 07-MAY-1981
Primary Water Use::
Type: Borehole
Status:: Decommissioned
UTM Zone:: 17
Northing:: 4796535
Orig. Ground Elev m:: 84.5
DEM Ground Elev m:: 79.5
Primary Name::
Concession:: BRANTS BLOCK
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

--Details--

Stratum ID: 8505253
Bottom Depth(m): 7.8
Top Depth(m): 7.0
Stratum Desc: Bedrock shale, weathered

Stratum ID: 8505252
Bottom Depth(m): 7.0
Top Depth(m): 0.0
Stratum Desc: Silty Clay, Some sand, some gravel. Very stiff to hard. With shaly layers, Hard.

---

15 **1 of 1** **SSE/95.3** **79.4** **ON** **BORE**

Borehole ID: 890929
Use: Geotechnical/Geological Investigation
Drill Method:: Power auger
Easting:: 596850
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 10.7
Township:: NELSON
Lot::
Completion Date:: 13-MAY-1981
Primary Water Use::
Type: Borehole
Status:: Decommissioned
UTM Zone:: 17
Northing:: 4796544
Orig. Ground Elev m:: 78.9
DEM Ground Elev m:: 80
Primary Name::
Concession:: BRANTS BLOCK
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

--Details--

Stratum ID: 8503174
Bottom Depth(m): 3.0
Top Depth(m): 0.0
Stratum Desc: Silty sand, some clay compact to dense

Stratum ID: 8503175
Bottom Depth(m): 6.1
Top Depth(m): 3.0
Stratum Desc: Silty clay some sand, trace of gravel stiff to very stiff with shaly layers hard

Stratum ID: 8503176
Bottom Depth(m): 10.7
Top Depth(m): 6.1
Stratum Desc: bedrock shale weathered

---

16 **1 of 1** **SSW/96.7** **79.8** **ON** **BORE**

Borehole ID: 890453
Use: Geotechnical/Geological Investigation
Type: Borehole
Status:: Decommissioned

Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	596738	***Northing::***	4796533
Location Accuracy::		***Orig. Ground Elev m::***	78.3
Elev. Reliability Note::		***DEM Ground Elev m::***	79.6
Total Depth m::	5.3	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	11-AUG-1954	***Static Water Level::***	3
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8501692	***Top Depth(m):***	0.0
Bottom Depth(m):	2.8	***Stratum Desc:***	Clay
Stratum ID:	8501693	***Top Depth(m):***	2.8
Bottom Depth(m):	3.0	***Stratum Desc:***	clay Hard
Stratum ID:	8501694	***Top Depth(m):***	3.0
Bottom Depth(m):	5.3	***Stratum Desc:***	bedrock limestone

---

17 ***1 of 1*** ***SW/96.8*** ***80.9*** ***ON*** ***BORE***

Borehole ID:	625991	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	596670	***Northing::***	4796573
Location Accuracy::		***Orig. Ground Elev m::***	79.6
Elev. Reliability Note::		***DEM Ground Elev m::***	81
Total Depth m::	-999	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JUL-1954	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218438430	***Top Depth(m):***	0.0
Bottom Depth(m):	1.5	***Stratum Desc:***	SAND.
Stratum ID:	218438431	***Top Depth(m):***	1.5
Bottom Depth(m):		***Stratum Desc:***	CLAY.

---

18 ***1 of 1*** ***SSE/101.0*** ***78.7*** ***ON*** ***BORE***

Borehole ID:	622133	***Type:***	Borehole
Use:	Water Supply	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596875	***Northing::***	4796543
Location Accuracy::		***Orig. Ground Elev m::***	78.2
Elev. Reliability Note::		***DEM Ground Elev m::***	79.4
Total Depth m::	6.1	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	AUG-1962	***Static Water Level::***	-999.9
Primary Water Use::	Municipal	***Sec. Water Use::***	

--Details--

Stratum ID:	218424543	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	SOIL. AGE POST-GLACIAL.

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

Stratum ID:	218424544	**Top Depth(m):**	0.2
Bottom Depth(m):	1.7	**Stratum Desc:**	SILT,SAND-MEDIUM. BROWN,DENSE,AGE GLACIAL.
Stratum ID:	218424545	**Top Depth(m):**	1.7
Bottom Depth(m):	3.8	**Stratum Desc:**	SILT,CLAY. BROWN,STIFF,UNIFORM, AGE GLACIAL.
Stratum ID:	218424546	**Top Depth(m):**	3.8
Bottom Depth(m):	4.7	**Stratum Desc:**	SILT,SAND,CLAY. RED,HARD,GRANULAR,AGE GLACIAL.
Stratum ID:	218424547	**Top Depth(m):**	4.7
Bottom Depth(m):	6.1	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY HARD, AGE UNDIFFERENTIATED. 00005019000550170012543200070

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19 **1 of 7** **ESE/101.1** **79.8**

Minotaur Guardian Service Ltd.
1182 Northshore Blvd.
Burlington ON L7S 1C5

GEN

Generator No.:	ON3625767	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	04	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	623110		
SIC Description:	Nursing Care Facilities		

---

19 **2 of 7** **ESE/101.1** **79.8**

Joseph Brant Memorial Hospital
1182 North Shore Blvd
Burlington ON L7C-1C5

GEN

Generator No.:	ON9348059	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	2012	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	622111		
SIC Description:	General (except Paediatric) Hospitals		

---

19 **3 of 7** **ESE/101.1** **79.8**

MINISTRY OF TRANSPORT & COMMUN.
HAMILTON DISTRICT OFFICE (DISTRICT #4)
1182 NORTH SHORE BLVD E., P.O BOX 5020
BURLINGTON ON L7S 1C5

GEN

Generator No.:	ON0124219	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	86,87	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	0000		
SIC Description:	*** NOT DEFINED ***		

---

19 **4 of 7** **ESE/101.1** **79.8**

SPILL/EMERGENCY CLEANUP (MOE)
HALTON-PEEL DISTRICT OFFICE 1182 NORTH SHORE BLVD. 1ST FLOOR
BURLINGTON ON L7R 3Z9

GEN

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

Generator No.: ONS0305
Status:
Approval Years: 99
Contam. Facility:
MHSW Facility:
SIC Code: 9999
SIC Description: OTHER SERVICES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

---

19 | **5 of 7** | **ESE/101.1** | **79.8**

MIN. OF TRANS (SEE&USE ON0124220) 27-107
HAMILTON DISTRICT OFFICE (DISTRICT #4)
1182 NORTH SHORE BLVD E., P.O BOX 5020
BURLINGTON ON L7S 1C5

GEN

Generator No.: ON0124219
Status:
Approval Years: 92,93,94
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

---

19 | **6 of 7** | **ESE/101.1** | **79.8**

Joseph Brant Memorial Hospital
1182 North Shore Blvd
Burlington ON L7C-1C5

GEN

Generator No.: ON9348059
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 622111
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

---

19 | **7 of 7** | **ESE/101.1** | **79.8**

MIN. OF TRANS (SEE&USE ON0124220)
HAMILTON DISTRICT OFFICE (DISTRICT #4)
1182 NORTH SHORE BLVD E., P.O BOX 5020
BURLINGTON ON L7S 1C5

GEN

Generator No.: ON0124219
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

---

20 | **1 of 1** | **SSW/102.7** | **79.8**

ON

BORE

Borehole ID: 891574
Use: Geotechnical/Geological Investigation
Drill Method:: Hollow stem auger
Easting:: 596743
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 12.2
Township:: NELSON
Lot::

Type: Borehole
Status:: Decommissioned
UTM Zone:: 17
Northing:: 4796526
Orig. Ground Elev m:: 78.7
DEM Ground Elev m:: 79.6
Primary Name::
Concession:: BRANTS BLOCK
Municipality:

Completion Date::	07-MAY-1981	**Static Water Level::**	1.5
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8505254	**Top Depth(m):**	0.0
Bottom Depth(m):	1.5	**Stratum Desc:**	Silty Clay some sand, some gravel, stiff (Fill material)
Stratum ID:	8505255	**Top Depth(m):**	1.5
Bottom Depth(m):	4.0	**Stratum Desc:**	Silty clay to organic silt, occasional sand layers soft to firm
Stratum ID:	8505256	**Top Depth(m):**	4.0
Bottom Depth(m):	8.4	**Stratum Desc:**	Silty clay some sand, some gravel, hard with shaly layers
Stratum ID:	8505257	**Top Depth(m):**	8.4
Bottom Depth(m):	12.2	**Stratum Desc:**	Bedrock shale, weathered, sound

---

21 ***1 of 1*** ***SSW/102.8*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	891575	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596768	**Northing::**	4796525
Location Accuracy::		**Orig. Ground Elev m::**	78.8
Elev. Reliability Note::		**DEM Ground Elev m::**	79.6
Total Depth m::	10	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	08-MAY-1981	**Static Water Level::**	1.5
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8505258	**Top Depth(m):**	0.0
Bottom Depth(m):	1.5	**Stratum Desc:**	Organic, very soft.
Stratum ID:	8505259	**Top Depth(m):**	1.5
Bottom Depth(m):	4.0	**Stratum Desc:**	Silty clay to organic silt, occasional sand layers
Stratum ID:	8505260	**Top Depth(m):**	4.0
Bottom Depth(m):	9.8	**Stratum Desc:**	Silty clay some sand, some gravel, hard with shaly layers
Stratum ID:	8505261	**Top Depth(m):**	9.8
Bottom Depth(m):	10.0	**Stratum Desc:**	Shale, weathered

---

22 ***1 of 1*** ***SSW/103.2*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890891	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596740	**Northing::**	4796526
Location Accuracy::		**Orig. Ground Elev m::**	78.3
Elev. Reliability Note::		**DEM Ground Elev m::**	79.6
Total Depth m::	3.9	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	18-DEC-1980	**Static Water Level::**	3

Primary Water Use:: ***Sec. Water Use::***

--Details--

Stratum ID:	8503019	***Top Depth(m):***	0.0
Bottom Depth(m):	0.3	***Stratum Desc:***	Fill - mixture sand and gravel
Stratum ID:	8503020	***Top Depth(m):***	0.3
Bottom Depth(m):	1.5	***Stratum Desc:***	Silty sand to sandy silt compact brown (sm, ml)
Stratum ID:	8503021	***Top Depth(m):***	1.5
Bottom Depth(m):	2.9	***Stratum Desc:***	Silty clay, trace gravel (till) firm grey
Stratum ID:	8503022	***Top Depth(m):***	2.9
Bottom Depth(m):	3.9	***Stratum Desc:***	Shale bedrock weathered red

---

23 ***1 of 1*** ***SSW/105.7*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	621010	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596775	***Northing::***	4796523
Location Accuracy::		***Orig. Ground Elev m::***	78.5
Elev. Reliability Note::		***DEM Ground Elev m::***	79.5
Total Depth m::	4.7	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JAN-1962	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218419425	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	SOIL. AGE POST-GLACIAL.
Stratum ID:	218419426	***Top Depth(m):***	0.2
Bottom Depth(m):	2.6	***Stratum Desc:***	SAND,CLAY,SILT. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218419427	***Top Depth(m):***	2.6
Bottom Depth(m):	3.5	***Stratum Desc:***	CLAY,SAND,GRAVEL. BROWN,COMPACT,AGE GLACIAL.
Stratum ID:	218419428	***Top Depth(m):***	3.5
Bottom Depth(m):	4.7	***Stratum Desc:***	CLAY,SAND,GRAVEL. RED,VERY DENSE,AGE GLACIAL. 00005008000850170011520000105

---

24 ***1 of 1*** ***SSW/112.0*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	891576	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Hollow stem auger	***UTM Zone::***	17
Easting::	596755	***Northing::***	4796515
Location Accuracy::		***Orig. Ground Elev m::***	79
Elev. Reliability Note::		***DEM Ground Elev m::***	79.6
Total Depth m::	9.1	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	12-MAY-1981	***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8505262	***Top Depth(m):***	0.0
Bottom Depth(m):	4.6	***Stratum Desc:***	Silty clay some sand, some gravel (Fill material) stiff, hard, with shaly layers, hard.
Stratum ID:	8505263	***Top Depth(m):***	4.6
Bottom Depth(m):	9.1	***Stratum Desc:***	Bedrock shale, weathered, sound.

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25 ***1 of 1*** ***SSW/113.8*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890892	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596727	***Northing::***	4796518
Location Accuracy::		***Orig. Ground Elev m::***	78.3
Elev. Reliability Note::		***DEM Ground Elev m::***	80
Total Depth m::	7.3	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	22-DEC-1980	***Static Water Level::***	3.1
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8503023	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	Fill - silty sand and gravel
Stratum ID:	8503024	***Top Depth(m):***	0.2
Bottom Depth(m):	1.7	***Stratum Desc:***	Silty sand to sandy silt compact brown (sm, ml)
Stratum ID:	8503025	***Top Depth(m):***	1.7
Bottom Depth(m):	3.1	***Stratum Desc:***	Silty clay, trace to some sand and gravel (till) firm grey
Stratum ID:	8503026	***Top Depth(m):***	3.1
Bottom Depth(m):	7.3	***Stratum Desc:***	Shale bedrock red weathered slightly weathered

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26 ***1 of 1*** ***SSW/115.7*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890893	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596757	***Northing::***	4796511
Location Accuracy::		***Orig. Ground Elev m::***	78.5
Elev. Reliability Note::		***DEM Ground Elev m::***	79.6
Total Depth m::	6.9	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	18-DEC-1980	***Static Water Level::***	2
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8503027	***Top Depth(m):***	0.0
Bottom Depth(m):	0.6	***Stratum Desc:***	Topsoil, Fill - sand and gravel
Stratum ID:	8503028	***Top Depth(m):***	0.6
Bottom Depth(m):	1.6	***Stratum Desc:***	Silty sand - fine, compact reddish brown (sm)

Stratum ID:	8503029	**Top Depth(m):**	1.6
Bottom Depth(m):	3.5	**Stratum Desc:**	Silty clay trace sand and gravel (till) occasional brown layer, silty sand firm to stiff yellow, grey, brown, mottled
Stratum ID:	8503030	**Top Depth(m):**	3.5
Bottom Depth(m):	6.9	**Stratum Desc:**	Shale bedrock, red weathered to slightly weathered

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27 **1 of 1** **SSW/115.9** **79.8** **ON** **BORE**

Borehole ID:	890452	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596766	**Northing::**	4796512
Location Accuracy::		**Orig. Ground Elev m::**	78.4
Elev. Reliability Note::		**DEM Ground Elev m::**	79.7
Total Depth m::	7.3	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	11-AUG-1954	**Static Water Level::**	.4
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501691	**Top Depth(m):**	3.7
Bottom Depth(m):	7.3	**Stratum Desc:**	Bedrock (limestone)
Stratum ID:	8501688	**Top Depth(m):**	0.0
Bottom Depth(m):	2.4	**Stratum Desc:**	Sand
Stratum ID:	8501689	**Top Depth(m):**	2.4
Bottom Depth(m):	3.1	**Stratum Desc:**	Medium clay
Stratum ID:	8501690	**Top Depth(m):**	3.1
Bottom Depth(m):	3.7	**Stratum Desc:**	clay till

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28 **1 of 1** **SSW/116.6** **79.8** **ON** **BORE**

Borehole ID:	625989	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596720	**Northing::**	4796518
Location Accuracy::		**Orig. Ground Elev m::**	78.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80.7
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438426	**Top Depth(m):**	0.0
Bottom Depth(m):	2.8	**Stratum Desc:**	CLAY.
Stratum ID:	218438427	**Top Depth(m):**	2.8
Bottom Depth(m):	2.8	**Stratum Desc:**	TILL,CLAY.
Stratum ID:	218438428	**Top Depth(m):**	2.8

Bottom Depth(m): **Stratum Desc:** BEDROCK. BEDROCK

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29 **1 of 1** **SSW/124.3** **79.8** **ON** **BORE**

Borehole ID:	890894	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596744	**Northing::**	4796504
Location Accuracy::		**Orig. Ground Elev m::**	78.3
Elev. Reliability Note::		**DEM Ground Elev m::**	79.8
Total Depth m::	10.7	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	18-DEC-1980	**Static Water Level::**	3
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503031	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Fill - silt, sand and gravel
Stratum ID:	8503032	**Top Depth(m):**	0.2
Bottom Depth(m):	0.8	**Stratum Desc:**	Fill - mixture of clay silt and sand, compact grey and brown
Stratum ID:	8503033	**Top Depth(m):**	0.8
Bottom Depth(m):	2.9	**Stratum Desc:**	Silty sand to sandy silt loose to compact brown (sm, ml)
Stratum ID:	8503034	**Top Depth(m):**	2.9
Bottom Depth(m):	3.8	**Stratum Desc:**	silty clay, trace sand and gravel (till) firm grey brown
Stratum ID:	8503035	**Top Depth(m):**	3.8
Bottom Depth(m):	10.7	**Stratum Desc:**	Shale bedrock - red weathered, slightly weathered

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30 **1 of 1** **S/128.3** **79.8** **ON** **BORE**

Borehole ID:	622157	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596795	**Northing::**	4796503
Location Accuracy::		**Orig. Ground Elev m::**	81.5
Elev. Reliability Note::		**DEM Ground Elev m::**	79.6
Total Depth m::	9.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1961	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218424643	**Top Depth(m):**	0.0
Bottom Depth(m):	6.6	**Stratum Desc:**	FILL,CLAY,SAND, GRAVEL. BROWN,MAN-MADE, AGE POST-GLACIAL.
Stratum ID:	218424644	**Top Depth(m):**	6.6
Bottom Depth(m):	9.2	**Stratum Desc:**	CLAY,ORGANIC. RED,VERY HARD,AGE GLACIAL. ORGANIC.

31 1 of 1 SSE/129.4 79.6 ON BORE

Borehole ID:	890930	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596870	**Northing::**	4796512
Location Accuracy::		**Orig. Ground Elev m::**	77.5
Elev. Reliability Note::		**DEM Ground Elev m::**	80
Total Depth m::	10.7	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	14-MAY-1981	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503177	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	Silty sand some clay compact
Stratum ID:	8503178	**Top Depth(m):**	3.0
Bottom Depth(m):	5.5	**Stratum Desc:**	Silty clay some sand, trace of gravel stiff with shaly layers hard
Stratum ID:	8503179	**Top Depth(m):**	5.5
Bottom Depth(m):	10.7	**Stratum Desc:**	Bedrock shale, weathered sound.

32 1 of 1 SSW/130.0 79.8 ON BORE

Borehole ID:	625987	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596750	**Northing::**	4796498
Location Accuracy::		**Orig. Ground Elev m::**	78.4
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	5.5	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438419	**Top Depth(m):**	0.0
Bottom Depth(m):	2.4	**Stratum Desc:**	SAND.
Stratum ID:	218438420	**Top Depth(m):**	2.4
Bottom Depth(m):	3.1	**Stratum Desc:**	CLAY.
Stratum ID:	218438421	**Top Depth(m):**	3.1
Bottom Depth(m):	3.7	**Stratum Desc:**	CLAY,SAND. DENSE.
Stratum ID:	218438422	**Top Depth(m):**	3.7
Bottom Depth(m):	5.5	**Stratum Desc:**	BEDROCK.

33 1 of 1 SW/135.8 80.9 ON BORE

Borehole ID:	625990	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	

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

Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596645	**Northing::**	4796543
Location Accuracy::		**Orig. Ground Elev m::**	79.4
Elev. Reliability Note::		**DEM Ground Elev m::**	80.6
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438429	**Top Depth(m):**	0.0
Bottom Depth(m):		**Stratum Desc:**	CLAY. L

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34 ***1 of 1*** ***SSW/136.4*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890440	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596720	**Northing::**	4796497
Location Accuracy::		**Orig. Ground Elev m::**	75.5
Elev. Reliability Note::		**DEM Ground Elev m::**	81.5
Total Depth m::	25.5	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	05-APR-1956	**Static Water Level::**	.2
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501643	**Top Depth(m):**	0.0
Bottom Depth(m):	2.1	**Stratum Desc:**	Very loose grey brown medium sand
Stratum ID:	8501644	**Top Depth(m):**	2.1
Bottom Depth(m):	10.4	**Stratum Desc:**	firm brown organic silty clay
Stratum ID:	8501645	**Top Depth(m):**	10.4
Bottom Depth(m):	25.5	**Stratum Desc:**	stiff reddish-brown till

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35 ***1 of 3*** ***SSW/138.1*** ***79.8*** ***SPL***

TRANSPORT TRUCK
QEW NORTHBOUND AT NORTH SHORE BLVD.
MOTOR VEHICLE (OPERATING FLUID)
BURLINGTON CITY ON

Ref No:	180554	**Site Address:**	
Contaminant Name:		**Site Conc:**	
Contaminant Code:		**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	14101
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Sector Type:**	
MOE Reported Dt:	5/9/2000	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	LAND
Incident Dt:	5/9/2000	**Receiving Env:**	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	**Environment Impact:**	POSSIBLE
Incident Event:		**Nature of Impact:**	Soil contamination
Incident Reason:	UNKNOWN	**SAC Action Class:**	
Incident Summary:	TRANS-PROVINCIAL:DIESEL LEAK ONTO HWY, MVA, OPP, FD & MTO.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	2 of 3	SSW/138.1	79.8	WILSON TRUCK LINES SOUTHBOUND QEW AT HWY 2 BURLINGTON TANK TRUCK (CARGO) BURLINGTON CITY ON	SPL

Ref No:	42687	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	14101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	10/27/1990	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND / WATER
Incident Dt:	10/27/1990	Receiving Env:	
Incident Cause:	TRUCK/TRAILER OVERTURN	Environment Impact:	POSSIBLE
Incident Event:		Nature of Impact:	Soil contamination
Incident Reason:	ADVERSE ROAD CONDITION	SAC Action Class:	
Incident Summary:	WILSON TRUCK LINES:OVER- TURN.800 L DIESEL FUEL TOGROUND,STORM SEWER.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	3 of 3	SSW/138.1	79.8	PRIVATE OWNER QEW OFF RAMP AT NORTH SHORE BLVD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SPL

Ref No:	181276	Site Address:	
Contaminant Name:		Site Conc:	
Contaminant Code:		Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	14101
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:		Sector Type:	
MOE Reported Dt:	5/26/2000	Source Type:	
Health/Env Conseq:		Receiving Medium:	LAND
Incident Dt:	5/26/2000	Receiving Env:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	Environment Impact:	POSSIBLE
Incident Event:		Nature of Impact:	Other
Incident Reason:	UNKNOWN	SAC Action Class:	
Incident Summary:	PRIVATE OWNER: MVA INVOL-VING CAR RESULTED IN SPILL OF 25 L GAS TO ROAD		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
36	1 of 4	SSW/139.7	79.8	Cam-Scott Transport Ltd.<UNOFFICIAL> QEW & NORTH SHORE BLVD.<UNOFFICIAL> Burlington ON	SPL

Ref No:	3535-5SDL6T	Site Address:	
Contaminant Name:	DIESEL FUEL	Site Conc:	
Contaminant Code:	13	Site Lot:	
Contaminant Limit 1:		Site County/District:	
Contam. Limit Freq 1:		Site Municipality:	Burlington
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	227.5 L	Sector Type:	Transport Truck
MOE Reported Dt:	10/16/2003	Source Type:	
Health/Env Conseq:		Receiving Medium:	Land
Incident Dt:	10/16/2003	Receiving Env:	
Incident Cause:	Other Transport Accident	Environment Impact:	Possible
Incident Event:		Nature of Impact:	Soil Contamination
Incident Reason:	Adverse Road Condition - Road faults	SAC Action Class:	Spills
Incident Summary:	50 gal. diesel fuel spill to road.		

