PHASE I ENVIRONMENTAL SITE ASSESSMENT

1280 Dundas Street West, Oakville, Ontario

Client

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Project Number

BIGC-GEO-185B

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Executive Summary

B.I.G. Consulting Inc. (BIG) was retained by Mr. Mike Mestyan on behalf of Delmanor Oakville Limited (Client), to complete a Phase I Environmental Site Assessment (ESA) at the property located immediately adjacent to the east of 1280 Dundas Street West, Oakville, Ontario (Site). It is BIG's understanding that the Phase I ESA is required for due diligence purposes and that a Record of Site Condition (RSC) is not required at this time.

A Phase I ESA is a systematic qualitative process to assess the environmental condition of a Site based on its current and historical uses. This Phase I ESA was conducted in general accordance with the Canadian Standards Association (CSA) Standard Z768-01 (R2016). Subject to this standard of care, BIG makes no express or implied warranties regarding its services, and no third-party beneficiaries are intended.

The Site is located south of Fourth Line and east of Dundas Street West, in Oakville, Ontario, as shown on Figure 1. The Site measures approximately 5.05 hectares (12.49 acres) in size and is currently vacant. A chain link fence is located along the western, eastern and northern Site boundaries. A pond is located at the northwest portion of the Site and ravine is located in the centre of the Site which are reportedly used for storm water drainage management. The Site is covered with grass and trees. The Site was reportedly used for agricultural land use until the late 1980s and a barn was located on the western portion of the Site until it burned down in 2016.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the Site. However, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase I ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

Based on the Phase I ESA findings, the following potential sources of environmental impairment were identified:

Areas of Potential Environmental Concern	Media and Potential Contaminants of Concern[1]	Comments
Site		
1. Former barn, farm house and southeastern portion – Unknown fill material	Soil and groundwater PAHs, metals and inorganics	Based on the aerial photographs and Site reconnaissance, the former barn located on the western portion, farm house located on the northern portion of the Site and a playground located on the southeastern portion of the Site were demolished and fill material may have been used to re-grade the Site. A small portion of fill piles was observed to the southeast of the Site. The fill piles were reportedly imported from the cemetery located southeast adjacent.

Areas of Potential Environmental Concern	Media and Potential Contaminants of Concern[1]	Comments
2. Entire Site – Former usage of pesticides	Soil and groundwater Organochlorine Pesticides	Based on the aerial photographs, the Site may have been previously used as an orchard. Based on the Site reconnaissance, an empty aboveground storage tank (AST) was observed on the northern portion of the Site, near the ravine and according to the Site Representative was reportedly used for storage of pesticides.

[1] PAHs – polycyclic aromatic hydrocarbons, VOCs – volatile organic compounds

Based on the above conclusions, the following is recommended at the Site:

Issue Identified	Recommendation	Rationale
Potential PAHs, organochlorine pesticides, metals and inorganics impacts	Conduct a Phase II ESA consisting of borehole drilling and monitoring well installation including soil and groundwater sampling.	Assess the soil and groundwater quality to investigate all potential on-Site sources of environmental impairment to the Site.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

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Abbreviations and Acronyms

°C	degree Celsius
APEC	Area of Potential Environmental Concern
AST	Aboveground Storage Tank
BESR	Brownfields Environmental Site Registry
BIG	Brownfield Investment Group Inc
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
COC	Contaminant of Concern
EBR	Environmental Bill of Rights
EC	Electrical Conductivity
ERIS	Environmental Risk Information Services