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

36 *2 of 4* *SSW/139.7* *79.8*

Gerth Concrete<UNOFFICIAL>
Westbound Lanes of the QEW at North Shore Blvd. QEW<UNOFFICIAL>
Burlington ON

SPL

Ref No:	2004-6U4K9R	***Site Address:***	WESTBOUND LANES OF THE QEW AT NORTH SHORE BLVD.
Contaminant Name:	HYDRAULIC OIL	***Site Conc:***	
Contaminant Code:	13	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	10 L	***Sector Type:***	Transport Truck
MOE Reported Dt:	9/29/2006	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	Land
Incident Dt:	9/29/2006	***Receiving Env:***	
Incident Cause:	Pipe Or Hose Leak	***Environment Impact:***	Possible
Incident Event:		***Nature of Impact:***	Other Impact(s)
Incident Reason:	Other - Reason not otherwise defined	***SAC Action Class:***	
Incident Summary:	QEW: MVA, hydraulic oil spill in Burlington, cleaning		

36 *3 of 4* *SSW/139.7* *79.8*

TRANSPORT TRUCK
QEW NORTHBOUND, SOUTH OF NORTH SHORE. MOTOR VEHICLE (OPERATING FLUID)
BURLINGTON CITY ON

SPL

Ref No:	154872	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	14101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	4/22/1998	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND
Incident Dt:	4/22/1998	***Receiving Env:***	
Incident Cause:	TRUCK/TRAILER OVERTURN	***Environment Impact:***	CONFIRMED
Incident Event:		***Nature of Impact:***	Soil contamination
Incident Reason:	UNKNOWN	***SAC Action Class:***	
Incident Summary:	UNITED PARCEL SERVICE-MVAON QEW,900 L DIESEL TO DITCH, CLEANING,FD & MTO.		

36 *4 of 4* *SSW/139.7* *79.8*

MDS Trucking <UNOFFICIAL>
QEW and North Shore Blvd, before Skyway Bridge
Burlington ON

SPL

Ref No:	8388-8L3R46	***Site Address:***	QEW and North Shore Blvd, before Skyway Bridge
Contaminant Name:	DIESEL FUEL	***Site Conc:***	
Contaminant Code:	13	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	250 L	***Sector Type:***	
MOE Reported Dt:	8/25/2011	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	8/25/2011	***Receiving Env:***	

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

Incident Cause:		**Environment Impact:**	Confirmed
Incident Event:		**Nature of Impact:**	
Incident Reason:		**SAC Action Class:**	Land Spills
Incident Summary:	TT accident:QEW diesel to rd, ctd, 250L		

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37 **1 of 1** **WNW/147.6** **85.8** **1160 BELLVIEW STREET#33, BURLINGTON ON** **PINC**

Incident ID:		**Health Impact:**	
Incident No:	1696442	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	Yes
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Fuel Occurrence Tp:		**Enforce Policy:**	Yes
Fuel Type:		**Public Relation:**	
Tank Status:	RC Established	**Pipeline System:**	
Task No:	5816630	**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Method Details:	E-mail	**PSIG:**	
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:		**Regualtor Location:**	
Occurrence Start Date:	2015/10/29		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	1160 BELLVIEW STREET#33, BURLINGTON - PIPELINE HIT - 1/2"		
Reported By:	John Blakley - UNION GAS		
Affiliation:			
Occurrence Desc:			
Damage Reason:	Excavation practices not sufficient		
Notes:			

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38 **1 of 1** **SW/148.0** **79.8** **ON** **BORE**

Borehole ID:	625988	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596680	**Northing::**	4796503
Location Accuracy::		**Orig. Ground Elev m::**	78.5
Elev. Reliability Note::		**DEM Ground Elev m::**	80.8
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438423	**Top Depth(m):**	0.0
Bottom Depth(m):	3.4	**Stratum Desc:**	CLAY.
Stratum ID:	218438424	**Top Depth(m):**	3.4
Bottom Depth(m):	3.8	**Stratum Desc:**	TILL,CLAY.
Stratum ID:	218438425	**Top Depth(m):**	3.8
Bottom Depth(m):		**Stratum Desc:**	BEDROCK. BEDROCK

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39 **1 of 1** **WNW/149.7** **85.8** **BURLINGTON ON** **WWIS**

Well ID:	7240066	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	4/17/2015
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7484
Casing Material:		**Form Version:**	7
Audit No:	Z189192	**Owner:**	
Tag:	A165789	**Street Name:**	1141 BELVIEW CRES
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005324672	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	4
Code OB Desc:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	85.863563	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	2/5/2015
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005595849
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	29
Other Materials:	FINE GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	6.00
Formation End Depth UOM:	ft

Formation ID:	1005595850
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	

Other Materials:
Formation Top Depth: 6.00
Formation End Depth: 12.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005595857
Layer: 1
Plug From: 0.00
Plug To: 6.00
Plug Depth UOM: ft

Plug ID: 1005595858
Layer: 2
Plug From: 6.00
Plug To: 12.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005595856
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: AUGER

Pipe Information

Pipe ID: 1005595848
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005595853
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.00
Depth To: 5.00
Casing Diameter: 2.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005595854
Layer: 1
Slot: 10
Screen Top Depth: 5.00
Screen End Depth: 12.00
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.50

Water Details

Water ID:	1005595852
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005595851
Diameter:	6.00
Depth From:	0.00
Depth To:	12.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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40 ***1 of 1*** ***SSW/151.3*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	625986	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596715	**Northing::**	4796483
Location Accuracy::		**Orig. Ground Elev m::**	78.1
Elev. Reliability Note::		**DEM Ground Elev m::**	81.5
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438417	**Top Depth(m):**	2.8
Bottom Depth(m):	3.7	**Stratum Desc:**	CLAY,SAND. DENSE.
Stratum ID:	218438418	**Top Depth(m):**	3.7
Bottom Depth(m):		**Stratum Desc:**	BEDROCK.
Stratum ID:	218438415	**Top Depth(m):**	0.0
Bottom Depth(m):	1.8	**Stratum Desc:**	SAND.
Stratum ID:	218438416	**Top Depth(m):**	1.8
Bottom Depth(m):	2.8	**Stratum Desc:**	CLAY.

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41 ***1 of 1*** ***S/151.8*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890451	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596813	**Northing::**	4796482
Location Accuracy::		**Orig. Ground Elev m::**	77.7
Elev. Reliability Note::		**DEM Ground Elev m::**	79.8
Total Depth m::	4.6	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	06-AUG-1954	**Static Water Level::**	2.3
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501685	**Top Depth(m):**	0.0

Bottom Depth(m):	2.0	**Stratum Desc:**	Sand
Stratum ID:	8501686	**Top Depth(m):**	2.0
Bottom Depth(m):	2.9	**Stratum Desc:**	clay
Stratum ID:	8501687	**Top Depth(m):**	2.9
Bottom Depth(m):	4.6	**Stratum Desc:**	clay till

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42 **1 of 1** **E/155.4** **80.0** **ON** **BORE**

Borehole ID:	621950	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597055	**Northing::**	4796703
Location Accuracy::		**Orig. Ground Elev m::**	80.8
Elev. Reliability Note::		**DEM Ground Elev m::**	80.7
Total Depth m::	7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423439	**Top Depth(m):**	0.0
Bottom Depth(m):	0.8	**Stratum Desc:**	FILL,SAND. MAN-MADE,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423440	**Top Depth(m):**	0.8
Bottom Depth(m):	1.7	**Stratum Desc:**	CLAY,SILT. BROWN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423441	**Top Depth(m):**	1.7
Bottom Depth(m):	4.1	**Stratum Desc:**	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423442	**Top Depth(m):**	4.1
Bottom Depth(m):	6.1	**Stratum Desc:**	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423443	**Top Depth(m):**	6.1
Bottom Depth(m):	7.0	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 0013602500200050AGE UNDI

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43 **1 of 1** **E/156.6** **79.8** **ON** **BORE**

Borehole ID:	621951	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597055	**Northing::**	4796673
Location Accuracy::		**Orig. Ground Elev m::**	79.9
Elev. Reliability Note::		**DEM Ground Elev m::**	80.2
Total Depth m::	5.5	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1907	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

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

--Details--

Stratum ID:	218423444	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423445	***Top Depth(m):***	0.2
Bottom Depth(m):	0.5	***Stratum Desc:***	FILL,SAND. MAN-MADE,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423446	***Top Depth(m):***	0.5
Bottom Depth(m):	2.1	***Stratum Desc:***	SILT,CLAY. BROWN,STIFF,GRANULAR, AGE GLACIAL.
Stratum ID:	218423447	***Top Depth(m):***	2.1
Bottom Depth(m):	3.5	***Stratum Desc:***	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423448	***Top Depth(m):***	3.5
Bottom Depth(m):	4.6	***Stratum Desc:***	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423449	***Top Depth(m):***	4.6
Bottom Depth(m):	5.5	***Stratum Desc:***	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 001151400015006500086

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44 ***1 of 1*** ***E/158.3*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	621952	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	597055	***Northing::***	4796663
Location Accuracy::		***Orig. Ground Elev m::***	79.5
Elev. Reliability Note::		***DEM Ground Elev m::***	80.1
Total Depth m::	4.3	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	MAR-1967	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218423450	***Top Depth(m):***	0.0
Bottom Depth(m):	0.0	***Stratum Desc:***	SOIL. AGE POST-GLACIAL.
Stratum ID:	218423451	***Top Depth(m):***	0.0
Bottom Depth(m):	0.6	***Stratum Desc:***	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423452	***Top Depth(m):***	0.6
Bottom Depth(m):	2.3	***Stratum Desc:***	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423453	***Top Depth(m):***	2.3
Bottom Depth(m):	3.4	***Stratum Desc:***	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423454	***Top Depth(m):***	3.4
Bottom Depth(m):	4.0	***Stratum Desc:***	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.

Stratum ID:	218423455	**Top Depth(m):**	4.0
Bottom Depth(m):	4.3	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 000750070011005000130050001 00

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45 *1 of 1* *SSE/159.4* *79.8* *ON* **BORE**

Borehole ID:	622132	**Type:**	Borehole
Use:	Water Supply	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596875	**Northing::**	4796483
Location Accuracy::		**Orig. Ground Elev m::**	76.1
Elev. Reliability Note::		**DEM Ground Elev m::**	80
Total Depth m::	5.9	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1962	**Static Water Level::**	-999.9
Primary Water Use::	Municipal	**Sec. Water Use::**	

--Details--

Stratum ID:	218424539	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218424540	**Top Depth(m):**	0.2
Bottom Depth(m):	1.8	**Stratum Desc:**	SILT,CLAY. BROWN,COMPACT,LAMINATED, AGE GLACIAL.
Stratum ID:	218424541	**Top Depth(m):**	1.8
Bottom Depth(m):	4.4	**Stratum Desc:**	SILT,CLAY. GREEN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218424542	**Top Depth(m):**	4.4
Bottom Depth(m):	5.9	**Stratum Desc:**	BEDROCK,SHALE,CLAY. RED,VERY HARD,LAYERED, AGE UNDIFFERENTIATED. 000050120006000600050POST-GLAC

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46 *1 of 1* *E/160.5* *79.8* *ON* **BORE**

Borehole ID:	621953	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597055	**Northing::**	4796653
Location Accuracy::		**Orig. Ground Elev m::**	79.5
Elev. Reliability Note::		**DEM Ground Elev m::**	80
Total Depth m::	14.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423456	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218423457	**Top Depth(m):**	0.2
Bottom Depth(m):	1.4	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.

Stratum ID:	218423458	**Top Depth(m):**	1.4
Bottom Depth(m):	4.1	**Stratum Desc:**	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423459	**Top Depth(m):**	4.1
Bottom Depth(m):	4.3	**Stratum Desc:**	CLAY,SILT,STONES. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423460	**Top Depth(m):**	4.3
Bottom Depth(m):	7.0	**Stratum Desc:**	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423461	**Top Depth(m):**	7.0
Bottom Depth(m):	14.2	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 002301000013450

47 **1 of 1** **SW/162.3** **79.8** **ON** **BORE**

Borehole ID:	890895	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596678	**Northing::**	4796487
Location Accuracy::		**Orig. Ground Elev m::**	78.2
Elev. Reliability Note::		**DEM Ground Elev m::**	80.1
Total Depth m::	6.1	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	16-DEC-1980	**Static Water Level::**	3
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503036	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Fill - silty sand and gravel, grey
Stratum ID:	8503037	**Top Depth(m):**	0.3
Bottom Depth(m):	0.9	**Stratum Desc:**	Fill - sand, some silt and gravel, compact brown
Stratum ID:	8503038	**Top Depth(m):**	0.9
Bottom Depth(m):	3.2	**Stratum Desc:**	Silty clay, trace sand and gravel (till) very stiff to hard reddish brown
Stratum ID:	8503039	**Top Depth(m):**	3.2
Bottom Depth(m):	6.1	**Stratum Desc:**	Shale bedrock weathered red

48 **1 of 2** **SW/162.4** **79.9** **ON** **BORE**

Borehole ID:	621005	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596655	**Northing::**	4796503
Location Accuracy::		**Orig. Ground Elev m::**	78.2
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	4.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

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

--Details--

Stratum ID:	218419407	***Top Depth(m):***	0.0
Bottom Depth(m):	0.8	***Stratum Desc:***	FILL,SAND,GRAVEL. BROWN,MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218419408	***Top Depth(m):***	0.8
Bottom Depth(m):	2.7	***Stratum Desc:***	SAND. BROWN,DENSE,AGE GLACIAL.
Stratum ID:	218419409	***Top Depth(m):***	2.7
Bottom Depth(m):	3.2	***Stratum Desc:***	CLAY,SILT,GRAVEL. BROWN,VERY DENSE,AGE GLACIAL.
Stratum ID:	218419410	***Top Depth(m):***	3.2
Bottom Depth(m):	4.0	***Stratum Desc:***	CLAY,SAND. RED,VERY DENSE,AGE GLACIAL.
Stratum ID:	218419411	***Top Depth(m):***	4.0
Bottom Depth(m):	4.6	***Stratum Desc:***	BEDROCK,SHALE. RED,VERY DENSE,LAYERED, AGE UNDIFFERENTIATED. 00000025000250410008707000105300001 3

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48 ***2 of 2*** ***SW/162.4*** ***79.9*** ***ON*** ***BORE***

Borehole ID:	622176	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596655	***Northing::***	4796503
Location Accuracy::		***Orig. Ground Elev m::***	75.6
Elev. Reliability Note::		***DEM Ground Elev m::***	79.9
Total Depth m::	3.7	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JAN-1961	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218424698	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218424699	***Top Depth(m):***	0.2
Bottom Depth(m):	2.8	***Stratum Desc:***	FILL,SAND,GRAVEL, CLAY. MAN-MADE,SOFT, AGE POST-GLACIAL.
Stratum ID:	218424700	***Top Depth(m):***	2.8
Bottom Depth(m):	3.7	***Stratum Desc:***	SILT,SAND,GRAVEL. BROWN,HARD,LAYERED, AGE GLACIAL. 000060050009303700090

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49 ***1 of 1*** ***NE/164.1*** ***84.9*** ***ON*** ***BORE***

Borehole ID:	622389	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596955	***Northing::***	4796863
Location Accuracy::		***Orig. Ground Elev m::***	83.5
Elev. Reliability Note::		***DEM Ground Elev m::***	85.1
Total Depth m::	-999	***Primary Name::***	
Township::		***Concession::***	

Lot:: | **Municipality:**
Completion Date:: DEC-1969 | **Static Water Level::** -999.9
Primary Water Use:: Not Used | **Sec. Water Use::**

--Details--

Stratum ID:	218425394	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218425395	**Top Depth(m):**	0.2
Bottom Depth(m):	1.2	**Stratum Desc:**	SAND. BROWN,LOOSE,UNIFORM, AGE GLACIAL.
Stratum ID:	218425396	**Top Depth(m):**	1.2
Bottom Depth(m):	2.1	**Stratum Desc:**	SAND,SILT. BROWN,COMPACT,UNIFORM, AGE GLACIAL.
Stratum ID:	218425397	**Top Depth(m):**	2.1
Bottom Depth(m):	3.7	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,DENSE,UNIFORM, AGE GLACIAL.
Stratum ID:	218425398	**Top Depth(m):**	3.7
Bottom Depth(m):	4.6	**Stratum Desc:**	CLAY,SILT. GREEN,STIFF,UNIFORM, AGE GLACIAL.
Stratum ID:	218425399	**Top Depth(m):**	4.6
Bottom Depth(m):	4.9	**Stratum Desc:**	BEDROCK,SHALE. AGE UNDIFFERENTIATED.
Stratum ID:	218425400	**Top Depth(m):**	4.9
Bottom Depth(m):		**Stratum Desc:**	REFUSAL OF ENTRY. 00006006000400110007004000120013000700

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50 **1 of 1** **SSW/167.7** **79.8** **ON** **BORE**

Borehole ID:	890897	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596693	**Northing::**	4796473
Location Accuracy::		**Orig. Ground Elev m::**	78.2
Elev. Reliability Note::		**DEM Ground Elev m::**	80.3
Total Depth m::	7.8	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	17-DEC-1980	**Static Water Level::**	3.2
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503045	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Fill - gravel, compact
Stratum ID:	8503046	**Top Depth(m):**	0.3
Bottom Depth(m):	0.5	**Stratum Desc:**	Fill - silty sand and gravel
Stratum ID:	8503047	**Top Depth(m):**	0.5
Bottom Depth(m):	3.2	**Stratum Desc:**	Silty sand to sandy silt loose to compact brown (sm, ml)
Stratum ID:	8503048	**Top Depth(m):**	3.2
Bottom Depth(m):	4.0	**Stratum Desc:**	silty clay, trace sand and gravel (till) very stiff to hard grey brown
Stratum ID:	8503049	**Top Depth(m):**	4.0

Bottom Depth(m):	7.8	**Stratum Desc:**	Shale bedrock reddish brown and grey, weathered

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51 **1 of 1** **S/172.9** **79.8** **ON** **BORE**

Borehole ID:	625985	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596795	**Northing::**	4796458
Location Accuracy::		**Orig. Ground Elev m::**	77.7
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438412	**Top Depth(m):**	0.0
Bottom Depth(m):	2.0	**Stratum Desc:**	SAND.
Stratum ID:	218438413	**Top Depth(m):**	2.0
Bottom Depth(m):	4.6	**Stratum Desc:**	CLAY.
Stratum ID:	218438414	**Top Depth(m):**	4.6
Bottom Depth(m):		**Stratum Desc:**	ROCK. K.

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52 **1 of 1** **S/173.5** **79.8** **ON** **BORE**

Borehole ID:	621011	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596835	**Northing::**	4796463
Location Accuracy::		**Orig. Ground Elev m::**	78.3
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	6.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419429	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218419430	**Top Depth(m):**	0.2
Bottom Depth(m):	2.9	**Stratum Desc:**	SAND,CLAY,SILT. BROWN,COMPACT,AGE GLACIAL.
Stratum ID:	218419431	**Top Depth(m):**	2.9
Bottom Depth(m):	5.6	**Stratum Desc:**	CLAY,SAND,GRAVEL. GREEN,LOOSE,AGE GLACIAL.
Stratum ID:	218419432	**Top Depth(m):**	5.6
Bottom Depth(m):	6.2	**Stratum Desc:**	CLAY,SAND,GRAVEL. RED,VERY DENSE,AGE GLACIAL. 00007026000950060018508700070

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

53 **1 of 1** **SW/174.1** **79.7** **ON** **BORE**

Borehole ID:	890896	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596664	**Northing::**	4796481
Location Accuracy::		**Orig. Ground Elev m::**	77.9
Elev. Reliability Note::		**DEM Ground Elev m::**	79.1
Total Depth m::	8.1	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	15-DEC-1980	**Static Water Level::**	3.1
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503040	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil
Stratum ID:	8503041	**Top Depth(m):**	0.3
Bottom Depth(m):	0.8	**Stratum Desc:**	Fill - silty sand and gravel, compact brown
Stratum ID:	8503042	**Top Depth(m):**	0.8
Bottom Depth(m):	3.1	**Stratum Desc:**	Silty sand to sand some silt compact to dense brown (sm)
Stratum ID:	8503043	**Top Depth(m):**	3.1
Bottom Depth(m):	3.4	**Stratum Desc:**	Silty clay, traces sand, gravel and shale fragments (till) brown
Stratum ID:	8503044	**Top Depth(m):**	3.4
Bottom Depth(m):	8.1	**Stratum Desc:**	Shale bedrock, weathered red

54 **1 of 1** **E/175.4** **79.8** **ON** **BORE**

Borehole ID:	621946	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597075	**Northing::**	4796703
Location Accuracy::		**Orig. Ground Elev m::**	78
Elev. Reliability Note::		**DEM Ground Elev m::**	80.6
Total Depth m::	5.8	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423415	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423416	**Top Depth(m):**	0.1
Bottom Depth(m):	1.7	**Stratum Desc:**	FILL,SAND. MAN-MADE,LOOSE,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423417	**Top Depth(m):**	1.7
Bottom Depth(m):	2.7	**Stratum Desc:**	CLAY,SILT. BROWN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423418	**Top Depth(m):**	2.7
Bottom Depth(m):	3.4	**Stratum Desc:**	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE

GLACIAL.

Stratum ID: 218423419 **Top Depth(m):** 3.4
Bottom Depth(m): 4.9 **Stratum Desc:** BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.

Stratum ID: 218423420 **Top Depth(m):** 4.9
Bottom Depth(m): 5.8 **Stratum Desc:** BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.

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55 **1 of 1** **WSW/176.0** **81.2** **ON** **BORE**

Borehole ID: 621007 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 596575 **Northing::** 4796563
Location Accuracy:: **Orig. Ground Elev m::** 80.8
Elev. Reliability Note:: **DEM Ground Elev m::** 81
Total Depth m:: 3.9 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: JAN-1962 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218419417 **Top Depth(m):** 1.2
Bottom Depth(m): 2.4 **Stratum Desc:** CLAY. VARI-COLOURED,STIFF, AGE GLACIAL.

Stratum ID: 218419418 **Top Depth(m):** 2.4
Bottom Depth(m): 3.9 **Stratum Desc:** CLAY,GRAVEL,SAND. RED,VERY DENSE,AGE GLACIAL. 0000001500040010000801 40GE UN

Stratum ID: 218419416 **Top Depth(m):** 0.0
Bottom Depth(m): 1.2 **Stratum Desc:** FILL,CLAY,SAND. BROWN,MAN-MADE,COMPACT, AGE POST-GLACIAL.

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56 **1 of 1** **E/176.4** **79.8** **ON** **BORE**

Borehole ID: 621947 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 597075 **Northing::** 4796673
Location Accuracy:: **Orig. Ground Elev m::** 80.3
Elev. Reliability Note:: **DEM Ground Elev m::** 80.2
Total Depth m:: 5.5 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: MAR-1967 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218423421 **Top Depth(m):** 0.0
Bottom Depth(m): 0.5 **Stratum Desc:** FILL,SAND,GRAVEL. MAN-MADE,GRANULAR, AGE POST-GLACIAL.

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

Stratum ID:	218423422	**Top Depth(m):**	0.5
Bottom Depth(m):	1.1	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423423	**Top Depth(m):**	1.1
Bottom Depth(m):	3.9	**Stratum Desc:**	CLAY,SILT. GREEN,VERY SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423424	**Top Depth(m):**	3.9
Bottom Depth(m):	4.6	**Stratum Desc:**	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423425	**Top Depth(m):**	4.6
Bottom Depth(m):	5.5	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 0012715000113

57 **1 of 1** **SW/176.6** **79.7** **ON** **BORE**

Borehole ID:	891577	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596667	**Northing::**	4796477
Location Accuracy::		**Orig. Ground Elev m::**	84.6
Elev. Reliability Note::		**DEM Ground Elev m::**	78.9
Total Depth m::	6.1	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	12-MAY-1981	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8505264	**Top Depth(m):**	0.0
Bottom Depth(m):	5.2	**Stratum Desc:**	Silty clay some sand, some gravel, hard with shaly layers
Stratum ID:	8505265	**Top Depth(m):**	5.2
Bottom Depth(m):	6.1	**Stratum Desc:**	Bedrock, shale, weathered, sound.

58 **1 of 1** **SSW/177.9** **79.8** **ON** **BORE**

Borehole ID:	890898	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596681	**Northing::**	4796467
Location Accuracy::		**Orig. Ground Elev m::**	78.1
Elev. Reliability Note::		**DEM Ground Elev m::**	78.9
Total Depth m::	4.7	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	17-DEC-1980	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503053	**Top Depth(m):**	2.7
Bottom Depth(m):	4.0	**Stratum Desc:**	silty clay, trace sand and gravel (till) mottled grey very stiff to hard brown

Stratum ID:	8503054	**Top Depth(m):**	4.0
Bottom Depth(m):	4.7	**Stratum Desc:**	Shale bedrock weathered red
Stratum ID:	8503050	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Fill - silty sand and gravel
Stratum ID:	8503051	**Top Depth(m):**	0.3
Bottom Depth(m):	1.6	**Stratum Desc:**	Silty sand to sandy silt - compact brown
Stratum ID:	8503052	**Top Depth(m):**	1.6
Bottom Depth(m):	2.7	**Stratum Desc:**	Sand - fine to medium, compact grey brown

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59 **1 of 1** **E/178.0** **79.8** **ON** **BORE**

Borehole ID:	621948	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597075	**Northing::**	4796663
Location Accuracy::		**Orig. Ground Elev m::**	79.8
Elev. Reliability Note::		**DEM Ground Elev m::**	80.1
Total Depth m::	8.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1968	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423426	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218423427	**Top Depth(m):**	0.2
Bottom Depth(m):	0.6	**Stratum Desc:**	CLAY,SILT. BROWN,UNIFORM,AGE GLACIAL.
Stratum ID:	218423428	**Top Depth(m):**	0.6
Bottom Depth(m):	1.2	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,GRANULAR,AGE GLACIAL.
Stratum ID:	218423429	**Top Depth(m):**	1.2
Bottom Depth(m):	3.7	**Stratum Desc:**	CLAY,SILT. BROWN,VERY SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423430	**Top Depth(m):**	3.7
Bottom Depth(m):	4.3	**Stratum Desc:**	CLAY,SILT. BROWN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218423431	**Top Depth(m):**	4.3
Bottom Depth(m):	6.7	**Stratum Desc:**	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423432	**Top Depth(m):**	6.7
Bottom Depth(m):	8.1	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 00086

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60 **1 of 1** **SW/178.5** **79.8** **ON** **BORE**

Borehole ID:	890455	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned

Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596615	**Northing::**	4796512
Location Accuracy::		**Orig. Ground Elev m::**	79.4
Elev. Reliability Note::		**DEM Ground Elev m::**	79.7
Total Depth m::	3.3	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	16-AUG-1954	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501697	**Top Depth(m):**	0.0
Bottom Depth(m):	3.3	**Stratum Desc:**	Grey medium clay

---

61 ***1 of 1*** ***SW/179.4*** ***79.6*** ***ON*** ***BORE***

Borehole ID:	890445	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596651	**Northing::**	4796484
Location Accuracy::		**Orig. Ground Elev m::**	78.5
Elev. Reliability Note::		**DEM Ground Elev m::**	78.9
Total Depth m::	6.2	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	16-AUG-1954	**Static Water Level::**	3.4
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501658	**Top Depth(m):**	0.0
Bottom Depth(m):	3.4	**Stratum Desc:**	Clay
Stratum ID:	8501659	**Top Depth(m):**	3.4
Bottom Depth(m):	3.8	**Stratum Desc:**	Clay till
Stratum ID:	8501660	**Top Depth(m):**	3.8
Bottom Depth(m):	6.2	**Stratum Desc:**	bedrock

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62 ***1 of 1*** ***SSW/180.0*** ***79.6*** ***ON*** ***BORE***

Borehole ID:	891579	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596677	**Northing::**	4796467
Location Accuracy::		**Orig. Ground Elev m::**	77.5
Elev. Reliability Note::		**DEM Ground Elev m::**	78.7
Total Depth m::	10.7	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	14-MAY-1981	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8505268	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	Silty sand some clay, compact.
Stratum ID:	8505269	**Top Depth(m):**	3.0
Bottom Depth(m):	5.5	**Stratum Desc:**	Silty clay, some sand, trace of gravel stiff with

shaly layers. Hard

Stratum ID: 8505270 **Top Depth(m):** 5.5
Bottom Depth(m): 10.7 **Stratum Desc:** Bedrock shale, weathered, sound

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63 *1 of 1* *SSE/183.0* *79.8* *ON* **BORE**

Borehole ID: 890931 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::** Decommissioned
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 596862 **Northing::** 4796457
Location Accuracy:: **Orig. Ground Elev m::** 81
Elev. Reliability Note:: **DEM Ground Elev m::** 80
Total Depth m:: 9.3 **Primary Name::**
Township:: NELSON **Concession::** BRANTS BLOCK
Lot:: **Municipality:**
Completion Date:: 14-DEC-1981 **Static Water Level::** -999.9
Primary Water Use:: **Sec. Water Use::**

--Details--

Stratum ID: 8503180 **Top Depth(m):** 0.0
Bottom Depth(m): 5.2 **Stratum Desc:** silty sand some clay compact to very dense

Stratum ID: 8503181 **Top Depth(m):** 5.2
Bottom Depth(m): 8.8 **Stratum Desc:** Silty clay some sand, trace of gravel. Stiff with shaly layers hard

Stratum ID: 8503182 **Top Depth(m):** 8.8
Bottom Depth(m): 9.3 **Stratum Desc:** Bedrock shale, weathered hard

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64 *1 of 1* *NW/184.2* *84.9* *BURLINGTON ON* **WWIS**

Well ID: 2810029 **Data Entry Status:**
Construction Date: **Data Src:** 1
Primary Water Use: Not Used **Date Received:** 8/25/2004
Sec. Water Use: **Selected Flag:** 1
Final Well Status: Observation Wells **Abandonment Rec:**
Water Type: **Contractor:** 6607
Casing Material: **Form Version:** 3
Audit No: Z15891 **Owner:**
Tag: A014513 **Street Name:** 1167 BELLVIEW CRES
Construction Method: **County:** HALTON
Elevation (m): **Municipality:** BURLINGTON CITY
Elevation Reliability: **Site Info:**
Depth to Bedrock: **Lot:**
Well Depth: **Concession:**
Overburden/Bedrock: **Concession Name:** BB
Pump Rate: **Easting NAD83:**
Static Water Level: **Northing NAD83:**
Flowing (Y/N): **Zone:**
Flow Rate: **UTM Reliability:**
Clear/Cloudy:

Bore Hole Information

Bore Hole ID: 11174646 **Spatial Status:**
DP2BR: 5 **Cluster Kind:**
Code OB: r **UTMRC:** 3
Code OB Desc: Bedrock **UTMRC Desc:** margin of error : 10 - 30 m

Open Hole:
Elevation: 84.667106
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Location Method: wwr
Org CS: UTM83
Date Completed: 7/21/2004

Overburden and Bedrock Materials Interval

Formation ID: 932974848
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 34
Other Materials: TILL
Mat3: 73
Other Materials: HARD
Formation Top Depth: 0.00
Formation End Depth: 1.50
Formation End Depth UOM: m

Formation ID: 932974849
Layer: 2
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2: 26
Other Materials: ROCK
Mat3:
Other Materials:
Formation Top Depth: 1.50
Formation End Depth: 6.00
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933255857
Layer: 1
Plug From: 0.00
Plug To: 4.20
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 962810029
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11183165

Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930845955
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	4.50
Casing Diameter:	1.50
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933409555
Layer:	1
Slot:	10
Screen Top Depth:	4.50
Screen End Depth:	6.00
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	2.00

Water Details

Water ID:	934052427
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	4.80
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11308248
Diameter:	15.00
Depth From:	0.00
Depth To:	6.00
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

65 ***1 of 1*** ***SSW/184.5*** ***79.6*** ***ON*** ***BORE***

Borehole ID:	890446	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596681	**Northing::**	4796460
Location Accuracy::		**Orig. Ground Elev m::**	78.1
Elev. Reliability Note::		**DEM Ground Elev m::**	78.3
Total Depth m::	5.1	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	17-AUG-1954	**Static Water Level::**	2.7
Primary Water Use::		**Sec. Water Use::**	

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

--Details--

Stratum ID:	8501661	***Top Depth(m):***	0.0
Bottom Depth(m):	1.8	***Stratum Desc:***	Fine sand
Stratum ID:	8501662	***Top Depth(m):***	1.8
Bottom Depth(m):	2.8	***Stratum Desc:***	Sandy clay
Stratum ID:	8501663	***Top Depth(m):***	2.8
Bottom Depth(m):	3.4	***Stratum Desc:***	Dense sandy clay
Stratum ID:	8501664	***Top Depth(m):***	3.4
Bottom Depth(m):	5.1	***Stratum Desc:***	Rock

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66 ***1 of 1*** ***S/188.9*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890441	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	596783	***Northing::***	4796440
Location Accuracy::		***Orig. Ground Elev m::***	75.4
Elev. Reliability Note::		***DEM Ground Elev m::***	80.3
Total Depth m::	21.8	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	11-APR-1956	***Static Water Level::***	.2
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8501646	***Top Depth(m):***	0.0
Bottom Depth(m):	2.7	***Stratum Desc:***	Very loose grey-brown medium sand
Stratum ID:	8501647	***Top Depth(m):***	2.7
Bottom Depth(m):	21.5	***Stratum Desc:***	Firm brown organic silty clay
Stratum ID:	8501648	***Top Depth(m):***	21.5
Bottom Depth(m):	21.8	***Stratum Desc:***	Stiff reddish brown till

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67 ***1 of 1*** ***NE/189.0*** ***81.8*** ***PUC*** ***1237 NORTH SHORE BLVD. TRANSFORMER*** ***BURLINGTON CITY ON*** ***SPL***

Ref No:	65725	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	14101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	1/3/1992	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	LAND
Incident Dt:	1/3/1992	***Receiving Env:***	
Incident Cause:	OTHER CONTAINER LEAK	***Environment Impact:***	CONFIRMED
Incident Event:		***Nature of Impact:***	Soil Contamination
Incident Reason:	EQUIPMENT FAILURE	***SAC Action Class:***	
Incident Summary:	PUC -TRANSFORMER OIL TO GROUND FROM PAD-MOUNT TRANSFORMER LEAK.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
68	1 of 1	E/189.7	79.8	ON	BORE

Borehole ID:	621949	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597085	**Northing::**	4796653
Location Accuracy::		**Orig. Ground Elev m::**	80.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80
Total Depth m::	8.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423433	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218423434	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423435	**Top Depth(m):**	1.5
Bottom Depth(m):	4.1	**Stratum Desc:**	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423436	**Top Depth(m):**	4.1
Bottom Depth(m):	4.9	**Stratum Desc:**	CLAY,SILT,STONES. BROWN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218423437	**Top Depth(m):**	4.9
Bottom Depth(m):	7.6	**Stratum Desc:**	BEDROCK,SHALE,CLAY, CLAY. RED,VERY SOFT,LAYERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423438	**Top Depth(m):**	7.6
Bottom Depth(m):	8.6	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 00100UNDIFFERENTIATED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
69	1 of 1	NE/190.2	83.2	ON	BORE

Borehole ID:	622388	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596995	**Northing::**	4796863
Location Accuracy::		**Orig. Ground Elev m::**	82.9
Elev. Reliability Note::		**DEM Ground Elev m::**	84.7
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	DEC-1969	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218425389	**Top Depth(m):**	0.0
Bottom Depth(m):	0.6	**Stratum Desc:**	FILL. AGE POST-GLACIAL.
Stratum ID:	218425390	**Top Depth(m):**	0.6
Bottom Depth(m):	1.7	**Stratum Desc:**	SAND,SILT. RED,VERY LOOSE,UNIFORM, AGE GLACIAL.

Stratum ID:	218425391	**Top Depth(m):**	1.7
Bottom Depth(m):	4.7	**Stratum Desc:**	TILL,CLAY,SILT, GRAVEL. GREEN,GLACIAL,COMPACT,UNIFORM,AGE GLACIAL.
Stratum ID:	218425392	**Top Depth(m):**	4.7
Bottom Depth(m):	4.8	**Stratum Desc:**	BEDROCK,SHALE. SOFT,AGE UNDIFFERENTIATED.
Stratum ID:	218425393	**Top Depth(m):**	4.8
Bottom Depth(m):		**Stratum Desc:**	REFUSAL OF ENTRY. 000200020005502200028

70 ***1 of 1*** ***SW/191.1*** ***79.2*** ***ON*** ***BORE***

Borehole ID:	891578	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596651	**Northing::**	4796470
Location Accuracy::		**Orig. Ground Elev m::**	87.6
Elev. Reliability Note::		**DEM Ground Elev m::**	77.9
Total Depth m::	10.7	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	13-MAY-1981	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8505266	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	Silty sand some clay, compact to dense
Stratum ID:	8505267	**Top Depth(m):**	3.0
Bottom Depth(m):	6.1	**Stratum Desc:**	Silty clay some sand, trace of gravel stiff to very stiff with shaly layers, hard

71 ***1 of 1*** ***E/195.5*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	621957	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597095	**Northing::**	4796683
Location Accuracy::		**Orig. Ground Elev m::**	108
Elev. Reliability Note::		**DEM Ground Elev m::**	80.1
Total Depth m::	4.5	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1966	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423482	**Top Depth(m):**	0.0
Bottom Depth(m):	1.0	**Stratum Desc:**	FILL,SILT,SAND, GRAVEL. BROWN,MAN-MADE,COMPACT, GRANULAR.
Stratum ID:	218423483	**Top Depth(m):**	1.0
Bottom Depth(m):	1.5	**Stratum Desc:**	SILT. GREEN,COMPACT,GRANULAR, AGE GLACIAL.

Stratum ID:	218423484	**Top Depth(m):**	1.5
Bottom Depth(m):	2.4	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,STIFF,FISSURED, AGE GLACIAL.
Stratum ID:	218423485	**Top Depth(m):**	2.4
Bottom Depth(m):	4.5	**Stratum Desc:**	BEDROCK,SHALE. RED,SOFT,BEDDED, AGE ORDOVICIAN. 013 015 011 0000001

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72 **1 of 1** **NNE/195.7** **83.7** **ON** **BORE**

Borehole ID:	622390	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596945	**Northing::**	4796913
Location Accuracy::		**Orig. Ground Elev m::**	82.7
Elev. Reliability Note::		**DEM Ground Elev m::**	84.9
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	DEC-1969	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218425401	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218425402	**Top Depth(m):**	0.2
Bottom Depth(m):	2.1	**Stratum Desc:**	SAND-FINE TO MEDIUM.BROWN,COMPACT,UNIFORM, AGE GLACIAL.
Stratum ID:	218425403	**Top Depth(m):**	2.1
Bottom Depth(m):	4.6	**Stratum Desc:**	TILL,CLAY,SILT. GREEN,GLACIAL,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218425404	**Top Depth(m):**	4.6
Bottom Depth(m):	4.6	**Stratum Desc:**	BEDROCK,SHALE. AGE UNDIFFERENTIATED.
Stratum ID:	218425405	**Top Depth(m):**	4.6
Bottom Depth(m):		**Stratum Desc:**	REFUSAL OF ENTRY. 0000601500070007000040SHALE.

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73 **1 of 1** **SW/196.1** **78.7** **ON** **BORE**

Borehole ID:	891580	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596662	**Northing::**	4796457
Location Accuracy::		**Orig. Ground Elev m::**	81
Elev. Reliability Note::		**DEM Ground Elev m::**	77.2
Total Depth m::	9.3	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	14-MAY-1981	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

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

--Details--

Stratum ID:	8505271	***Top Depth(m):***	0.0
Bottom Depth(m):	5.2	***Stratum Desc:***	Silty sand some clay, compact to very dense
Stratum ID:	8505272	***Top Depth(m):***	5.2
Bottom Depth(m):	8.8	***Stratum Desc:***	Silty clay some sand, trace of gravel. Stiff with shaly layers, hard.
Stratum ID:	8505273	***Top Depth(m):***	8.8
Bottom Depth(m):	9.3	***Stratum Desc:***	Bedrock, shale, weathered, hard.

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74 ***1 of 1*** ***SSW/199.7*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	625984	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	596755	***Northing::***	4796428
Location Accuracy::		***Orig. Ground Elev m::***	76
Elev. Reliability Note::		***DEM Ground Elev m::***	80.4
Total Depth m::	-999	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JUL-1954	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218438408	***Top Depth(m):***	0.0
Bottom Depth(m):	2.0	***Stratum Desc:***	SAND.
Stratum ID:	218438409	***Top Depth(m):***	2.0
Bottom Depth(m):	4.3	***Stratum Desc:***	PEAT.
Stratum ID:	218438410	***Top Depth(m):***	4.3
Bottom Depth(m):	6.4	***Stratum Desc:***	CLAY.
Stratum ID:	218438411	***Top Depth(m):***	6.4
Bottom Depth(m):		***Stratum Desc:***	ROCK. T. CL

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75 ***1 of 1*** ***SW/202.7*** ***79.2*** ***ON*** ***BORE***

Borehole ID:	891583	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Hollow stem auger	***UTM Zone::***	17
Easting::	596605	***Northing::***	4796489
Location Accuracy::		***Orig. Ground Elev m::***	81.5
Elev. Reliability Note::		***DEM Ground Elev m::***	79
Total Depth m::	7.3	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	19-MAY-1982	***Static Water Level::***	4
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8505280	***Top Depth(m):***	0.0
Bottom Depth(m):	2.4	***Stratum Desc:***	Fill material. Silty clay (CL) some sand, some gravel, occ. Organics, silty sand. Compact
Stratum ID:	8505281	***Top Depth(m):***	2.4
Bottom Depth(m):	3.4	***Stratum Desc:***	Silty clay to organic silt. Stiff

Stratum ID: 8505282 **Top Depth(m):** 3.4
Bottom Depth(m): 7.3 **Stratum Desc:** Silty clay (CL) occ. Irregular layers of silt to silty sand. Occ. Organics firm to hard.

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76 **1 of 1** **WSW/203.5** **80.2** **ON** **BORE**

Borehole ID: 623794 **Type:** Borehole
Use: **Status::**
Drill Method:: **UTM Zone::** 17
Easting:: 596555 **Northing::** 4796543
Location Accuracy:: **Orig. Ground Elev m::** 78.9
Elev. Reliability Note:: **DEM Ground Elev m::** 80.2
Total Depth m:: 15.9 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: OCT-1961 **Static Water Level::** -999.9
Primary Water Use:: **Sec. Water Use::**

--Details--

Stratum ID: 218431002 **Top Depth(m):** 14.6
Bottom Depth(m): 15.9 **Stratum Desc:** BEDROCK,SHALE. WEATHERED,AGE ORDOVICIAN. 034038060000001000165004

Stratum ID: 218431000 **Top Depth(m):** 0.0
Bottom Depth(m): 5.0 **Stratum Desc:** FILL,SAND(69), SILT(22),GRAVEL. MAN-MADE,LOOSE, AGE POST-GLACIAL.

Stratum ID: 218431001 **Top Depth(m):** 5.0
Bottom Depth(m): 14.6 **Stratum Desc:** SILT(75),CLAY(12), SAND(13). VERY LOOSE,LAYERED, AGE GLACIAL.

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77 **1 of 1** **SW/203.7** **79.1** **ON** **BORE**

Borehole ID: 891582 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::** Decommissioned
Drill Method:: Hollow stem auger **UTM Zone::** 17
Easting:: 596600 **Northing::** 4796492
Location Accuracy:: **Orig. Ground Elev m::** 84.7
Elev. Reliability Note:: **DEM Ground Elev m::** 79.2
Total Depth m:: 10.4 **Primary Name::**
Township:: NELSON **Concession::** BRANTS BLOCK
Lot:: **Municipality:**
Completion Date:: 19-MAY-1982 **Static Water Level::** 7
Primary Water Use:: **Sec. Water Use::**

--Details--

Stratum ID: 8505278 **Top Depth(m):** 5.8
Bottom Depth(m): 7.9 **Stratum Desc:** Silty clay to organic silt. Occ. Sand layers, firm

Stratum ID: 8505279 **Top Depth(m):** 7.9
Bottom Depth(m): 10.4 **Stratum Desc:** Silty Clay (CL) some sand, some gravel Very stiff (Till)

Stratum ID: 8505277 **Top Depth(m):** 0.0
Bottom Depth(m): 5.8 **Stratum Desc:** Fill material, silty clay (CL) some sand, some gravel, stiff. Silty sand. Trace of gravel and clay. Occ. Organics. Loose to compact

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
78	1 of 28	ENE/207.2	80.3	JOSEPH BRANT MEMORIAL HOSPITAL 1230 NORTH SHORE BOULEVARD BURLINGTON ON	CA

Certificate #: 8-3201-98-
Application Year: 98
Issue Date: 5/20/1998
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: RELOCATE FOOD PREPARATION LINE
Contaminants:: Odour/Fumes
Emission Control:: Mist Eliminator,

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
78	2 of 28	ENE/207.2	80.3	Joseph Brant Memorial Hospital 1230 North Shore Boulevard East Burlington ON L7S 1W7	CA

Certificate #: 5391-6VMKAF
Application Year: 2006
Issue Date: 11/21/2006
Approval Type: Air
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
78	3 of 28	ENE/207.2	80.3	Joseph Brant Memorial Hospital 1230 North Shore Boulevard East Burlington ON L7S 1W7	ECA

Approval No: 5391-6VMKAF
Status: Approved
Date: 2006-11-21
Record Type: ECA
Link Source: IDS
Project Type: Air
Approval Type: ECA-Air
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4674-6S5HTJ-14.pdf

SWP Area Name: Halton
MOE District: Halton-Peel
City:
Latitude: 43.318076999999995
Longitude: -79.80317

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
78	4 of 28	ENE/207.2	80.3	1230 Northshore Blvd Burlington ON L7S1C5	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:

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

Order No.: 20110812009
Addit. Info Ordered::
Report Date: 8/22/2011
Report Type: Standard Select Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
78	5 of 28	ENE/207.2	80.3	1230 North Shore Blvd Burlington ON	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20120308020
Addit. Info Ordered::
Report Date: 3/13/2012
Report Type: Custom Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
78	6 of 28	ENE/207.2	80.3	JOSEPH BRANT MEMORIAL HOSPITAL 1230 NORTH SHORE BLVD BURLINGTON ON	EXP

Instance No: 9451514
Instance ID: 382436
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
78	7 of 28	ENE/207.2	80.3	JOSEPH BRANT MEMORIAL HOSPITAL 1230 NORTH SHORE BLVD BURLINGTON ON	EXP

Instance No: 11064707
Instance ID: 67180
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
78	8 of 28	ENE/207.2	80.3	JOSEPH BRANT MEMORIAL HOSPITAL 1230 NORTH SHORE BLVD BURLINGTON ON	EXP

Instance No: 11064694
Instance ID: 66653
Instance Type: FS Liquid Fuel Tank
Description: FS Liquid Fuel Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:

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

Facility Type:
Expired Date:

78	9 of 28	ENE/207.2	80.3	JOSEPH BRANT MEMORIAL HOSPITAL 1230 NORTH SHORE BLVD E BURLINGTON ON L7S 1W7	EXP

Instance No: 11064694
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 2/28/1992

78	10 of 28	ENE/207.2	80.3	JOSEPH BRANT HOSPITAL 1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4	GEN

Generator No.: ON0355000
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

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78 | **11 of 28** | **ENE/207.2** | **80.3** | **JOSEPH BRANT HOSPITAL**
1230 NORTH SHORE BOULEVARD
BURLINGTON ON L7R 4C4 | **GEN**

Generator No.: ON0355000
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 243
Waste Description: PCBS

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78 | ***12 of 28*** | ***ENE/207.2*** | ***80.3*** | ***JOSEPH BRANT HOSPITAL***
1230 NORTH SHORE BOULEVARD
BURLINGTON ON L7R 4C4 | ***GEN***

Generator No.: ON0355000
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 243
Waste Description: PCBS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 261
Waste Description: PHARMACEUTICALS

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78 | **13 of 28** | **ENE/207.2** | **80.3** | **JOSEPH BRANT HOSPITAL**
1230 NORTH SHORE BOULEVARD
BURLINGTON ON L7R 4C4 | **GEN**

Generator No.: ON0355000
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 146 L
Waste Description: Other specified inorganic sludges, slurries or solids

Waste Code: 312 P
Waste Description: Pathological wastes

Waste Code: 251 L
Waste Description: Waste oils/sludges (petroleum based)

Waste Code: 146 T
Waste Description: Other specified inorganic sludges, slurries or solids

Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

Waste Code: 148 I
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 145 H
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 112 C
Waste Description: Acid solutions - containing heavy metals

Waste Code: 212 I
Waste Description: Aliphatic solvents and residues

Waste Code: 212 B
Waste Description: Aliphatic solvents and residues

Waste Code: 212 L
Waste Description: Aliphatic solvents and residues

Waste Code: 148 L

Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 212 H
Waste Description: Aliphatic solvents and residues

Waste Code: 261 A
Waste Description: Pharmaceuticals

Waste Code: 121 C
Waste Description: Alkaline slutions - containing heavy metals

Waste Code: 148 R
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 331 I
Waste Description: Waste compressed gases including cylinders

Waste Code: 211 H
Waste Description: Aromatic solvents and residues

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78 ***14 of 28*** ***ENE/207.2*** ***80.3*** ***JOSEPH BRANT MEMORIAL HOSPITAL 1230 NORTH SHORE BOULEVARD BURLINGTON ON L7R 4C4*** ***GEN***

Generator No.: ON0355000
Status:
Approval Years: 86,87,88,89
Contam. Facility:
MHSW Facility:
SIC Code: 8611
SIC Description: GENERAL HOSPITALS

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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78 ***15 of 28*** ***ENE/207.2*** ***80.3*** ***JOSEPH BRANT MEMORIAL HOSPITAL 1230 NORTH SHORE BOULEVARD BURLINGTON ON*** ***GEN***

Generator No.: ON0355000
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 622111

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

SIC Description: General (except Paediatric) Hospitals

--Details--
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 243
Waste Description: PCBS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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78 ***16 of 28*** ***ENE/207.2*** ***80.3*** ***JOSEPH BRANT HOSPITAL***
1230 NORTH SHORE BOULEVARD
BURLINGTON ON ***GEN***

Generator No.: ON0355000
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 622111
SIC Description: GENERAL (EXCEPT PAEDIATRIC) HOSPITALS

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 243

Waste Description:	PCBS
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
Waste Code:	264
Waste Description:	PHOTOPROCESSING WASTES
Waste Code:	261
Waste Description:	PHARMACEUTICALS
Waste Code:	331
Waste Description:	WASTE COMPRESSED GASES
Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS
Waste Code:	112
Waste Description:	ACID WASTE - HEAVY METALS
Waste Code:	121
Waste Description:	ALKALINE WASTES - HEAVY METALS
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
Waste Code:	241
Waste Description:	HALOGENATED SOLVENTS
Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	312
Waste Description:	PATHOLOGICAL WASTES
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

78 | ***17 of 28*** | ***ENE/207.2*** | ***80.3*** | ***JOSEPH BRANT MEMORIAL HOSPITAL*** ***22-032***
1230 NORTH SHORE BOULEVARD
BURLINGTON ON L7R 4C4 | ***GEN***

Generator No.:	ON0355000	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	94,95,96	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	8611		
SIC Description:	GENERAL HOSPITALS		

--Details--

Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

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78 | **18 of 28** | **ENE/207.2** | **80.3** | **JOSEPH BRANT MEMORIAL HOSPITAL**
1230 NORTH SHORE BOULEVARD
BURLINGTON ON | **GEN**

Generator No.: ON0355000
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 622111
SIC Description: General (except Paediatric) Hospitals

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 243
Waste Description: PCBS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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78 | **19 of 28** | **ENE/207.2** | **80.3** | **JOSEPH BRANT HOSPITAL**
1230 NORTH SHORE BOULEVARD
BURLINGTON ON L7R 4C4 | **GEN**

Generator No.: ON0355000
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 622111
SIC Description: General (except Paediatric) Hospitals

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 243
Waste Description: PCBS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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78 | **20 of 28** | **ENE/207.2** | **80.3** | **JOSEPH BRANT MEMORIAL HOSPITAL**
1230 NORTH SHORE BOULEVARD
BURLINGTON ON L7R 4C4 | **GEN**

Generator No.: ON0355000
Status:
Approval Years: 90,92,93,97,98,99,00,01,02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 8611
SIC Description: GENERAL HOSPITALS

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

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78 | **21 of 28** | **ENE/207.2** | **80.3** | **JOSEPH BRANT MEMORIAL HOSPITAL**
1230 NORTH SHORE BOULEVARD
BURLINGTON ON | **GEN**

Generator No.: ON0355000
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 622111
SIC Description: General (except Paediatric) Hospitals

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

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78 | ***22 of 28*** | ***ENE/207.2*** | ***80.3*** | ***JOSEPH BRANT MEMORIAL HOSPITAL***
1230 NORTH SHORE BLVD.
BURLINGTON ON L7R 4C4 | ***NPCB***

Company Code: F1137
Industry:
Site Status:
Transaction Date: 1/29/1996
Inspection Date:

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 7000.00 KG

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78 | ***23 of 28*** | ***ENE/207.2*** | ***80.3*** | ***J.BRANT MEMORIAL HOSPITAL***
1230 NORTH SHORE BLVD. EAST
BURLINGTON ON L7R 4C4 | ***NPCB***

Company Code: O0332
Industry: School/Care/Facility
Site Status:
Transaction Date: 7/5/1994
Inspection Date: 6/20/1994

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78 | ***24 of 28*** | ***ENE/207.2*** | ***80.3*** | ***JOSEPH BRANT MEMORIAL HOSPITAL***
1230 NORTH SHORE Boulevard
BURLINGTON ON L7R4C4 | ***NPRI***

NPRI ID: 8800001099
Other ID:
No Other ID:
Track ID:
Report ID:
Report Type:
Rpt Type ID:
Report Year: 2004
Org ID:
Submit Date:
Last Modified:
Contact ID:
Cont Type: MED
Contact Title: Mr.
Cont First Name: Ebbe
Cont Last Name: Marquardsen

Not-Current Rpt?:		**Contact Position:**	VP of Development and Community Relations
Yr of Last Filed Rpt:		**Contact Fax:**	
Fac ID:		**Contact Ph.:**	
Fac Name:	JOSEPH BRANT MEMORIAL HOSPITAL	**Cont Area Code:**	905
Fac Address1:		**Contact Tel.:**	6323730
Fac Address2:		**Contact Ext.:**	5543
Fac Postal Zip:		**Cont Fax Area Cde:**	
Facility Lat:		**Contact Fax:**	
Facility Long:		**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	
Facility DLS:		**Longitude:**	
Datum:		**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	1050	**Waste Streams:**	
Parent Co.:		**No Streams:**	
No Parent Co.:		**Waste Off Sites:**	
Pollut Prev Cmnts:		**No Off Sites:**	
Stacks:		**Shutdown:**	
No of Stacks:		**No of Shutdown:**	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	62		
NAICS 2 Description:	Health Care and Social Assistance		
NAICS Code (4 digit):	6221		
NAICS 4 Description:	General Medical and Surgical Hospitals		
NAICS Code (6 digit):	622111		
NAICS 6 Description:	General (except Paediatric) Hospitals		

Substance Release Report

CAS No:	10024-97-2
Report ID:	
Rpt Period:	2004
Subst Released:	Nitrous oxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes

CAS No:	124-38-9
Report ID:	
Rpt Period:	2004
Subst Released:	Carbon dioxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes

CAS No:	7446-09-5
Report ID:	
Rpt Period:	2004
Subst Released:	Sulphur dioxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes

CAS No:	630-08-0
Report ID:	

Rpt Period: 2004
Subst Released: Carbon monoxide
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M09
Report ID:
Rpt Period: 2004
Subst Released: PM10 - Particulate Matter <= 10 Microns
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 74-82-8
Report ID:
Rpt Period: 2004
Subst Released: Methane
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M08
Report ID:
Rpt Period: 2004
Subst Released: PM - Total Particulate Matter
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M10
Report ID:
Rpt Period: 2004
Subst Released: PM2.5 - Particulate Matter <= 2.5 Microns
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M16
Report ID:
Rpt Period: 2004
Subst Released: Volatile Organic Compounds (VOCs)
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 11104-93-1
Report ID:
Rpt Period: 2004
Subst Released: Nitrogen oxides (expressed as NO2)
Air:
Water:
Land:
Total Releases:

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

78	25 of 28	ENE/207.2	80.3	**JOSEPH BRANT MEMORIAL HOSPITAL** **1230 NORTH SHORE BLVD.** **BURLINGTON ON L7R 4C4**	OPCB

Year: 1995
Site Number: 30292A032
Name Owner:
Additional Site Information:

--Details--
Quantity: 1.00
Address Site:
Description: Number of Transformers with High Level PCBs (>1000 ppm)

Quantity: 16.00
Address Site:
Description: Number of Capacitors with High Level PCBs (>1000 ppm)

78	26 of 28	ENE/207.2	80.3	**JOSEPH BRANT MEMORIAL HOSPITAL** **1230 NORTH SHORE BLVD** **BURLINGTON ON L7S 1W7**	PRT

Location ID: 17596
Type: private
Expiry Date:
Capacity (L): 4546.00
Licence #: 0001069756

78	27 of 28	ENE/207.2	80.3	**EllisDon Design Build Inc.** **1230 North Shore Blvd E, Burlington, City, Regional Municipality of Halton CITY OF BURLINGTON** **ON**	PTTW

EBR Registry No.: 012-5425
Ministry Ref. No.: 2346-A35J2J
Year: 2015
Proposal Date: October 15, 2015
Notice Date: March 09, 2016
Notice Type: Instrument Decision
Proponent Address: 1004 Middlegate Road, Mississauga Ontario, Canada L4Y 1M4
Instrument Type: EllisDon Design Build Inc. (OWRA s. 34) - Permit to Take Water
Location: 1230 North Shore Blvd E, Burlington, City, Regional Municipality of Halton CITY OF BURLINGTON
Location Other:

78	28 of 28	ENE/207.2	80.3	**HOSPITAL** **(N.O.S.)** **BURLINGTON CITY ON**	SPL

Ref No: 99688
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 5/10/1994

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 14101
Site Postal Code:
Sector Type:
Source Type:

Health/Env Conseq:		**Receiving Medium:**	LAND
Incident Dt:	5/10/1994	**Receiving Env:**	
Incident Cause:	OTHER CONTAINER LEAK	**Environment Impact:**	POSSIBLE
Incident Event:		**Nature of Impact:**	Soil contamination
Incident Reason:	VANDALISM	**SAC Action Class:**	
Incident Summary:	JOESPH BRANT HOSPITAL: 15-20 L WASTE OIL TO LOT FROM ABONDONED DRUM.		

79 **1 of 1** **WSW/209.0** **79.9** **ON** **BORE**

Borehole ID:	626149	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596555	**Northing::**	4796533
Location Accuracy::		**Orig. Ground Elev m::**	78.9
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	NOV-1961	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218439007	**Top Depth(m):**	0.0
Bottom Depth(m):	5.0	**Stratum Desc:**	FILL.
Stratum ID:	218439008	**Top Depth(m):**	5.0
Bottom Depth(m):	14.6	**Stratum Desc:**	SILT,CLAY,ORGANIC.
Stratum ID:	218439009	**Top Depth(m):**	14.6
Bottom Depth(m):		**Stratum Desc:**	SHALE. WEATHERED. 034033059000001300165004

80 **1 of 2** **SW/210.1** **78.2** **ON** **BORE**

Borehole ID:	623793	**Type:**	Borehole
Use:		**Status::**	
Drill Method::		**UTM Zone::**	17
Easting::	596615	**Northing::**	4796473
Location Accuracy::		**Orig. Ground Elev m::**	77.4
Elev. Reliability Note::		**DEM Ground Elev m::**	77.2
Total Depth m::	6.5	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	OCT-1961	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218430998	**Top Depth(m):**	0.0
Bottom Depth(m):	3.4	**Stratum Desc:**	FILL,CLAY,SAND. MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218430999	**Top Depth(m):**	3.4
Bottom Depth(m):	6.5	**Stratum Desc:**	BEDROCK,SHALE. WEATHERED,AGE ORDOVICIAN. 0000001100090. BEDROCK

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
80	2 of 2	SW/210.1	78.2	ON	BORE

Borehole ID:	626148	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596615	**Northing::**	4796473
Location Accuracy::		**Orig. Ground Elev m::**	77.4
Elev. Reliability Note::		**DEM Ground Elev m::**	77.2
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	NOV-1961	**Static Water Level::**	.2
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218439006	**Top Depth(m):**	3.4
Bottom Depth(m):		**Stratum Desc:**	SHALE. WEATHERED, WATER STABLE AT 253.4 FEET.00000011ALE.
Stratum ID:	218439005	**Top Depth(m):**	0.0
Bottom Depth(m):	3.4	**Stratum Desc:**	FILL,CLAY,SAND.

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
81	1 of 1	SSW/210.8	79.1	ON	BORE

Borehole ID:	890448	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596722	**Northing::**	4796420
Location Accuracy::		**Orig. Ground Elev m::**	76
Elev. Reliability Note::		**DEM Ground Elev m::**	78
Total Depth m::	7.9	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	16-AUG-1954	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501671	**Top Depth(m):**	0.0
Bottom Depth(m):	2.0	**Stratum Desc:**	Fine sand
Stratum ID:	8501672	**Top Depth(m):**	2.0
Bottom Depth(m):	4.1	**Stratum Desc:**	Peat
Stratum ID:	8501673	**Top Depth(m):**	4.1
Bottom Depth(m):	6.4	**Stratum Desc:**	Clay
Stratum ID:	8501674	**Top Depth(m):**	6.4
Bottom Depth(m):	7.9	**Stratum Desc:**	Bedrock limestone

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
82	1 of 1	SSW/211.0	79.8	ON	BORE

Borehole ID:	625983	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596735	**Northing::**	4796418
Location Accuracy::		**Orig. Ground Elev m::**	75.5
Elev. Reliability Note::		**DEM Ground Elev m::**	78.8
Total Depth m::	-999	**Primary Name::**	

Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438402	**Top Depth(m):**	0.0
Bottom Depth(m):	2.1	**Stratum Desc:**	SAND.
Stratum ID:	218438403	**Top Depth(m):**	2.1
Bottom Depth(m):	2.9	**Stratum Desc:**	CLAY.
Stratum ID:	218438404	**Top Depth(m):**	2.9
Bottom Depth(m):	4.4	**Stratum Desc:**	PEAT.
Stratum ID:	218438405	**Top Depth(m):**	4.4
Bottom Depth(m):	5.5	**Stratum Desc:**	SAND.
Stratum ID:	218438406	**Top Depth(m):**	5.5
Bottom Depth(m):	12.8	**Stratum Desc:**	PEAT.
Stratum ID:	218438407	**Top Depth(m):**	12.8
Bottom Depth(m):		**Stratum Desc:**	CLAY.

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83 **1 of 1** **E/215.4** **79.8** **ON** **BORE**

Borehole ID:	621956	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597115	**Northing::**	4796703
Location Accuracy::		**Orig. Ground Elev m::**	108
Elev. Reliability Note::		**DEM Ground Elev m::**	79.8
Total Depth m::	7.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1966	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423475	**Top Depth(m):**	0.3
Bottom Depth(m):	2.1	**Stratum Desc:**	FILL,SILT,CLAY,SAND.MAN-MADE,COMPACT,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423476	**Top Depth(m):**	2.1
Bottom Depth(m):	2.4	**Stratum Desc:**	SILT,SAND. BROWN,COMPACT,GRANULAR, AGE GLACIAL.
Stratum ID:	218423477	**Top Depth(m):**	2.4
Bottom Depth(m):	3.7	**Stratum Desc:**	SILT,SAND. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423478	**Top Depth(m):**	3.7
Bottom Depth(m):	4.6	**Stratum Desc:**	PEAT,SILT. BLACK,SOFT,AGE GLACIAL.
Stratum ID:	218423479	**Top Depth(m):**	4.6
Bottom Depth(m):	5.5	**Stratum Desc:**	SILT,CLAY. BROWN,SOFT,GRANULAR, AGE GLACIAL.
Stratum ID:	218423480	**Top Depth(m):**	5.5
Bottom Depth(m):	5.8	**Stratum Desc:**	SAND,GRAVEL. LOOSE,GRANULAR,AGE GLACIAL.

Stratum ID: 218423481 **Top Depth(m):** 5.8
Bottom Depth(m): 7.6 **Stratum Desc:** CLAY,SHALE,GRAVEL. SOFT,UNIFORM,AGE GLACIAL. 015 019 040 065

Stratum ID: 218423474 **Top Depth(m):** 0.0
Bottom Depth(m): 0.3 **Stratum Desc:** SOIL. MAN-MADE,AGE POST-GLACIAL.

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84 **1 of 1** **SW/215.5** **77.7** **ON** **BORE**

Borehole ID: 890444 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::** Decommissioned
Drill Method:: Diamond Drill **UTM Zone::** 17
Easting:: 596617 **Northing::** 4796464
Location Accuracy:: **Orig. Ground Elev m::** 77.8
Elev. Reliability Note:: **DEM Ground Elev m::** 77.6
Total Depth m:: 8.2 **Primary Name::**
Township:: NELSON **Concession::** BRANTS BLOCK
Lot:: **Municipality:**
Completion Date:: 18-AUG-1954 **Static Water Level::** -999.9
Primary Water Use:: **Sec. Water Use::**

--Details--

Stratum ID: 8501654 **Top Depth(m):** 0.0
Bottom Depth(m): 1.5 **Stratum Desc:** Fine sand

Stratum ID: 8501655 **Top Depth(m):** 1.5
Bottom Depth(m): 4.6 **Stratum Desc:** Clay becoming clay till

Stratum ID: 8501656 **Top Depth(m):** 4.6
Bottom Depth(m): 5.2 **Stratum Desc:** Weathered rock and clay till

Stratum ID: 8501657 **Top Depth(m):** 5.2
Bottom Depth(m): 8.2 **Stratum Desc:** Bedrock (limestone)

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85 **1 of 1** **E/215.6** **79.8** **1230 North Shore Boulevard East Burlington ON** **EHS**

Postal Code:
City: Burlington
Address2:
Address1: 1230 North Shore Boulevard East
Provstate: ON
Order No.: 20150417056
Addit. Info Ordered::
Report Date: 23-APR-15
Report Type: Custom Report
Search Radius (km): .5

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86 **1 of 1** **SSE/216.3** **79.8** **ON** **BORE**

Borehole ID: 890450 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::** Decommissioned
Drill Method:: Diamond Drill **UTM Zone::** 17
Easting:: 596873 **Northing::** 4796425
Location Accuracy:: **Orig. Ground Elev m::** 77
Elev. Reliability Note:: **DEM Ground Elev m::** 80.1

Total Depth m::	5.4	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	06-AUG-1954	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501683	**Top Depth(m):**	0.0
Bottom Depth(m):	4.4	**Stratum Desc:**	Sand
Stratum ID:	8501684	**Top Depth(m):**	4.4
Bottom Depth(m):	5.4	**Stratum Desc:**	Clay

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87 **1 of 1** **WSW/217.9** **82.3** **ON** **BORE**

Borehole ID:	621008	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596515	**Northing::**	4796603
Location Accuracy::		**Orig. Ground Elev m::**	81.4
Elev. Reliability Note::		**DEM Ground Elev m::**	81.4
Total Depth m::	2.7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419419	**Top Depth(m):**	0.0
Bottom Depth(m):	0.5	**Stratum Desc:**	FILL,CLAY. BROWN,MAN-MADE,VERY SOFT, AGE POST-GLACIAL.
Stratum ID:	218419420	**Top Depth(m):**	0.5
Bottom Depth(m):	2.6	**Stratum Desc:**	CLAY,SAND,GRAVEL. BROWN,VERY SOFT,AGE GLACIAL.
Stratum ID:	218419421	**Top Depth(m):**	2.6
Bottom Depth(m):	2.7	**Stratum Desc:**	CLAY,GRAVEL,SAND. RED,VERY DENSE,AGE GLACIAL. 0000001800017017000850 56N

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88 **1 of 1** **SSE/222.2** **79.8** **ON** **BORE**

Borehole ID:	621012	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596895	**Northing::**	4796423
Location Accuracy::		**Orig. Ground Elev m::**	77
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	5.9	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419433	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.

Stratum ID:	218419434	**Top Depth(m):**	0.2
Bottom Depth(m):	2.4	**Stratum Desc:**	SAND,CLAY,SILT. BROWN,COMPACT,AGE GLACIAL.
Stratum ID:	218419435	**Top Depth(m):**	2.4
Bottom Depth(m):	4.4	**Stratum Desc:**	CLAY,SAND,GRAVEL. GREEN,LOOSE,AGE GLACIAL.
Stratum ID:	218419436	**Top Depth(m):**	4.4
Bottom Depth(m):	5.9	**Stratum Desc:**	CLAY,SAND,GRAVEL. RED,VERY DENSE,AGE GLACIAL. 00005011000800050014310400060

89 **1 of 1** **S/224.7** **80.3** **ON** **BORE**

Borehole ID:	890443	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596779	**Northing::**	4796403
Location Accuracy::		**Orig. Ground Elev m::**	75.6
Elev. Reliability Note::		**DEM Ground Elev m::**	80.8
Total Depth m::	17.2	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	19-APR-1956	**Static Water Level::**	.2
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501651	**Top Depth(m):**	0.0
Bottom Depth(m):	3.4	**Stratum Desc:**	Very loose grey brown medium sand
Stratum ID:	8501652	**Top Depth(m):**	3.4
Bottom Depth(m):	7.3	**Stratum Desc:**	Firm brown organic silty clay
Stratum ID:	8501653	**Top Depth(m):**	7.3
Bottom Depth(m):	17.2	**Stratum Desc:**	Brown sand layer, organic matter

90 **1 of 1** **S/227.2** **80.2** **ON** **BORE**

Borehole ID:	890442	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596824	**Northing::**	4796407
Location Accuracy::		**Orig. Ground Elev m::**	75.7
Elev. Reliability Note::		**DEM Ground Elev m::**	81.2
Total Depth m::	20.5	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	16-APR-1956	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8501649	**Top Depth(m):**	0.0
Bottom Depth(m):	2.7	**Stratum Desc:**	Probably very loose grey-brown medium sand
Stratum ID:	8501650	**Top Depth(m):**	2.7
Bottom Depth(m):	20.5	**Stratum Desc:**	probably firm brown-organic silty clay

91 **1 of 1** **SSW/229.9** **75.9** **ON** **BORE**

Borehole ID:	623989	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596655	**Northing::**	4796423
Location Accuracy::		**Orig. Ground Elev m::**	78.1
Elev. Reliability Note::		**DEM Ground Elev m::**	75
Total Depth m::	22.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAY-1968	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218431744	**Top Depth(m):**	0.0
Bottom Depth(m):	2.7	**Stratum Desc:**	FILL,SAND(40), SILT(25),GRAVEL. BROWN,MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218431745	**Top Depth(m):**	2.7
Bottom Depth(m):	5.0	**Stratum Desc:**	SILT,SAND,ORGANIC. BLACK,LOOSE,AGE POST-GLACIAL.
Stratum ID:	218431746	**Top Depth(m):**	5.0
Bottom Depth(m):	7.3	**Stratum Desc:**	SILT,SAND, ORGANIC(20). BLACK,SOFT,AGE POST-GLACIAL.
Stratum ID:	218431747	**Top Depth(m):**	7.3
Bottom Depth(m):	12.5	**Stratum Desc:**	CLAY,SILT, ORGANIC(12). BROWN,SOFT,AGE POST-GLACIAL.
Stratum ID:	218431748	**Top Depth(m):**	12.5
Bottom Depth(m):	16.5	**Stratum Desc:**	CLAY,SILT,ORGANIC. BROWN,VERY SOFT, AGE POST-GLACIAL.
Stratum ID:	218431749	**Top Depth(m):**	16.5
Bottom Depth(m):	19.0	**Stratum Desc:**	TILL,SILT,CLAY, GRAVEL. BROWN,GLACIAL,HARD, AGE GLACIAL.
Stratum ID:	218431750	**Top Depth(m):**	19.0
Bottom Depth(m):	22.1	**Stratum Desc:**	BEDROCK,SHALE. WEATHERED, AGE UNDIFFERENTIATED. 018034030 029043067 019052025

92 **1 of 1** **S/232.1** **79.8** **ON** **BORE**

Borehole ID:	625982	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596865	**Northing::**	4796408
Location Accuracy::		**Orig. Ground Elev m::**	77
Elev. Reliability Note::		**DEM Ground Elev m::**	80.5
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438399	***Top Depth(m):***	0.0
Bottom Depth(m):	4.4	***Stratum Desc:***	SAND.
Stratum ID:	218438400	***Top Depth(m):***	4.4
Bottom Depth(m):	5.4	***Stratum Desc:***	CLAY.
Stratum ID:	218438401	***Top Depth(m):***	5.4
Bottom Depth(m):		***Stratum Desc:***	BEDROCK.

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93 ***1 of 1*** ***S/234.7*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890899	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Hollow stem auger	***UTM Zone::***	17
Easting::	596859	***Northing::***	4796404
Location Accuracy::		***Orig. Ground Elev m::***	78.8
Elev. Reliability Note::		***DEM Ground Elev m::***	80.6
Total Depth m::	11.3	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	17-DEC-1980	***Static Water Level::***	1.5
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8503055	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	topsoil
Stratum ID:	8503056	***Top Depth(m):***	0.2
Bottom Depth(m):	2.7	***Stratum Desc:***	Fill - sandy silt, organics, traces of clay and gravel, compact brown grey
Stratum ID:	8503057	***Top Depth(m):***	2.7
Bottom Depth(m):	7.2	***Stratum Desc:***	Silty sand to sandy silt - fine dense to compact
Stratum ID:	8503058	***Top Depth(m):***	7.2
Bottom Depth(m):	7.5	***Stratum Desc:***	silty clay, trace sand and gravel (till) brown
Stratum ID:	8503059	***Top Depth(m):***	7.5
Bottom Depth(m):	11.3	***Stratum Desc:***	Shale bedrock, weathered red to slightly weathered

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94 ***1 of 1*** ***SSW/236.8*** ***77.1*** ***ON*** ***BORE***

Borehole ID:	890447	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	596709	***Northing::***	4796396
Location Accuracy::		***Orig. Ground Elev m::***	75.5
Elev. Reliability Note::		***DEM Ground Elev m::***	75
Total Depth m::	13.9	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	16-AUG-1954	***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8501665	***Top Depth(m):***	0.0
Bottom Depth(m):	2.1	***Stratum Desc:***	Sand

Stratum ID:	8501666	**Top Depth(m):**	2.1
Bottom Depth(m):	2.9	**Stratum Desc:**	Clay
Stratum ID:	8501667	**Top Depth(m):**	2.9
Bottom Depth(m):	4.4	**Stratum Desc:**	Peat
Stratum ID:	8501668	**Top Depth(m):**	4.4
Bottom Depth(m):	5.5	**Stratum Desc:**	sand
Stratum ID:	8501669	**Top Depth(m):**	5.5
Bottom Depth(m):	12.8	**Stratum Desc:**	Peat
Stratum ID:	8501670	**Top Depth(m):**	12.8
Bottom Depth(m):	13.9	**Stratum Desc:**	Clay

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95 **1 of 1** **WSW/236.9** **79.9** **ON** **BORE**

Borehole ID:	891581	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596540	**Northing::**	4796505
Location Accuracy::		**Orig. Ground Elev m::**	80.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80.1
Total Depth m::	21.3	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	25-AUG-1981	**Static Water Level::**	4.5
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8505274	**Top Depth(m):**	0.0
Bottom Depth(m):	4.0	**Stratum Desc:**	Sandy clay some gravel, some organics firm to stiff (Fill Material) sand, some gravel, trace of organics, loose to dense (Fill Material)
Stratum ID:	8505275	**Top Depth(m):**	4.0
Bottom Depth(m):	17.2	**Stratum Desc:**	Silty clay some sand, trace of gravel, trace of organics firm to stiff, some organics, with shaly layers
Stratum ID:	8505276	**Top Depth(m):**	17.2
Bottom Depth(m):	21.3	**Stratum Desc:**	Bedrock shale, weathered, sound

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96 **1 of 1** **SSE/240.0** **79.8** **ON** **BORE**

Borehole ID:	890901	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596878	**Northing::**	4796402
Location Accuracy::		**Orig. Ground Elev m::**	80.8
Elev. Reliability Note::		**DEM Ground Elev m::**	80.2
Total Depth m::	13	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	23-DEC-1980	**Static Water Level::**	5
Primary Water Use::		**Sec. Water Use::**	

--Details--

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

Stratum ID:	8503065	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	Fill - sand and gravel compact to dense grey
Stratum ID:	8503066	**Top Depth(m):**	3.0
Bottom Depth(m):	3.7	**Stratum Desc:**	Silty clay and sand compact (probable fill) brown
Stratum ID:	8503067	**Top Depth(m):**	3.7
Bottom Depth(m):	7.5	**Stratum Desc:**	Silty sand to sandy silt dense to compact brown (sm, ml)
Stratum ID:	8503068	**Top Depth(m):**	7.5
Bottom Depth(m):	9.1	**Stratum Desc:**	Silty clay trace sand and gravel (till) firm to stiff grey
Stratum ID:	8503069	**Top Depth(m):**	9.1
Bottom Depth(m):	9.5	**Stratum Desc:**	Reddish grey
Stratum ID:	8503070	**Top Depth(m):**	10.7
Bottom Depth(m):	13.0	**Stratum Desc:**	Slightly weathered

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97 **1 of 1** **E/240.2** **79.7** **ON** **BORE**

Borehole ID:	621954	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597135	**Northing::**	4796743
Location Accuracy::		**Orig. Ground Elev m::**	108
Elev. Reliability Note::		**DEM Ground Elev m::**	79.4
Total Depth m::	2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1966	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423462	**Top Depth(m):**	0.0
Bottom Depth(m):	0.6	**Stratum Desc:**	FILL,SILT,SAND. BROWN,MAN-MADE,COMPACT, GRANULAR,AGE POST-GLACIAL.
Stratum ID:	218423463	**Top Depth(m):**	0.6
Bottom Depth(m):	0.9	**Stratum Desc:**	CLAY,SHALE. GREEN,STIFF,BEDDED, AGE GLACIAL.
Stratum ID:	218423464	**Top Depth(m):**	0.9
Bottom Depth(m):	2.0	**Stratum Desc:**	BEDROCK,SHALE. RED,SOFT,BEDDED, AGE ORDOVICIAN. 018 009 0002007300028100T,W

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98 **1 of 1** **S/240.7** **80.9** **ON** **BORE**

Borehole ID:	625981	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596820	**Northing::**	4796393
Location Accuracy::		**Orig. Ground Elev m::**	76.2
Elev. Reliability Note::		**DEM Ground Elev m::**	81.7
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	

Lot::		***Municipality:***	
Completion Date::	JUL-1954	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218438397	***Top Depth(m):***	4.0
Bottom Depth(m):	4.5	***Stratum Desc:***	TILL,CLAY.
Stratum ID:	218438398	***Top Depth(m):***	4.5
Bottom Depth(m):		***Stratum Desc:***	BEDROCK.
Stratum ID:	218438393	***Top Depth(m):***	0.0
Bottom Depth(m):	0.7	***Stratum Desc:***	FILL.
Stratum ID:	218438394	***Top Depth(m):***	0.7
Bottom Depth(m):	1.8	***Stratum Desc:***	SAND.
Stratum ID:	218438395	***Top Depth(m):***	1.8
Bottom Depth(m):	2.4	***Stratum Desc:***	CLAY.
Stratum ID:	218438396	***Top Depth(m):***	2.4
Bottom Depth(m):	4.0	***Stratum Desc:***	SAND.

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99 ***1 of 1*** ***SSE/241.8*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	622131	***Type:***	Borehole
Use:	Water Supply	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596895	***Northing::***	4796403
Location Accuracy::		***Orig. Ground Elev m::***	75.8
Elev. Reliability Note::		***DEM Ground Elev m::***	79.8
Total Depth m::	10.7	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	AUG-1962	***Static Water Level::***	-999.9
Primary Water Use::	Municipal	***Sec. Water Use::***	

--Details--

Stratum ID:	218424535	***Top Depth(m):***	4.3
Bottom Depth(m):	4.6	***Stratum Desc:***	FILL,WOOD. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218424536	***Top Depth(m):***	4.6
Bottom Depth(m):	5.5	***Stratum Desc:***	CLAY. RED,MAN-MADE,SOFT, AGE POST-GLACIAL.
Stratum ID:	218424537	***Top Depth(m):***	5.5
Bottom Depth(m):	7.6	***Stratum Desc:***	FILL,PEAT. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218424538	***Top Depth(m):***	7.6
Bottom Depth(m):	10.7	***Stratum Desc:***	SILT,SAND,GRAVEL. VERY SOFT,AGE GLACIAL. 0000500900040009001400040018000400250067000015
Stratum ID:	218424532	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218424533	***Top Depth(m):***	0.2
Bottom Depth(m):	1.2	***Stratum Desc:***	SILT,SAND-MEDIUM. GREEN,MAN-MADE, AGE POST-GLACIAL.

Stratum ID:	218424534	**Top Depth(m):**	1.2
Bottom Depth(m):	4.3	**Stratum Desc:**	SAND,SILT. GREEN,MAN-MADE,COMPACT, AGE POST-GLACIAL.

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100 **1 of 1** **SW/242.1** **77.6** **ON** **BORE**

Borehole ID:	623858	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596575	**Northing::**	4796463
Location Accuracy::		**Orig. Ground Elev m::**	79.1
Elev. Reliability Note::		**DEM Ground Elev m::**	76.5
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1971	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218431217	**Top Depth(m):**	0.0
Bottom Depth(m):	1.1	**Stratum Desc:**	FILL,SAND,SILT, GRAVEL. BROWN,MAN-MADE,COMPACT,MIXED, AGE POST-GLACIAL.
Stratum ID:	218431218	**Top Depth(m):**	1.1
Bottom Depth(m):	5.3	**Stratum Desc:**	FILL,CLAY,SILT, GRAVEL. BROWN,MAN-MADE,STIFF,MIXED, AGE POST-GLACIAL.
Stratum ID:	218431219	**Top Depth(m):**	5.3
Bottom Depth(m):	5.8	**Stratum Desc:**	SILT,ORGANIC(38). GREEN,ALLUVIAL,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218431220	**Top Depth(m):**	5.8
Bottom Depth(m):	10.2	**Stratum Desc:**	SILT(45),ORGANIC, SAND(45),CLAY. GREEN,ALLUVIAL,FIRM, AGE POST-GLACIAL.
Stratum ID:	218431221	**Top Depth(m):**	10.2
Bottom Depth(m):	10.7	**Stratum Desc:**	TILL,SILT,CLAY. BROWN,GLACIAL,HARD, AGE GLACIAL.
Stratum ID:	218431222	**Top Depth(m):**	10.7
Bottom Depth(m):	11.3	**Stratum Desc:**	BEDROCK,SHALE. WEATHERED,AGE ORDOVICIAN.
Stratum ID:	218431223	**Top Depth(m):**	11.3
Bottom Depth(m):		**Stratum Desc:**	REFUSAL OF ENTRY. 01701902900000015000370090019000900334 15000110

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101 **1 of 1** **WSW/243.1** **79.9** **ON** **BORE**

Borehole ID:	623988	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Jetting	**UTM Zone::**	17
Easting::	596515	**Northing::**	4796533
Location Accuracy::		**Orig. Ground Elev m::**	79.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80.2
Total Depth m::	7.9	**Primary Name::**	

Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1968	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218431740	**Top Depth(m):**	0.0
Bottom Depth(m):	1.5	**Stratum Desc:**	FILL,SAND,SILT,CLAY.GREEN,MAN-MADE,LOOSE,MIXED, AGE POST-GLACIAL.
Stratum ID:	218431741	**Top Depth(m):**	1.5
Bottom Depth(m):	4.4	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,LACUSTRINE,STIFF, AGE GLACIAL.
Stratum ID:	218431742	**Top Depth(m):**	4.4
Bottom Depth(m):	4.9	**Stratum Desc:**	TILL,SILT,CLAY. BROWN,GLACIAL,VERY HARD, AGE GLACIAL.
Stratum ID:	218431743	**Top Depth(m):**	4.9
Bottom Depth(m):	7.9	**Stratum Desc:**	BEDROCK,SHALE. RED,WEATHERED, AGE UNDIFFERENTIATED. 016018031 014 00000008000500120

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102 ***1 of 1*** ***S/247.8*** ***81.0*** ***ON*** ***BORE***

Borehole ID:	625980	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596800	**Northing::**	4796383
Location Accuracy::		**Orig. Ground Elev m::**	75.5
Elev. Reliability Note::		**DEM Ground Elev m::**	81.3
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUL-1954	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438389	**Top Depth(m):**	0.0
Bottom Depth(m):	2.1	**Stratum Desc:**	SAND.
Stratum ID:	218438390	**Top Depth(m):**	2.1
Bottom Depth(m):	10.8	**Stratum Desc:**	PEAT.
Stratum ID:	218438391	**Top Depth(m):**	10.8
Bottom Depth(m):	11.5	**Stratum Desc:**	TILL,CLAY.
Stratum ID:	218438392	**Top Depth(m):**	11.5
Bottom Depth(m):		**Stratum Desc:**	BEDROCK.

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103 ***1 of 1*** ***S/247.9*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	890900	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596869	**Northing::**	4796392
Location Accuracy::		**Orig. Ground Elev m::**	80.8
Elev. Reliability Note::		**DEM Ground Elev m::**	80.5
Total Depth m::	9.8	**Primary Name::**	

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

Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	23-DEC-1980	**Static Water Level::**	5
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503060	**Top Depth(m):**	0.0
Bottom Depth(m):	0.6	**Stratum Desc:**	Fill - sand and gravel
Stratum ID:	8503061	**Top Depth(m):**	0.6
Bottom Depth(m):	3.9	**Stratum Desc:**	Fill - silty sand and gravel, trace of clay, compact grey brown
Stratum ID:	8503062	**Top Depth(m):**	3.9
Bottom Depth(m):	7.3	**Stratum Desc:**	silty sand to sandy silt dense brown (sm, ml)
Stratum ID:	8503063	**Top Depth(m):**	7.3
Bottom Depth(m):	9.5	**Stratum Desc:**	Silty clay - traces of shale, sand and gravel (till) firm to stiff grey
Stratum ID:	8503064	**Top Depth(m):**	9.5
Bottom Depth(m):	9.8	**Stratum Desc:**	Shale bedrock, weathered

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104 **1 of 1** **SW/248.1** **79.4** **ON** **BORE**

Borehole ID:	623859	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596545	**Northing::**	4796483
Location Accuracy::		**Orig. Ground Elev m::**	78.9
Elev. Reliability Note::		**DEM Ground Elev m::**	78.3
Total Depth m::	16.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1971	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218431224	**Top Depth(m):**	0.0
Bottom Depth(m):	0.6	**Stratum Desc:**	FILL,SAND,SILT, GRAVEL. BROWN,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218431225	**Top Depth(m):**	0.6
Bottom Depth(m):	5.5	**Stratum Desc:**	FILL,CLAY,SILT, GRAVEL. BROWN,MAN-MADE,STIFF, AGE GLACIAL.
Stratum ID:	218431226	**Top Depth(m):**	5.5
Bottom Depth(m):	11.9	**Stratum Desc:**	SILT(55),ORGANIC(9),CLAY(20),SAND. BROWN,ALLUVIAL, AGE POST-GLACIAL.
Stratum ID:	218431227	**Top Depth(m):**	11.9
Bottom Depth(m):	12.2	**Stratum Desc:**	TILL,SILT,CLAY. BROWN,GLACIAL,HARD, AGE GLACIAL.
Stratum ID:	218431228	**Top Depth(m):**	12.2
Bottom Depth(m):	13.5	**Stratum Desc:**	BEDROCK,SHALE. RED,SOFT,WEATHERED, AGE ORDOVICIAN.
Stratum ID:	218431229	**Top Depth(m):**	13.5
Bottom Depth(m):	16.1	**Stratum Desc:**	BEDROCK,SHALE. RED,BEDDED,AGE ORDOVICIAN. 016 016016030 056045033 018015027

105 *1 of 1* *SW/250.7* *75.9* *ON* **BORE**

Borehole ID:	623857	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596615	***Northing::***	4796423
Location Accuracy::		***Orig. Ground Elev m::***	76.4
Elev. Reliability Note::		***DEM Ground Elev m::***	75
Total Depth m::	17.5	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JUN-1971	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218431213	***Top Depth(m):***	0.0
Bottom Depth(m):	15.7	***Stratum Desc:***	SILT,ORGANIC,SAND, CLAY. GREEN,AGE GLACIAL.
Stratum ID:	218431214	***Top Depth(m):***	15.7
Bottom Depth(m):	16.5	***Stratum Desc:***	TILL,CLAY. BROWN,GLACIAL,HARD, AGE GLACIAL.
Stratum ID:	218431215	***Top Depth(m):***	16.5
Bottom Depth(m):	17.4	***Stratum Desc:***	BEDROCK,SHALE. WEATHERED,AGE ORDOVICIAN.
Stratum ID:	218431216	***Top Depth(m):***	17.4
Bottom Depth(m):	17.5	***Stratum Desc:***	BEDROCK,SHALE. BEDDED,AGE ORDOVICIAN.

106 *1 of 1* *S/251.6* *81.0* *ON* **BORE**

Borehole ID:	890449	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	596804	***Northing::***	4796379
Location Accuracy::		***Orig. Ground Elev m::***	76.2
Elev. Reliability Note::		***DEM Ground Elev m::***	81.2
Total Depth m::	5.7	***Primary Name::***	
Township::	NELSON	***Concession::***	BRANTS BLOCK
Lot::		***Municipality:***	
Completion Date::	16-AUG-1954	***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	8501675	***Top Depth(m):***	0.0
Bottom Depth(m):	1.7	***Stratum Desc:***	Fine sand
Stratum ID:	8501676	***Top Depth(m):***	1.7
Bottom Depth(m):	10.4	***Stratum Desc:***	Peat
Stratum ID:	8501677	***Top Depth(m):***	10.4
Bottom Depth(m):	8.0	***Stratum Desc:***	Clay till
Stratum ID:	8501678	***Top Depth(m):***	0.0
Bottom Depth(m):	1.8	***Stratum Desc:***	Sand

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

Stratum ID:	8501679	**Top Depth(m):**	1.8
Bottom Depth(m):	2.4	**Stratum Desc:**	Clay
Stratum ID:	8501680	**Top Depth(m):**	2.4
Bottom Depth(m):	4.0	**Stratum Desc:**	Sand
Stratum ID:	8501681	**Top Depth(m):**	4.0
Bottom Depth(m):	4.5	**Stratum Desc:**	Clay till
Stratum ID:	8501682	**Top Depth(m):**	4.5
Bottom Depth(m):	5.7	**Stratum Desc:**	Bedrock (limestone)

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107 | ***1 of 1*** | ***NE/254.0*** | ***83.3*** | ***1249 North Shore Blvd E Burlington ON L7S1C4*** | ***EHS***

Postal Code:	L7S1C4
City:	Burlington
Address2:	
Address1:	1249 North Shore Blvd E
Provstate:	ON
Order No.:	20150501087
Addit. Info Ordered::	
Report Date:	08-MAY-15
Report Type:	Standard Report
Search Radius (km):	.25

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108 | ***1 of 1*** | ***W/254.0*** | ***81.7*** | ***ON*** | ***BORE***

Borehole ID:	621009	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596475	**Northing::**	4796623
Location Accuracy::		**Orig. Ground Elev m::**	82.8
Elev. Reliability Note::		**DEM Ground Elev m::**	80.3
Total Depth m::	4.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419422	**Top Depth(m):**	0.0
Bottom Depth(m):	1.2	**Stratum Desc:**	FILL,SAND,CLAY. MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218419423	**Top Depth(m):**	1.2
Bottom Depth(m):	3.4	**Stratum Desc:**	CLAY,SAND,GRAVEL. BROWN,DENSE,AGE GLACIAL.
Stratum ID:	218419424	**Top Depth(m):**	3.4
Bottom Depth(m):	4.1	**Stratum Desc:**	CLAY,SAND,GRAVEL. RED,DENSE,AGE GLACIAL. 00000018000380280011205017O

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109 | ***1 of 1*** | ***NE/254.5*** | ***83.7*** | ***1249 NORTH SHORE BOULEVARD EAST, BURLINGTON ON*** | ***INC***

Incident No:	1553158
Incident ID:	

Attribute Category:	FS-Perform L1 Incident Insp
Status Code:	
Incident Location:	1249 NORTH SHORE BOULEVARD EAST, BURLINGTON - CO RELEASE
Drainage System:	
Sub Surface Contam.:	
Aff. Prop. Use Water:	
Contam. Migrated:	
Contact Natural Env.:	
Near Body of Water:	
Approx. Quant. Rel.:	
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:	CO Release
Fuel Type Involved:	Natural Gas
Date of Occurence:	2015/01/10 00:00:00
Time of Occurence:	NULL
Occur Insp Start Date:	2015/01/12 00:00:00
Any Health Impact:	No
Any Environmental Impact:	No
Was Service Interrupted:	Yes
Was Property Damaged:	No
Operation Type Involved:	Multi-unit Residential
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	5318234
Notes:	
Occurence Narrative:	NULL
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

110 **1 of 1** **WSW/255.5** **78.9** **ON** **BORE**

Borehole ID:	890932	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596522	**Northing::**	4796497
Location Accuracy::		**Orig. Ground Elev m::**	80.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80.1

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

Total Depth m::	21.3	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	24-AUG-1981	**Static Water Level::**	4.5
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503183	**Top Depth(m):**	0.0
Bottom Depth(m):	4.0	**Stratum Desc:**	Sandy clay some gravel, some organics firm to stiff (fill material) sand, some gravel, trace of organics, loose to dense (fill material)
Stratum ID:	8503184	**Top Depth(m):**	4.0
Bottom Depth(m):	17.2	**Stratum Desc:**	silty clay some sand, trace of gravel, trace of organics firm to stiff, some organics, with organics, with shaly layers
Stratum ID:	8503185	**Top Depth(m):**	17.2
Bottom Depth(m):	21.3	**Stratum Desc:**	Bedrock shale, weathered sound

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111 **1 of 1** **ENE/259.1** **79.8** **ON** **BORE**

Borehole ID:	621940	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597135	**Northing::**	4796803
Location Accuracy::		**Orig. Ground Elev m::**	82.4
Elev. Reliability Note::		**DEM Ground Elev m::**	80.5
Total Depth m::	6.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423373	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423374	**Top Depth(m):**	0.2
Bottom Depth(m):	0.5	**Stratum Desc:**	FILL,SAND. MAN-MADE,LOOSE,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423375	**Top Depth(m):**	0.5
Bottom Depth(m):	0.8	**Stratum Desc:**	CONCRETE. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423376	**Top Depth(m):**	0.8
Bottom Depth(m):	2.4	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423377	**Top Depth(m):**	2.4
Bottom Depth(m):	2.9	**Stratum Desc:**	SAND,CLAY. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423378	**Top Depth(m):**	2.9
Bottom Depth(m):	4.5	**Stratum Desc:**	CLAY,SILT,GRAVEL. SOFT,UNIFORM,AGE GLACIAL.
Stratum ID:	218423379	**Top Depth(m):**	4.5
Bottom Depth(m):	6.1	**Stratum Desc:**	BEDROCK,SHALE. RED,HARD,WEATHERED, AGE UNDIFFERENTIATED. 00147060030

112 **1 of 1** **ENE/259.4** **80.6** **ON** **BORE**

Borehole ID:	621945	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597125	**Northing::**	4796823
Location Accuracy::		**Orig. Ground Elev m::**	82.8
Elev. Reliability Note::		**DEM Ground Elev m::**	80.8
Total Depth m::	6.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423409	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423410	**Top Depth(m):**	0.1
Bottom Depth(m):	0.6	**Stratum Desc:**	FILL,SAND,GRAVEL. MAN-MADE,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423411	**Top Depth(m):**	0.6
Bottom Depth(m):	2.6	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423412	**Top Depth(m):**	2.6
Bottom Depth(m):	3.2	**Stratum Desc:**	SAND,CLAY. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423413	**Top Depth(m):**	3.2
Bottom Depth(m):	5.1	**Stratum Desc:**	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423414	**Top Depth(m):**	5.1
Bottom Depth(m):	6.4	**Stratum Desc:**	BEDROCK,SHALE. RED,HARD,WEATHERED, AGE UNDIFFERENTIATED. 00167086F

113 **1 of 1** **ENE/261.9** **79.3** **ON** **BORE**

Borehole ID:	621942	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597155	**Northing::**	4796753
Location Accuracy::		**Orig. Ground Elev m::**	77.3
Elev. Reliability Note::		**DEM Ground Elev m::**	78.7
Total Depth m::	8.3	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423393	**Top Depth(m):**	7.3
Bottom Depth(m):	8.3	**Stratum Desc:**	BEDROCK,SHALE. RED,HARD,WEATHERED, AGE UNDIFFERENTIATED.

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

00200050002300850024012O

Stratum ID:	218423387	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	GRAVEL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423388	**Top Depth(m):**	0.2
Bottom Depth(m):	1.2	**Stratum Desc:**	FILL,SAND. MAN-MADE,COMPACT,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423389	**Top Depth(m):**	1.2
Bottom Depth(m):	5.5	**Stratum Desc:**	SILT,SAND,CLAY. BLACK,VERY SOFT,GRANULAR, AGE GLACIAL.
Stratum ID:	218423390	**Top Depth(m):**	5.5
Bottom Depth(m):	6.1	**Stratum Desc:**	GRAVEL,SAND. GRANULAR,AGE GLACIAL.
Stratum ID:	218423391	**Top Depth(m):**	6.1
Bottom Depth(m):	7.0	**Stratum Desc:**	CLAY,SHALE,GRAVEL. GREEN,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423392	**Top Depth(m):**	7.0
Bottom Depth(m):	7.3	**Stratum Desc:**	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.

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114 **1 of 2** **W/263.1** **80.9** **ON** **BORE**

Borehole ID:	626150	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596465	**Northing::**	4796633
Location Accuracy::		**Orig. Ground Elev m::**	77.1
Elev. Reliability Note::		**DEM Ground Elev m::**	80
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	NOV-1961	**Static Water Level::**	.1
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218439010	**Top Depth(m):**	0.0
Bottom Depth(m):	0.5	**Stratum Desc:**	SAND.
Stratum ID:	218439011	**Top Depth(m):**	0.5
Bottom Depth(m):	1.7	**Stratum Desc:**	SILT,CLAY. WATER STABLE AT 252.6 FEET.
Stratum ID:	218439012	**Top Depth(m):**	1.7
Bottom Depth(m):	4.5	**Stratum Desc:**	SILT,ORGANIC.
Stratum ID:	218439013	**Top Depth(m):**	4.5
Bottom Depth(m):	6.1	**Stratum Desc:**	SAND,SILT,ORGANIC.
Stratum ID:	218439014	**Top Depth(m):**	6.1
Bottom Depth(m):	7.8	**Stratum Desc:**	SILT,ORGANIC.
Stratum ID:	218439015	**Top Depth(m):**	7.8
Bottom Depth(m):		**Stratum Desc:**	SHALE. 00015004000560040014600400200004

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
114	2 of 2	W/263.1	80.9	ON	BORE

Borehole ID:	623795	**Type:**	Borehole
Use:		**Status::**	
Drill Method::		**UTM Zone::**	17
Easting::	596465	**Northing::**	4796633
Location Accuracy::		**Orig. Ground Elev m::**	77.1
Elev. Reliability Note::		**DEM Ground Elev m::**	80
Total Depth m::	8.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	OCT-1961	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218431003	**Top Depth(m):**	0.0
Bottom Depth(m):	0.5	**Stratum Desc:**	SAND. AGE GLACIAL.
Stratum ID:	218431004	**Top Depth(m):**	0.5
Bottom Depth(m):	1.7	**Stratum Desc:**	SILT,CLAY. VERY LOOSE,AGE GLACIAL.
Stratum ID:	218431005	**Top Depth(m):**	1.7
Bottom Depth(m):	4.5	**Stratum Desc:**	SILT,ORGANIC. LOOSE,AGE GLACIAL.
Stratum ID:	218431006	**Top Depth(m):**	4.5
Bottom Depth(m):	6.1	**Stratum Desc:**	SAND,SILT. LOOSE,LAYERED,AGE GLACIAL.
Stratum ID:	218431007	**Top Depth(m):**	6.1
Bottom Depth(m):	7.8	**Stratum Desc:**	SILT,ORGANIC. LOOSE,AGE GLACIAL.
Stratum ID:	218431008	**Top Depth(m):**	7.8
Bottom Depth(m):	8.1	**Stratum Desc:**	BEDROCK,SHALE. WEATHERED,AGE ORDOVICIAN. 000150040005600400146005002000040005 0

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
115	1 of 1	SSE/263.5	79.8	ON	BORE

Borehole ID:	890903	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596901	**Northing::**	4796382
Location Accuracy::		**Orig. Ground Elev m::**	76.1
Elev. Reliability Note::		**DEM Ground Elev m::**	79.8
Total Depth m::	5.1	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	18-DEC-1980	**Static Water Level::**	2
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503075	**Top Depth(m):**	0.0
Bottom Depth(m):	0.8	**Stratum Desc:**	Topsoil
Stratum ID:	8503076	**Top Depth(m):**	0.8
Bottom Depth(m):	4.3	**Stratum Desc:**	Silty sand to sandy silt, dense to compact brown (sm, ml)
Stratum ID:	8503077	**Top Depth(m):**	4.3
Bottom Depth(m):	5.1	**Stratum Desc:**	silty clay, trace to some gravel (till) firm, grey, weathered shale

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

116 | **1 of 1** | **NE/264.4** | **81.9** | **Joseph Brant Memorial Hospital<UNOFFICIAL>**
1270 North Shore Bvld
Burlington ON | **SPL**

Ref No:	1060-7TK72R	**Site Address:**	
Contaminant Name:	FUEL (N.O.S.)	**Site Conc:**	
Contaminant Code:		**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	Burlington
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:	0 other - see incident description	**Sector Type:**	Motor Vehicle
MOE Reported Dt:	7/1/2009	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	
Incident Dt:		**Receiving Env:**	
Incident Cause:	Discharge Or Bypass To A Watercourse	**Environment Impact:**	Confirmed
Incident Event:		**Nature of Impact:**	Surface Water Pollution
Incident Reason:	Unknown - Reason not determined	**SAC Action Class:**	Watercourse Spills
Incident Summary:	Joseph Brant MH: fuel to cb. clning. Burlington		

117 | **1 of 1** | **S/265.1** | **79.4** | **ON** | **BORE**

Borehole ID:	623792	**Type:**	Borehole
Use:		**Status::**	
Drill Method::		**UTM Zone::**	17
Easting::	596775	**Northing::**	4796363
Location Accuracy::		**Orig. Ground Elev m::**	76.8
Elev. Reliability Note::		**DEM Ground Elev m::**	77.1
Total Depth m::	22.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	OCT-1961	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218430997	**Top Depth(m):**	20.9
Bottom Depth(m):	22.6	**Stratum Desc:**	BEDROCK,SHALE. WEATHERED,AGE ORDOVICIAN. 00000016001000030068724000060O
Stratum ID:	218430995	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	FILL,SAND,SILT, GRAVEL. MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218430996	**Top Depth(m):**	3.0
Bottom Depth(m):	20.9	**Stratum Desc:**	SILT(55),SAND(45), ORGANIC. VERY LOOSE,AGE GLACIAL.

118 | **1 of 1** | **S/266.9** | **80.5** | **ON** | **BORE**

Borehole ID:	626147	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596795	**Northing::**	4796363
Location Accuracy::		**Orig. Ground Elev m::**	76.8
Elev. Reliability Note::		**DEM Ground Elev m::**	79.5
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	

Lot::		**Municipality:**	
Completion Date::	NOV-1961	**Static Water Level::**	.2
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218439002	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	FILL,SAND,SILT, GRAVEL.
Stratum ID:	218439003	**Top Depth(m):**	3.0
Bottom Depth(m):	20.9	**Stratum Desc:**	SILT,SAND,ORGANIC. WATER STABLE AT 251.3 FEET.
Stratum ID:	218439004	**Top Depth(m):**	20.9
Bottom Depth(m):		**Stratum Desc:**	SHALE. WEATHERED. 0000001600100003

119 ***1 of 1*** ***SE/267.4*** ***77.8*** ***Burlington ON*** ***WWIS***

Well ID:	7201424	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	5/9/2013
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	0	**Abandonment Rec:**	
Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	7
Audit No:	Z168296	**Owner:**	
Tag:		**Street Name:**	LAKESHORE RD
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004290870	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	4
Code OB Desc:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	77.140518	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	4/25/2013
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004803142
Layer:	1

Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0.00
Formation End Depth:	20.00
Formation End Depth UOM:	ft
Formation ID:	1004803143
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	20.00
Formation End Depth:	35.00
Formation End Depth UOM:	ft
Formation ID:	1004803144
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	35.00
Formation End Depth:	45.00
Formation End Depth UOM:	ft
Formation ID:	1004803145
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	45.00
Formation End Depth:	45.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1004803150
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	1004803141
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004803148
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.00
Depth To:	45.00
Casing Diameter:	10.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004803149
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1004803147
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004803146
Diameter:	10.00
Depth From:	0.00
Depth To:	45.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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120 ***1 of 1*** ***ENE/268.2*** ***80.3*** ***ON*** ***BORE***

Borehole ID:	621941	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	597135	***Northing::***	4796823
Location Accuracy::		***Orig. Ground Elev m::***	82.4
Elev. Reliability Note::		***DEM Ground Elev m::***	80.6
Total Depth m::	6.5	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	MAR-1967	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218423380	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	SOIL.
Stratum ID:	218423381	***Top Depth(m):***	0.1
Bottom Depth(m):	0.4	***Stratum Desc:***	SAND-MEDIUM. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423382	***Top Depth(m):***	0.4
Bottom Depth(m):	2.3	***Stratum Desc:***	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423383	***Top Depth(m):***	2.3
Bottom Depth(m):	2.7	***Stratum Desc:***	SAND-MEDIUM. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423384	***Top Depth(m):***	2.7
Bottom Depth(m):	4.6	***Stratum Desc:***	CLAY,SILT. VERY SOFT,UNIFORM,AGE GLACIAL.
Stratum ID:	218423385	***Top Depth(m):***	4.6
Bottom Depth(m):	4.9	***Stratum Desc:***	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423386	***Top Depth(m):***	4.9
Bottom Depth(m):	6.5	***Stratum Desc:***	BEDROCK,SHALE. RED,HARD,WEATHERED, AGE UNDIFFERENTIATED. 0015002500160040

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121 ***1 of 1*** ***E/269.7*** ***78.1*** ***ON*** ***BORE***

Borehole ID:	621955	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	597165	***Northing::***	4796743
Location Accuracy::		***Orig. Ground Elev m::***	107
Elev. Reliability Note::		***DEM Ground Elev m::***	78.1
Total Depth m::	-999	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JUL-1966	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218423465	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423466	***Top Depth(m):***	0.1
Bottom Depth(m):	0.6	***Stratum Desc:***	FILL,SILT,SAND. MAN-MADE,LOOSE,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423467	***Top Depth(m):***	0.6
Bottom Depth(m):	1.5	***Stratum Desc:***	FILL,SAND,GRAVEL. MAN-MADE,LOOSE,RUBBLY, AGE POST-GLACIAL.
Stratum ID:	218423468	***Top Depth(m):***	1.5
Bottom Depth(m):	3.0	***Stratum Desc:***	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.

Stratum ID:	218423469	**Top Depth(m):**	3.0
Bottom Depth(m):	3.7	**Stratum Desc:**	SAND-MEDIUM,SILT, CLAY. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423470	**Top Depth(m):**	3.7
Bottom Depth(m):	4.4	**Stratum Desc:**	PEAT,SILT. BLACK,SOFT,AGE GLACIAL.
Stratum ID:	218423471	**Top Depth(m):**	4.4
Bottom Depth(m):	5.9	**Stratum Desc:**	GRAVEL,SAND. LOOSE,GRANULAR,AGE GLACIAL.
Stratum ID:	218423472	**Top Depth(m):**	5.9
Bottom Depth(m):	6.2	**Stratum Desc:**	GRAVEL,SAND. DENSE,GRANULAR,AGE GLACIAL.
Stratum ID:	218423473	**Top Depth(m):**	6.2
Bottom Depth(m):		**Stratum Desc:**	BEDROCK,SHALE. BEDDED,AGE ORDOVICIAN. 024 023 055 004

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122 **1 of 1** **SSE/271.6** **79.8** **ON** **BORE**

Borehole ID:	890902	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596893	**Northing::**	4796372
Location Accuracy::		**Orig. Ground Elev m::**	76.7
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	9.4	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	19-DEC-1980	**Static Water Level::**	2
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503071	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Topsoil
Stratum ID:	8503072	**Top Depth(m):**	0.1
Bottom Depth(m):	5.1	**Stratum Desc:**	Silty sand to sandy silt dense to compact brown (sm, ml)
Stratum ID:	8503073	**Top Depth(m):**	5.1
Bottom Depth(m):	5.9	**Stratum Desc:**	Silty clay - traces of sand and gravel (till) firm to stiff grey
Stratum ID:	8503074	**Top Depth(m):**	5.9
Bottom Depth(m):	9.4	**Stratum Desc:**	weathered, slightly weathered red

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123 **1 of 1** **ENE/277.4** **79.8** **ON** **BORE**

Borehole ID:	621943	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597155	**Northing::**	4796803
Location Accuracy::		**Orig. Ground Elev m::**	81.8
Elev. Reliability Note::		**DEM Ground Elev m::**	80
Total Depth m::	5.7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	

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

Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423394	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423395	**Top Depth(m):**	0.1
Bottom Depth(m):	0.5	**Stratum Desc:**	FILL,SAND. MAN-MADE,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423396	**Top Depth(m):**	0.5
Bottom Depth(m):	0.7	**Stratum Desc:**	CONCRETE. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423397	**Top Depth(m):**	0.7
Bottom Depth(m):	2.3	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423398	**Top Depth(m):**	2.3
Bottom Depth(m):	2.6	**Stratum Desc:**	SAND,CLAY. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423399	**Top Depth(m):**	2.6
Bottom Depth(m):	4.0	**Stratum Desc:**	CLAY,SILT. GREEN,VERY SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423400	**Top Depth(m):**	4.0
Bottom Depth(m):	4.4	**Stratum Desc:**	CLAY. FIRM,UNIFORM,AGE GLACIAL.
Stratum ID:	218423401	**Top Depth(m):**	4.4
Bottom Depth(m):	5.7	**Stratum Desc:**	BEDROCK,SHALE. RED,HARD,WEATHERED, AGE UNDIFFERENTIATED. 001300130014505020

124	1 of 1	SSE/278.2	79.8	ON	BORE

Borehole ID:	890904	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	17
Easting::	596910	**Northing::**	4796369
Location Accuracy::		**Orig. Ground Elev m::**	76
Elev. Reliability Note::		**DEM Ground Elev m::**	79.7
Total Depth m::	8.3	**Primary Name::**	
Township::	NELSON	**Concession::**	BRANTS BLOCK
Lot::		**Municipality:**	
Completion Date::	16-DEC-1980	**Static Water Level::**	1.8
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	8503078	**Top Depth(m):**	0.0
Bottom Depth(m):	4.7	**Stratum Desc:**	Silty sand to sandy silt - fine, trace of clay. Loose to compact brown to grey (sm, ml)
Stratum ID:	8503079	**Top Depth(m):**	4.7
Bottom Depth(m):	5.2	**Stratum Desc:**	Silty clay - traces of shale, sand and gravel stiff (till) grey
Stratum ID:	8503080	**Top Depth(m):**	5.2
Bottom Depth(m):	8.3	**Stratum Desc:**	weathered to slightly weathered, shale bedrock

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

125 **1 of 1** **ENE/285.8** **79.6** **ON** **BORE**

Borehole ID:	621944	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597155	**Northing::**	4796823
Location Accuracy::		**Orig. Ground Elev m::**	82.1
Elev. Reliability Note::		**DEM Ground Elev m::**	80.2
Total Depth m::	5.8	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423402	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218423403	**Top Depth(m):**	0.2
Bottom Depth(m):	0.8	**Stratum Desc:**	FILL,SAND,GRAVEL. MAN-MADE,COMPACT,GRANULAR, AGE POST-GLACIAL.
Stratum ID:	218423404	**Top Depth(m):**	0.8
Bottom Depth(m):	2.0	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423405	**Top Depth(m):**	2.0
Bottom Depth(m):	2.3	**Stratum Desc:**	SAND,CLAY. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423406	**Top Depth(m):**	2.3
Bottom Depth(m):	4.3	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218423407	**Top Depth(m):**	4.3
Bottom Depth(m):	5.0	**Stratum Desc:**	BEDROCK,SHALE,CLAY. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED.
Stratum ID:	218423408	**Top Depth(m):**	5.0
Bottom Depth(m):	5.8	**Stratum Desc:**	BEDROCK,SHALE. RED,VERY SOFT,WEATHERED, AGE UNDIFFERENTIATED. 0014005000165020

126 **1 of 1** **WSW/289.4** **76.9** **ON** **BORE**

Borehole ID:	623860	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596485	**Northing::**	4796493
Location Accuracy::		**Orig. Ground Elev m::**	75.7
Elev. Reliability Note::		**DEM Ground Elev m::**	77.5
Total Depth m::	4.3	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1971	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218431230	**Top Depth(m):**	0.0
Bottom Depth(m):	3.7	**Stratum Desc:**	SILT,CLAY,ORGANIC. BROWN,AGE POST-GLACIAL.
Stratum ID:	218431231	**Top Depth(m):**	3.7
Bottom Depth(m):	4.3	**Stratum Desc:**	TILL,CLAY. BROWN,GLACIAL,HARD, AGE GLACIAL. WN,MAN-MADE

127 **1 of 1** **SE/290.2** **76.8** **Burlington ON** **WWIS**

Well ID:	7201426	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	5/9/2013
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	0	**Abandonment Rec:**	
Water Type:		**Contractor:**	5459
Casing Material:		**Form Version:**	7
Audit No:	Z168295	**Owner:**	
Tag:		**Street Name:**	LAKESHORE RD
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004290885	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	4
Code OB Desc:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	76.842323	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	4/25/2013
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004803164
Layer:	1
Color:	7
General Color:	RED
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	66
Other Materials:	DENSE

Formation Top Depth: 0.00
Formation End Depth: 20.00
Formation End Depth UOM: ft

Formation ID: 1004803165
Layer: 2
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2: 10
Other Materials: COARSE SAND
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 20.00
Formation End Depth: 35.00
Formation End Depth UOM: ft

Formation ID: 1004803166
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3: 73
Other Materials: HARD
Formation Top Depth: 35.00
Formation End Depth: 43.00
Formation End Depth UOM: ft

Formation ID: 1004803167
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3: 73
Other Materials: HARD
Formation Top Depth: 43.00
Formation End Depth: 43.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004803172
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 1004803163
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1004803170
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.00
Depth To:	43.00
Casing Diameter:	10.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004803171
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1004803169
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004803168
Diameter:	10.00
Depth From:	0.00
Depth To:	43.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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128 | ***1 of 1*** | ***ENE/291.2*** | ***78.1*** | ***BURLINGTON ON*** | ***WWIS***

Well ID:	7267370	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	7/20/2016
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	6607
Casing Material:		**Form Version:**	7
Audit No:	Z200023	**Owner:**	
Tag:	A175323	**Street Name:**	1230 NORTHSHORE BLVD.
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	

Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	1006159664	***Spatial Status:***	
DP2BR:		***Cluster Kind:***	
Code OB:		***UTMRC:***	4
Code OB Desc:		***UTMRC Desc:***	margin of error : 30 m - 100 m
Open Hole:		***Location Method:***	wwr
Elevation:	77.967895	***Org CS:***	UTM83
Elevrc:		***Date Completed:***	3/13/2015
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006172306
Layer:	1
Color:	
General Color:	
Mat1:	27
Most Common Material:	OTHER
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	0.60
Formation End Depth UOM:	m

Formation ID:	1006172307
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	0.60
Formation End Depth:	2.70
Formation End Depth UOM:	m

Formation ID:	1006172308
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	04
Most Common Material:	PEAT
Mat2:	
Other Materials:	
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	2.70
Formation End Depth:	3.60
Formation End Depth UOM:	m

Formation ID:	1006172309
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	3.60
Formation End Depth:	5.10
Formation End Depth UOM:	m

Formation ID:	1006172310
Layer:	5
Color:	7
General Color:	RED
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	15
Other Materials:	LIMESTONE
Formation Top Depth:	5.10
Formation End Depth:	7.50
Formation End Depth UOM:	m

Formation ID:	1006172311
Layer:	6
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	7.50
Formation End Depth:	7.50
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006172319
Layer:	1
Plug From:	0.00
Plug To:	0.30
Plug Depth UOM:	m

Plug ID:	1006172320
Layer:	2
Plug From:	0.30
Plug To:	5.40
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006172318
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	1006172305
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006172314
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	6.00
Casing Diameter:	5.10
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006172315
Layer:	1
Slot:	.10
Screen Top Depth:	6.00
Screen End Depth:	7.50
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.40

Water Details

Water ID:	1006172313
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	2.10
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006172312
Diameter:	21.00
Depth From:	0.00
Depth To:	7.50
Hole Depth UOM:	m
Hole Diameter UOM:	cm

129 ***1 of 1*** ***SSW/291.9*** ***74.8*** ***ON*** ***BORE***

Borehole ID:	622145	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	596695	***Northing::***	4796343
Location Accuracy::		***Orig. Ground Elev m::***	76.8
Elev. Reliability Note::		***DEM Ground Elev m::***	78.5
Total Depth m::	22.3	***Primary Name::***	
Township::		***Concession::***	

Lot::		**Municipality:**	
Completion Date::	AUG-1961	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218424592	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	FILL,GRAVEL,SAND FINE. BROWN,MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218424593	**Top Depth(m):**	3.0
Bottom Depth(m):	4.1	**Stratum Desc:**	SILT,CLAY,ORGANIC. GREEN,VERY LOOSE,AGE GLACIAL.
Stratum ID:	218424594	**Top Depth(m):**	4.1
Bottom Depth(m):	5.3	**Stratum Desc:**	CLAY,ORGANIC. GREEN,AGE GLACIAL.
Stratum ID:	218424595	**Top Depth(m):**	5.3
Bottom Depth(m):	21.0	**Stratum Desc:**	SILT,ORGANIC,SHALE. GREEN,VERY LOOSE,AGE GLACIAL.
Stratum ID:	218424596	**Top Depth(m):**	21.0
Bottom Depth(m):	22.3	**Stratum Desc:**	CLAY,SHALE. RED,HARD,AGE GLACIAL. 012 017020031 06501602500000012001000030017 5

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130 ***1 of 1*** ***W/292.6*** ***79.8*** ***ON*** ***BORE***

Borehole ID:	622159	**Type:**	Borehole
Use:		**Status::**	
Drill Method::		**UTM Zone::**	17
Easting::	596435	**Northing::**	4796643
Location Accuracy::		**Orig. Ground Elev m::**	78.3
Elev. Reliability Note::		**DEM Ground Elev m::**	78.8
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1961	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218424649	**Top Depth(m):**	0.0
Bottom Depth(m):	0.6	**Stratum Desc:**	CLAY,CLAY,SAND, GRAVEL. BROWN,AGE GLACIAL.
Stratum ID:	218424650	**Top Depth(m):**	0.6
Bottom Depth(m):	4.0	**Stratum Desc:**	CLAY,SAND,GRAVEL. RED,AGE GLACIAL.
Stratum ID:	218424651	**Top Depth(m):**	4.0
Bottom Depth(m):	4.7	**Stratum Desc:**	CLAY,SHALE. RED,VERY HARD,AGE GLACIAL.
Stratum ID:	218424652	**Top Depth(m):**	4.7
Bottom Depth(m):		**Stratum Desc:**	REFUSAL OF ENTRY. 00005S

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131 ***1 of 1*** ***NW/294.2*** ***84.8*** ***ON*** ***BORE***

Borehole ID:	621962	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17

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

Easting::	596575	**Northing::**	4796923
Location Accuracy::		**Orig. Ground Elev m::**	85.5
Elev. Reliability Note::		**DEM Ground Elev m::**	85.2
Total Depth m::	5.8	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423499	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL.
Stratum ID:	218423500	**Top Depth(m):**	0.2
Bottom Depth(m):	0.9	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LACUSTRINE,GRANULAR, AGE GLACIAL.
Stratum ID:	218423501	**Top Depth(m):**	0.9
Bottom Depth(m):	5.8	**Stratum Desc:**	TILL,SILT. BROWN,GLACIAL,VERY DENSE, UNIFORM,AGE GLACIAL. 010 00030061

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132 **1 of 1** **WSW/296.4** **78.1** **ON** **BORE**

Borehole ID:	622147	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	596435	**Northing::**	4796603
Location Accuracy::		**Orig. Ground Elev m::**	78.9
Elev. Reliability Note::		**DEM Ground Elev m::**	77.9
Total Depth m::	15.9	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1961	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218424603	**Top Depth(m):**	0.0
Bottom Depth(m):	5.0	**Stratum Desc:**	FILL,SILT,SAND MEDIUM,CLAY. BROWN,MAN-MADE,FIRM, AGE POST-GLACIAL.
Stratum ID:	218424604	**Top Depth(m):**	5.0
Bottom Depth(m):	5.6	**Stratum Desc:**	CLAY,SILT. BROWN,SOFT,AGE GLACIAL.
Stratum ID:	218424605	**Top Depth(m):**	5.6
Bottom Depth(m):	5.9	**Stratum Desc:**	ORGANIC. SOFT,AGE GLACIAL.
Stratum ID:	218424606	**Top Depth(m):**	5.9
Bottom Depth(m):	14.4	**Stratum Desc:**	SILT,CLAY,ORGANIC. BROWN,SOFT,AGE GLACIAL.
Stratum ID:	218424607	**Top Depth(m):**	14.4
Bottom Depth(m):	15.9	**Stratum Desc:**	CLAY,SHALE. RED,VERY HARD,AGE GLACIAL. 015 047065000000160016500400195004004742

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133 **1 of 1** **SW/297.4** **77.2** **ON** **BORE**

Borehole ID:	622146	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	596515	**Northing::**	4796443
Location Accuracy::		**Orig. Ground Elev m::**	77.3
Elev. Reliability Note::		**DEM Ground Elev m::**	77.4
Total Depth m::	6.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1961	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218424597	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218424598	**Top Depth(m):**	0.2
Bottom Depth(m):	0.6	**Stratum Desc:**	FILL,SAND. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218424599	**Top Depth(m):**	0.6
Bottom Depth(m):	2.0	**Stratum Desc:**	FILL,SAND-MEDIUM, SILT,CLAY. BROWN,MAN-MADE,FIRM, AGE POST-GLACIAL.
Stratum ID:	218424600	**Top Depth(m):**	2.0
Bottom Depth(m):	3.4	**Stratum Desc:**	FILL,CLAY,SILT,SANDMEDIUM. MAN-MADE,FIRM, AGE POST-GLACIAL.
Stratum ID:	218424601	**Top Depth(m):**	3.4
Bottom Depth(m):	4.1	**Stratum Desc:**	CLAY,SILT,SAND. BROWN,HARD,AGE GLACIAL.
Stratum ID:	218424602	**Top Depth(m):**	4.1
Bottom Depth(m):	6.4	**Stratum Desc:**	CLAY,GRAVEL,SILT. AGE GLACIAL. 018 023 00021011000660120011136O

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134 ***1 of 1*** ***NE/299.8*** ***81.9*** ***ON*** ***BORE***

Borehole ID:	622135	**Type:**	Borehole
Use:	Water Supply	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	597115	**Northing::**	4796903
Location Accuracy::		**Orig. Ground Elev m::**	83
Elev. Reliability Note::		**DEM Ground Elev m::**	81.7
Total Depth m::	5.9	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1962	**Static Water Level::**	-999.9
Primary Water Use::	Municipal	**Sec. Water Use::**	

--Details--

Stratum ID:	218424552	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218424553	**Top Depth(m):**	0.3
Bottom Depth(m):	1.2	**Stratum Desc:**	SILT,SAND-FINE TO MEDIUM. BROWN,COMPACT,AGE GLACIAL.
Stratum ID:	218424554	**Top Depth(m):**	1.2
Bottom Depth(m):	5.0	**Stratum Desc:**	SILT,CLAY,SAND. GREEN,COMPACT,AGE

GLACIAL.

Stratum ID: 218424555
Bottom Depth(m): 5.9
Top Depth(m): 5.0
Stratum Desc: BEDROCK,SHALE. RED,VERY DENSE, AGE UNDIFFERENTIATED.
00010010000400200000 0

Unplottable Summary

Total: 24 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	The Regional Municipality of Halton	Regina Dr	Burlington ON	
CA	BURLINGTON CITY	LAKESHORE RD.	BURLINGTON CITY ON	
CA	BURLINGTON CITY	LAKESHORE RD.	BURLINGTON CITY ON	
CA	R.M. OF HALTON	LAKESHORE RD.	BURLINGTON CITY ON	
CA		Lakeshore Road	Burlington ON	
CA	The Regional Municipality of Halton	Lakeshore Road	Burlington ON	
CA	ROSART PROPERTIES INC.	MAPLE AVE.	BURLINGTON ON	
CA	BURLINGTON CITY BELLVIEW ST.	MAPLE AVE.	BURLINGTON CITY ON	
CA	CASADOR CONSTRUCTION LTD.	MAPLE AVE./MAPLE EST. SUBD.	BURLINGTON CITY ON	
CA	R.M. OF HALTON	S. OF Q.E.W. EASTBOUND	BURLINGTON CITY ON	
CA	ROSART PROPERTIES INC.	ROSART RESTAURANT MAPLE AVE.	BURLINGTON CITY ON	
CA	GREEN BROOK CORPORATION IN TRUST	NORTH SHORE BLVD. E. (SWM)	BURLINGTON CITY ON	
ECA	The Regional Municipality of Halton	Lakeshore Road	Burlington ON	L6M 3L1
ECA	The Regional Municipality of Halton	Lakeshore Road	Burlington ON	L6M 3L1
ECA	The Regional Municipality of Halton	Regina Dr	Burlington ON	L6M 3L1
ECA	The Regional Municipality of Halton	Lakeshore Road	Burlington ON	L6M 3L1
GEN	MINISTRY OF TRANSPORTATION	MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS	GTA/NIAGARA /DURHAM AREA ON	

GEN	MINISTRY OF TRANSPORTATION		MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS	GTA/NIAGARA /DURHAM AREA ON	MULTIPL
GEN	MINISTRY OF TRANSPORTATION		MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS	GTA/NIAGARA /DURHAM AREA ON	MULTIPL
GEN	MINISTRY OF TRANSPORTATION		MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS	GTA/NIAGARA /DURHAM AREA ON	MULTIPL
GEN	MINISTRY OF TRANSPORTATION		MTO BURLINGTON OFFICE (SEE SCHEDULE "B")	BURLINGTON ON	
GEN	MINISTRY OF TRANSPORTATION		DISTRICT #4/HAMILTON,BURLINGTON C/O P.O. BOX 5020	BURLINGTON ON	L7R 3Z9
GEN	MINISTRY OF TRANSPORTATION	27-107	MTO BURLINGTON OFFICE (SEE SCHEDULE "B")	BURLINGTON ON	
NPCB	MINISTRY OF TRANSPORT & COMMUNICATIONS		DISTRICT #4 CENTRAL REGION; BOX 5020	BURLINGTON ON	L7R 3Z9

Unplottable Report

Site: ***The Regional Municipality of Halton***
Regina Dr Burlington ON

Database: ***CA***

Certificate #: 1245-6ZHHF8
Application Year: 2007
Issue Date: 4/3/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BURLINGTON CITY***
LAKESHORE RD. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-0826-89-
Application Year: 89
Issue Date: 5/16/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BURLINGTON CITY***
LAKESHORE RD. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-0463-87-
Application Year: 87
Issue Date: 4/15/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HALTON***
LAKESHORE RD. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-0215-87-

Application Year: 87
Issue Date: 3/24/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***Database:***
Lakeshore Road Burlington ON ***CA***

Certificate #: 3366-56PGG2
Application Year: 02
Issue Date: 1/28/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: The Corporation of the Regional Municipality of Halton
Client Address:: 1151 Bronte Road
Client City:: Oakville
Client Postal Code:: L6M 3L1
Project Description:: This application is for approval to install watermain on Lakeshore Road
Contaminants::
Emission Control::

Site: ***The Regional Municipality of Halton*** ***Database:***
Lakeshore Road Burlington ON ***CA***

Certificate #: 2034-64ZPCP
Application Year: 2004
Issue Date: 9/22/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***ROSART PROPERTIES INC.*** ***Database:***
MAPLE AVE. BURLINGTON ON ***CA***

Certificate #: 7-0655-85-006
Application Year: 85
Issue Date: 8/6/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BURLINGTON CITY BELLVIEW ST.***
MAPLE AVE. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-0408-89-
Application Year: 89
Issue Date: 3/22/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***CASADOR CONSTRUCTION LTD.***
MAPLE AVE./MAPLE EST. SUBD. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-0464-93-
Application Year: 93
Issue Date: 6/25/1993
Approval Type: Municipal water
Status: Revised
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HALTON***
S. OF Q.E.W. EASTBOUND BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-0564-86-
Application Year: 86
Issue Date: 6/6/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***ROSART PROPERTIES INC.***
ROSART RESTAURANT MAPLE AVE. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1453-87-
Application Year: 87
Issue Date: 9/23/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::

Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***GREEN BROOK CORPORATION IN TRUST***
NORTH SHORE BLVD. E. (SWM) BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-0343-97-
Application Year: 97
Issue Date: 5/1/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***The Regional Municipality of Halton***
Lakeshore Road Burlington ON L6M 3L1

Database: ***ECA***

Approval No: 2782-64ZPQU
Status: Approved
Date: 2004-09-22
Record Type: ECA
Link Source: IDS
Project Type: Municipal Drinking Water Systems
Approval Type: ECA-Municipal Drinking Water Systems
Full Address:
Full PDF Link:
SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

Site: ***The Regional Municipality of Halton***
Lakeshore Road Burlington ON L6M 3L1

Database: ***ECA***

Approval No: 3366-56PGG2
Status: Approved
Date: 2002-01-28
Record Type: ECA
Link Source: IDS
Project Type: Municipal and Private Water Works
Approval Type: ECA-Municipal and Private Water Works
Full Address:
Full PDF Link:
SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

Site: ***The Regional Municipality of Halton***
Regina Dr Burlington ON L6M 3L1

Database: ***ECA***

Approval No: 1245-6ZHHF8
Status: Approved
Date: 2007-04-03
Record Type: ECA
Link Source: IDS
Project Type: Municipal and Private Sewage Works
Approval Type: ECA-Municipal and Private Sewage Works
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3586-6ZFRMC-14.pdf
SWP Area Name:
MOE District:
City:
Latitude:
Longitude:

Site: ***The Regional Municipality of Halton***
Lakeshore Road Burlington ON L6M 3L1

Database: ***ECA***

Approval No:	2034-64ZPCP	***SWP Area Name:***	
Status:	Approved	***MOE District:***	
Date:	2004-09-22	***City:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Longitude:***	
Project Type:	Municipal and Private Sewage Works		
Approval Type:	ECA-Municipal and Private Sewage Works		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1364-64WUSN-14.pdf		

Site: ***MINISTRY OF TRANSPORTATION***
MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS GTA/NIAGARA /DURHAM AREA ON

Database: ***GEN***

Generator No.:	ON0124208	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	2013	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	912910		
SIC Description:	OTHER PROVINCIAL AND TERRITORIAL PUBLIC ADMINISTRATION		

--Details--

Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	331
Waste Description:	WASTE COMPRESSED GASES
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
Waste Code:	262
Waste Description:	DETERGENTS/SOAPS
Waste Code:	241
Waste Description:	HALOGENATED SOLVENTS
Waste Code:	122
Waste Description:	ALKALINE WASTES - OTHER METALS
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	222
Waste Description:	HEAVY FUELS
Waste Code:	232
Waste Description:	POLYMERIC RESINS
Waste Code:	243
Waste Description:	PCBS
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 133
Waste Description: BRINES, CHLOR-ALKALI WASTES

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Site: ***MINISTRY OF TRANSPORTATION***
MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS GTA/NIAGARA /DURHAM AREA ON MULTIPL

Database: ***GEN***

Generator No.: ON0124208
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 912910
SIC Description: Other Provincial and Territorial Public Administration

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 243
Waste Description: PCBS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 133
Waste Description: BRINES, CHLOR-ALKALI WASTES

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Site: ***MINISTRY OF TRANSPORTATION***
MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS GTA/NIAGARA /DURHAM AREA ON MULTIPL

Database: ***GEN***

Generator No.: ON0124208
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 912910
SIC Description: Other Provincial and Territorial Public Administration

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 243
Waste Description: PCBS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 133
Waste Description: BRINES, CHLOR-ALKALI WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: ***MINISTRY OF TRANSPORTATION***
MTO CENTRAL REGION MULTIPLE GENERATING LOCATIONS GTA/NIAGARA /DURHAM AREA ON MULTIPL

Database: ***GEN***

Generator No.: ON0124208
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 912910
SIC Description: Other Provincial and Territorial Public Administration

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 133
Waste Description: BRINES, CHLOR-ALKALI WASTES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Site: ***MINISTRY OF TRANSPORTATION***
MTO BURLINGTON OFFICE (SEE SCHEDULE "B") BURLINGTON ON

Database: ***GEN***

Generator No.: ON0124220
Status:
Approval Years: 92,93,97,98,99
Contam. Facility:
MHSW Facility:
SIC Code: 8271
SIC Description: TRANS./COMM. ADMIN.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 133
Waste Description: BRINES, CHLOR-ALKALI WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Site: ***MINISTRY OF TRANSPORTATION***
DISTRICT #4/HAMILTON,BURLINGTON C/O P.O. BOX 5020 BURLINGTON ON L7R 3Z9

Database: ***GEN***

Generator No.: ON0124220
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 8271
SIC Description: TRANS./COMM. ADMIN.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 132
Waste Description: NEUTRALIZED WASTES - OTHER METALS

Waste Code: 133
Waste Description: BRINES, CHLOR-ALKALI WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Site: ***MINISTRY OF TRANSPORTATION 27-107***
MTO BURLINGTON OFFICE (SEE SCHEDULE "B") BURLINGTON ON

Database: ***GEN***

Generator No.: ON0124220
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 8271
SIC Description: TRANS./COMM. ADMIN.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 133
Waste Description: BRINES, CHLOR-ALKALI WASTES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Site: ***MINISTRY OF TRANSPORT & COMMUNICATIONS***
DISTRICT #4 CENTRAL REGION; BOX 5020 BURLINGTON ON L7R 3Z9

Database: ***NPCB***

Company Code: O0269
Industry: Government (not Fed)
Site Status:
Transaction Date: 10/31/1990
Inspection Date: 10/30/1990

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents: 168.25 L

Label:
Serial No.:
PCB Type/Code: Askarel

Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents: 191.00 L

Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents: 237.00 L

Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents: 1364.00 L

Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents: 1492.00 L

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 2017

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-May 2017

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-May 2017

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-Nov 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-Oct 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-Oct 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-Oct 2017

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-Oct 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-Sep 2017

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-Jun 2017

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 -Jun 2017

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-May 2017

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-Sep 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 2017

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-Oct 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-Aug 2017

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-Oct 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: 1986-2016

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-Nov 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-May 2017

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-Jun 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-Aug 2017

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: Oct 31, 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: Mar 31, 2017

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

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

February 6, 2018

Grace Thompson
Pinchin Environmental Ltd.
6-875 Main St W, Suite 200
Hamilton, ON L8S 4R9

Dear Grace Thompson:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2018-00623, Your Reference 212394

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1157, 1159, 1161, 1163, 1167, 1169 & 1170 North Shore Blvd., E, Burlington.

After a thorough search through the files of the Ministry's Halton-Peel District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment.**

To conduct a search through the files of the Environmental Assessment and Permissions Branch requires an additional 8 hours. If you would like us to search for Environmental Compliance Approvals/Certificates of Approval at the Environmental Assessment and Permissions Branch (EAPB), please forward to me at the above address payment by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card in the amount of $240.00. Please note that there is no guarantee any records will be located responsive to your request. Credit card forms are available on the Ministry's website http://www.ontario.ca/environment-and-energy/freedom-information-request-form. Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the search conducted at the Environmental Assessment and Permissions Branch, the time for answering your request will be extended for an additional 30 days.

When remitting payment please quote our file number or attach a copy of this letter.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.bogdan@ontario.ca.

Yours truly,

Janet Dadufalza
FOI Manager

APPENDIX H

TSSA Search Results

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Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

Tel: (416) 734-3449
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Email: publicinformationservices@tssa.org

28 May 2018
File No: FS 66281

Grace Thompson
PINCHIN LTD.
Suite 200, 6-875 Main Street West
HAMILTON ON L8S 4P9

Dear Madam:

RE: 1157 North Shore Boulevard East, Burlington, Ontario – Your Project No: 212394

This is with reference to your request and fee of $50.00 + HST, for information on the above location.

After a search of our files, TSSA has no record of any outstanding instructions, incident reports, fuel oil spills, or contamination records respecting the above-mentioned property.

We have no record of retail facilities or underground storage tanks licensed or registered at the above address.

TSSA cannot guarantee having information on sites that have not been licensed since 1987.

It should be noted that the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990 or furnace oil tanks prior to May 1, 2002. Also note that the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences etc. or ABOVEGROUND gas or diesel tanks.

Yours truly,

Yalini Kanagendran

Yalini Kanagendran
Public Information Agent

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

www.tssa.org

Tel: (416) 734-3449
Fax: (416) 231-6183
Email: publicinformationservices@tssa.org

28 May 2018
File No: FS 66281

Grace Thompson
PINCHIN LTD.
Suite 200, 6-875 Main Street West
HAMILTON ON L8S 4P9

Dear Madam:

RE: 1171 North Shore Boulevard East, Burlington, Ontario – Your Project No: 212394

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Yours truly,

Yalini Kanagendran

Yalini Kanagendran
Public Information Agent

APPENDIX I

Aerial Photographs

Aerial Photograph – 1951

Aerial Photograph - 1976

Aerial Photograph – 1990

Aerial Photograph – 2004

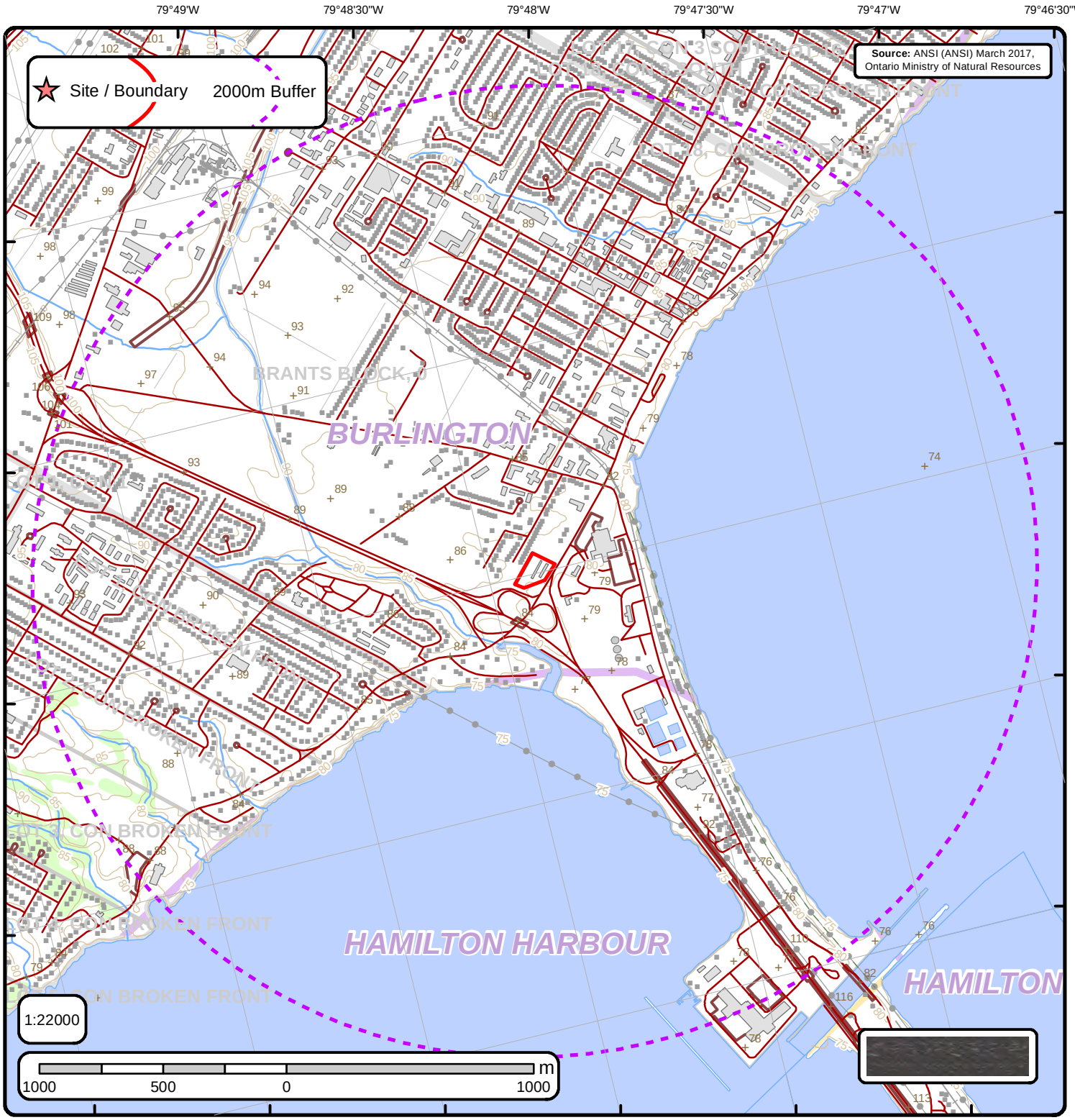
Aerial Photograph – 2009

Aerial Photograph – 2013

Aerial Photograph – 2016

APPENDIX J

Maps



Area of Natural & Scientific Interest (ANSI) Order No. 20180116104

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

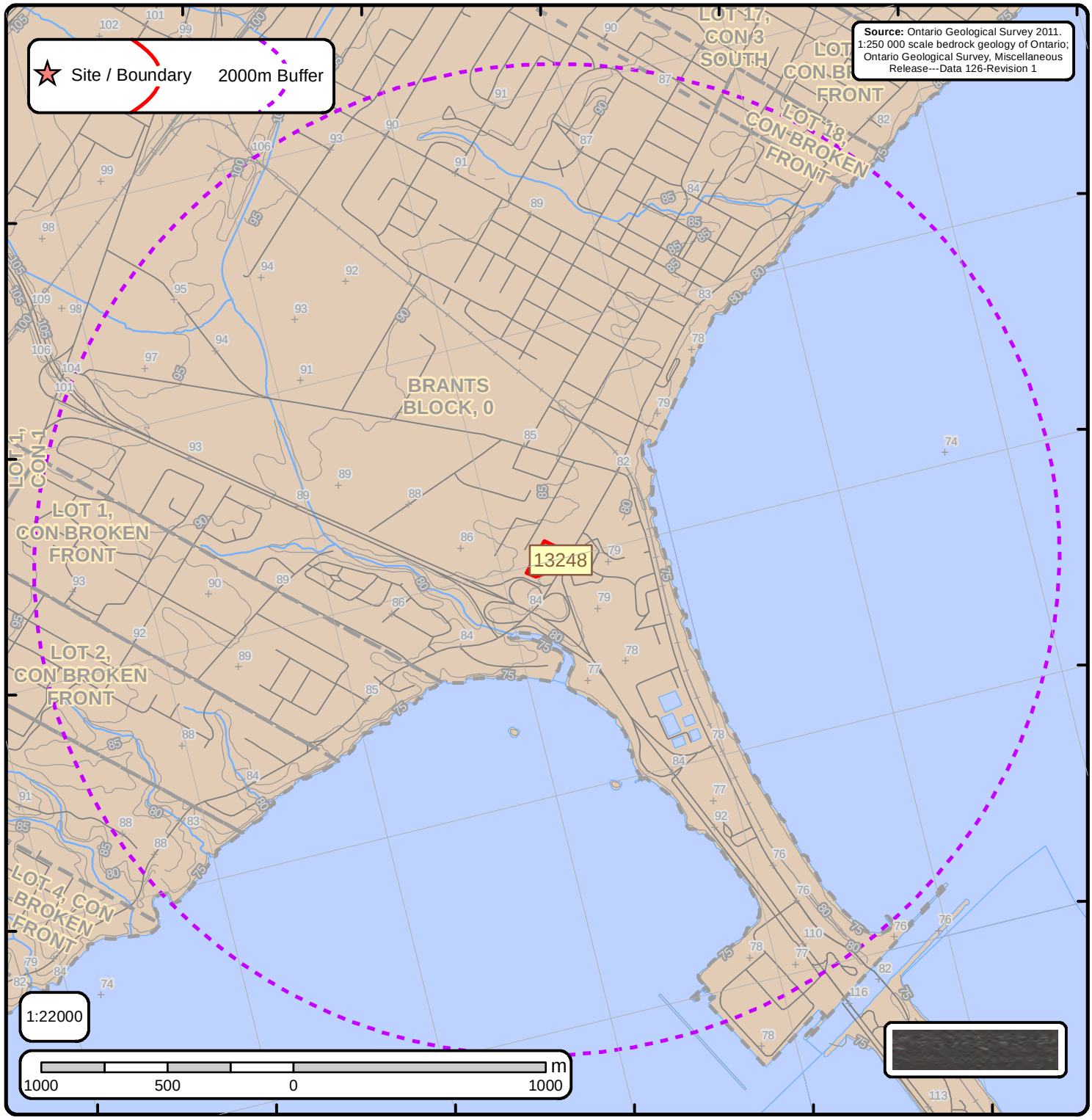
ANSI Report

ANSI Units Found within 2000 m of

100 Main Street, Toronto, ON

Order ID:
1234567891

No ANSI units found within search area.



Bedrock Geology of Ontario

Order No. 20180116104

Spot Height
Roads
Contour Lines
Streams
Railroads
Lots
Pit or Quarry
Airports
Waterbody
Wetlands

Bedrock Geology Lines

- CONTACT, GEOPHYSICAL, TREND, INTERPRETED
- CONTACT, SHARP, TREND, INTERPRETED
- CONTACT, SHARP, TREND, OBSERVED
- FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- NEATLINE
- ONTARIO BORDER
- Marble, chert, iron formation, minor metavolcanic rocks

Dikes

- Abitibi mafic dike
- Biscotasing mafic dike
- Empey Lake mafic dike
- Felsic to intermediate intrusive rocks
- Fort Frances mafic dike
- Frontenac mafic dike
- Grenville mafic dike
- Logan and Nipigon mafic sills
- Mackenzie mafic dike
- Mafic dikes of uncertain age
- Mafic sills and dikes
- Marathon mafic dike
- Marathon, Kapuskasing or Biscotasing mafic dike
- Matachewan mafic dike
- Mine Centre mafic dike
- Molson mafic dike
- North Channel mafic dike
- Pickle Crow mafic dike (Molson swarm) normal
- Pickle Crow mafic dike (Molson swarm) reverse
- Rideau mafic dike
- Sudbury mafic dike
- Ultramafic, gabbroic and granophyric intrusions
- Unsubdivided mafic dike
- Unsubdivided mafic dike (Keweenawan age)
- unknown

C Lines

- FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION
- FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION

Kimberlite

[redacted]

Bedrock Geology Report

Bedrock Geology units found within 2000 m of

1157 North Shore Blvd E, Burlington, ON, L7S1C3

Order ID: 20180116104

ID: 13248 | **Unit Name:** |

Type (All): 55a | **Type (Primary):** 55a | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Strata (Primary):** Queenston Formation | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**

Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126 Revision1

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

```
Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)
```

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

```
PRECAMBRIAN (0.542 Ga to <3.85 Ga)
```

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

```
ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)
```

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

```
MESOARCHEAN (2.8 Ga to 3.2 Ga)                MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)         EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)                 NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)           PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)   MESOZOIC (65.5 Ma to 251.0 Ma)
```

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

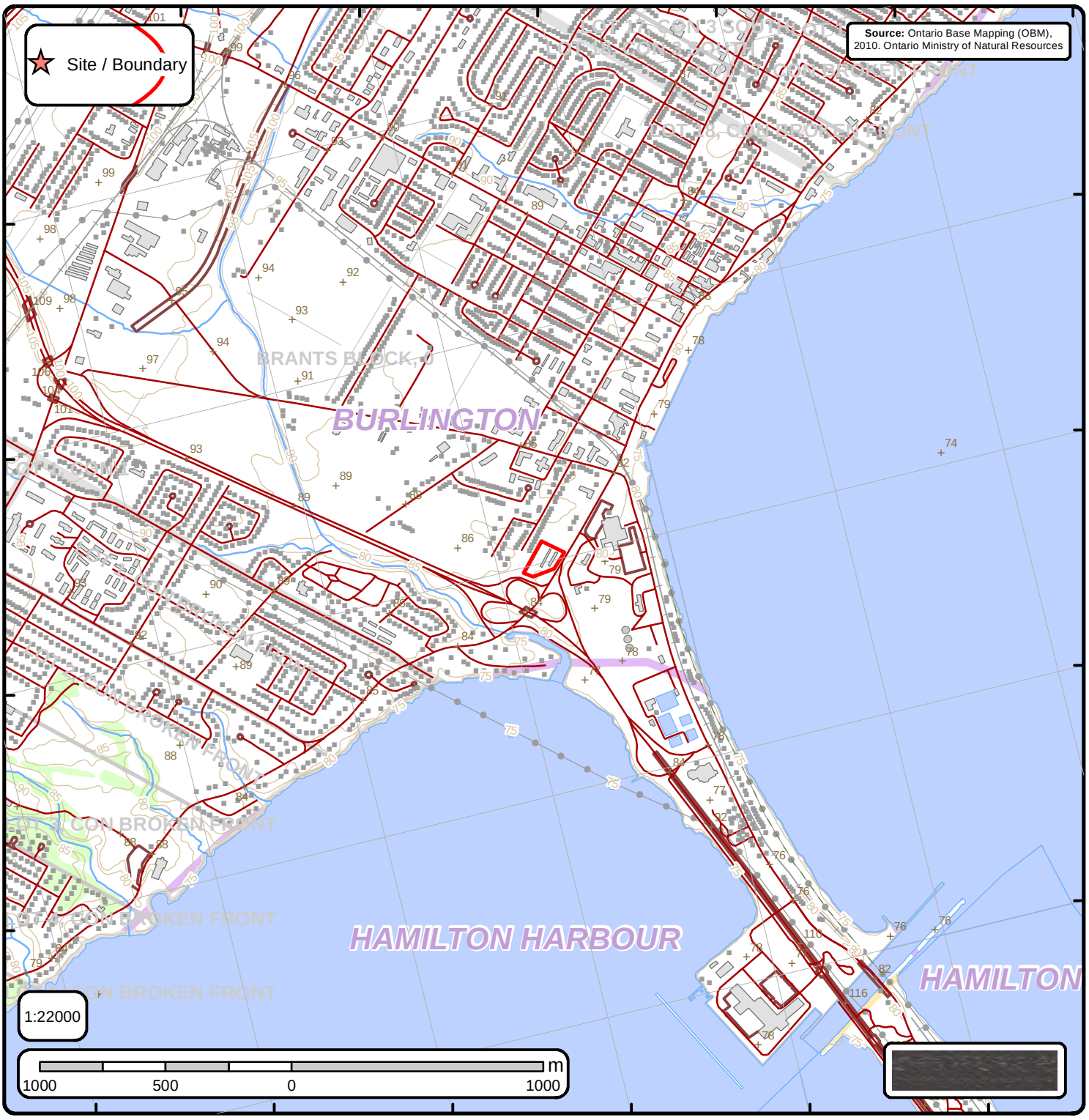
```
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)
```

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

```
LOWER ORDOVICIAN                    UPPER SILURIAN
MIDDLE ORDOVICIAN                   LOWER DEVONIAN
UPPER ORDOVICIAN                    MIDDLE DEVONIAN
MIDDLE AND LOWER SILURIAN           UPPER DEVONIAN
UPPER SILURIAN TO LOWER DEVONIAN    LOWER CRETACEOUS AND MIDDLE JURASSIC
```

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

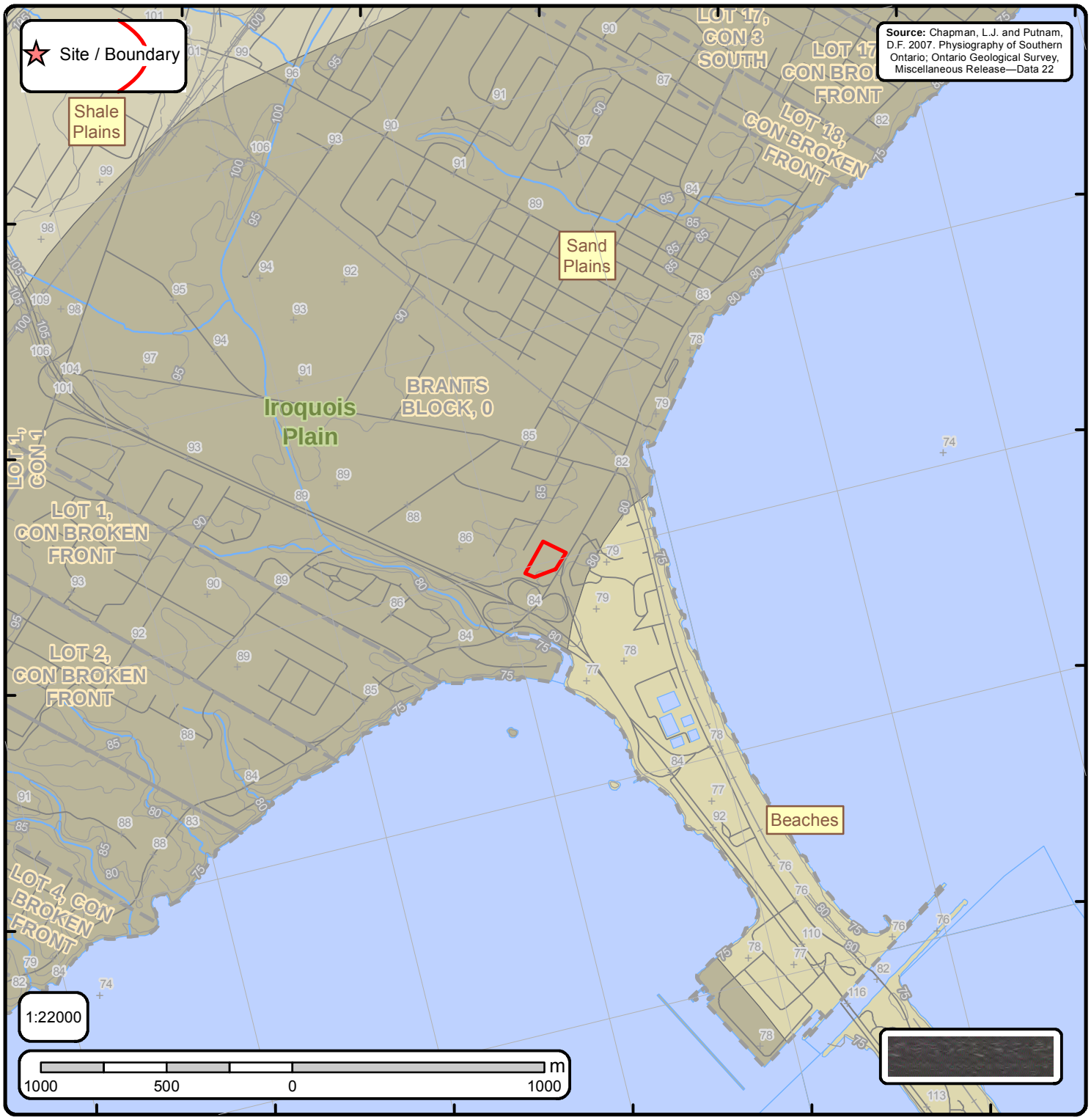
```
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE
```



Ontario Base Mapping (OBM) Data

Order No. 20180116104

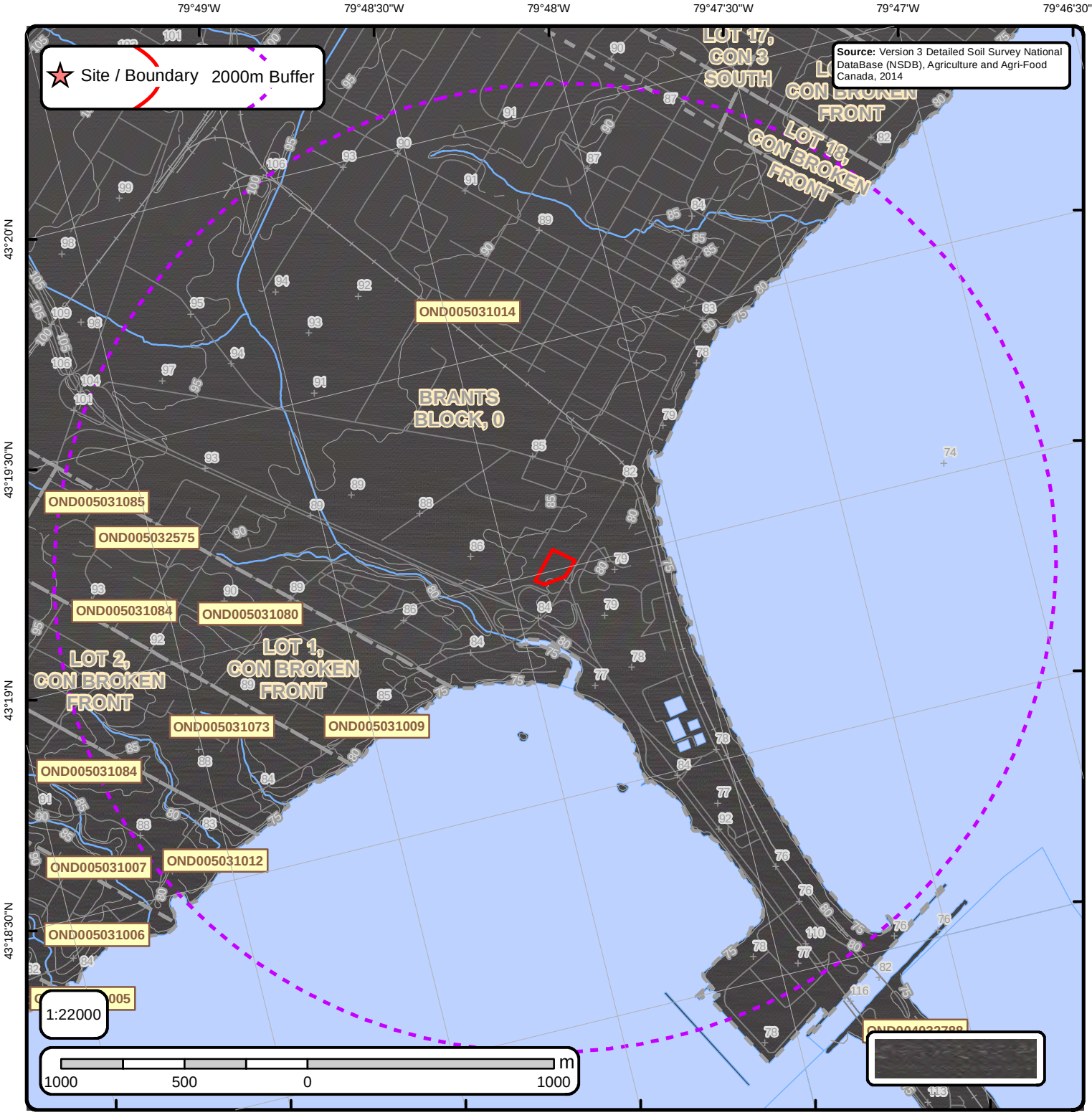
Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park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



Physiography of Southern Ontario

Order No. 20180116104

- Spot Height
- Roads
- Railroads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody
- Boulder Pavement
- Dissected Terrain
- Mud Flow Scars
- Sand Dunes
- escarpment
- shorecliff
- shorecliff (weakly developed)
- Physiography Regions
- Bare Rock Ridges And Shallow Till
- Beaches
- Bevelled Till Plains
- Clay Plains
- Drumlins
- Escarpments
- Eskers
- Kame Moraines
- Limestone Plains
- Peat And Muck
- Sand Plains
- Shale Plains
- Shallow Till And Rock Ridges
- Spillways
- Till Moraines
- Till Plains (Drumlinized)
- Till Plains (Undrumlinized)



Detailed Soil Survey (ON Soils)

Order No. 20180116104

- Spot Height
- Railroads
- Roads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody

[redacted]

Soils Report

Soil Map Units Found within 2000 m of
1157 North Shore Blvd E, Burlington, ON, L7S1C3

Order ID:
20180116104

Soil ID: OND005031009
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONGMY~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 12.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-23 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 33 | **Total Sand(%)** : 74 | **Total Silt(%)** : 20 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 5.067 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 23-60 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 37 | **Total Sand(%)** : 76 | **Total Silt(%)** : 19 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.252 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 60-95 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 76 | **Total Silt(%)** : 13 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 2.328 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-115 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 66 | **Total Sand(%)** : 68 | **Total Silt(%)** : 22 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 2.288 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND005032575
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZST~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : ABh | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 10 | **Total Silt(%)** : 46 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.228 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND005031073
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONGMY~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 12.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-23 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 33 | **Total Sand(%)** : 74 | **Total Silt(%)** : 20 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 5.067 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 23-60 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 37 | **Total Sand(%)** : 76 | **Total Silt(%)** : 19 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.252 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 60-95 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 76 | **Total Silt(%)** : 13 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 2.328 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-115 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 66 | **Total Sand(%)** : 68 | **Total Silt(%)** : 22 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 2.288 | **Electrical Conductivity(dS/m)** : 0 |

[redacted]

Soils Report

Soil Map Units Found within 2000 m of
1157 North Shore Blvd E, Burlington, ON, L7S1C3

Soil ID: OND005031014
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND005031080
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONVLD~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 12.0 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 39 | **Total Sand(%)** : 54 | **Total Silt(%)** : 38 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 2.839 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 21-36 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 42 | **Total Silt(%)** : 52 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 2.723 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 36-47 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 42 | **Total Silt(%)** : 50 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 1.982 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 47-57 | **Horizon** : Btgj | **Layer No** : 4 | **Very Fine Sand(%)** : 34 | **Total Sand(%)** : 40 | **Total Silt(%)** : 47 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.849 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 57-84 | **Horizon** : Bmgj | **Layer No** : 5 | **Very Fine Sand(%)** : 50 | **Total Sand(%)** : 53 | **Total Silt(%)** : 37 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 2.004 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 84-100 | **Horizon** : Bmgj | **Layer No** : 6 | **Very Fine Sand(%)** : 61 | **Total Sand(%)** : 63 | **Total Silt(%)** : 33 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.388 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND005031012
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soils Report

Soil Map Units Found within 2000 m of

1157 North Shore Blvd E, Burlington, ON, L7S1C3

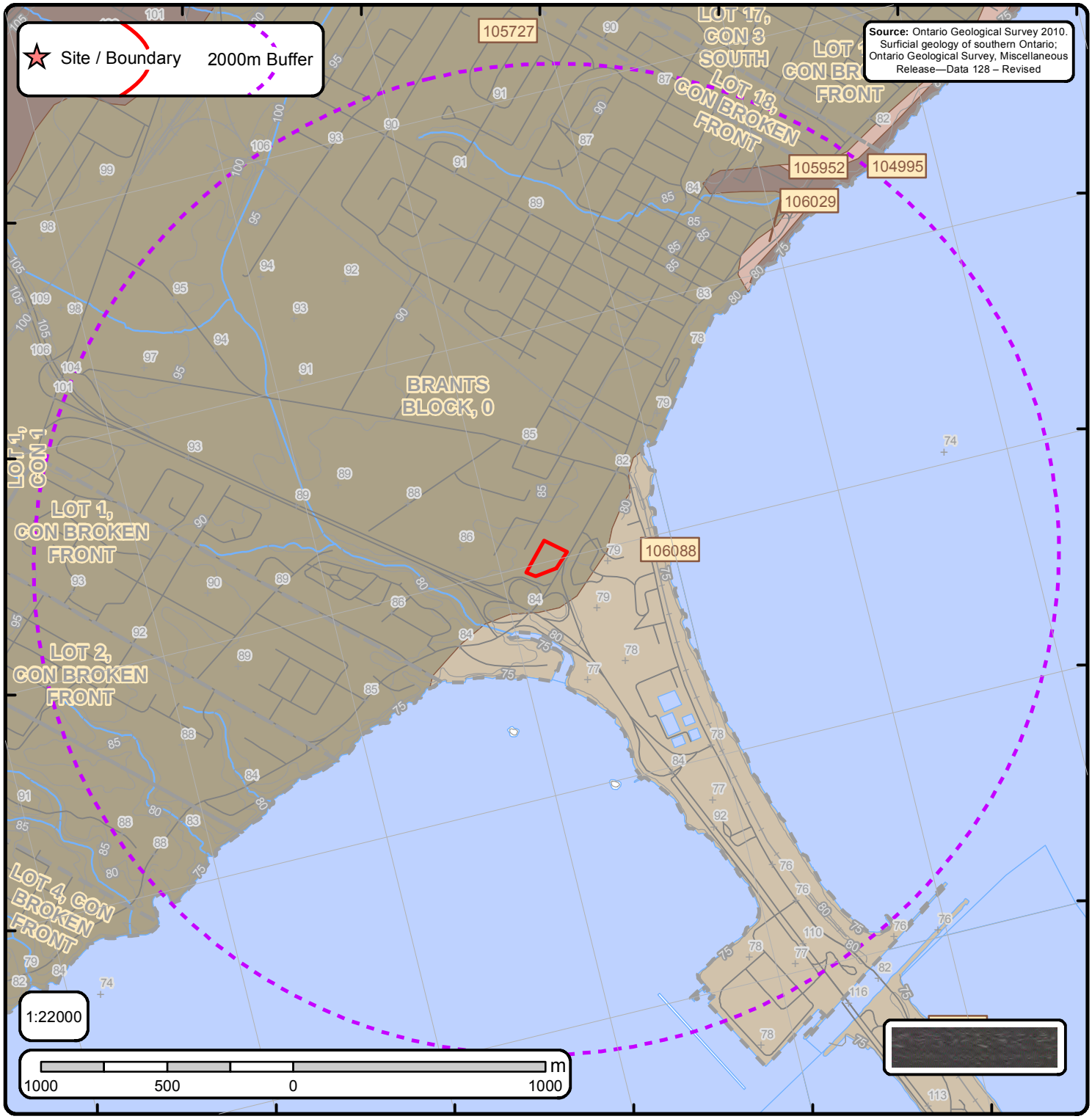
Order ID: 20180116104

Soil ID: OND005031084

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONGUP~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-25 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 51 | **Total Silt(%)** : 36 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.54 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-40 | **Horizon** : Bt | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 43 | **Total Silt(%)** : 37 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 0.534 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 40-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 32 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.22 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND005031085

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONGMY~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : moderately coarse sandy loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-23 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 33 | **Total Sand(%)** : 74 | **Total Silt(%)** : 20 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 5.067 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 23-60 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 37 | **Total Sand(%)** : 76 | **Total Silt(%)** : 19 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.252 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 60-95 | **Horizon** : Bt | **Layer No** : 3 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 76 | **Total Silt(%)** : 13 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 2.328 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-115 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 66 | **Total Sand(%)** : 68 | **Total Silt(%)** : 22 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 2.288 | **Electrical Conductivity(dS/m)** : 0 |



The Surficial Geology of Southern Ontario

Order No. 20180116104

Spot Height	Streams	Dune	Beach	Esker	karst	pitsg		
Waterbody	Contour Lines	Lake	Bluff	Esker ND	linfeat	popup		
Wetlands	Roads	Rib	Crevasse	Fluvial DL	megarip	ribl		
Airports	Railroads	Scab	Crest	fluvndl	mfluvdl	slidel		
Pit or Quarry	Morains	Slide	End	iceberg	mfluvndl	slumpb		
Lots		NOF Dune	Escarpment	icslope	moraine	terrace		

[redacted]

Surface Geology Report

Surface Geology units found within 2000 m of
1157 North Shore Blvd E, Burlington, ON, L7S1C3

Order ID:
20180116104

ID: 104995 | **Unit Name:** Bedrock |
Deposit Type Code: 1 | **Deposit Age:** Ordovician and Silurian | **Map Number:** m2509 | **Map Name:** Hamilton | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Shale and dolomite

ID: 105727 | **Unit Name:** Lacustrine and outwash sand |
Deposit Type Code: 12 | **Deposit Age:** Late Wisconsinan | **Map Number:** m2509 | **Map Name:** Hamilton | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciolacustrine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Sand

ID: 105952 | **Unit Name:** Halton Till |
Deposit Type Code: 10 | **Deposit Age:** Late Wisconsinan | **Map Number:** m2509 | **Map Name:** Hamilton | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** silty clay to clayey silt | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Erie-Ontario | **Carbon Content:** medium | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Clay or silt till

ID: 106029 | **Unit Name:** Halton Till |
Deposit Type Code: 10 | **Deposit Age:** Late Wisconsinan | **Map Number:** m2509 | **Map Name:** Hamilton | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** silty clay to clayey silt | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** Port Huron | **Stratus Modifier:** Surface | **Provenance:** Erie-Ontario | **Carbon Content:** medium | **Formation:** Halton Till | **Permeability:** Low | **Material Description:** Clay or silt till

ID: 106088 | **Unit Name:** Lake Ontario deposits |
Deposit Type Code: 17 | **Deposit Age:** Recent | **Map Number:** m2509 | **Map Name:** Hamilton | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** lacustrine | **Primary General Modifier:** littoral/foreshore | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Stratified sands, gravel

Surface Geology Report

Surface Geology units found within 2000 m of

1157 North Shore Blvd E, Burlington, ON, L7S1C3

Order ID:
20180116104

No Surface Geology units found within search area.

Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier- This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.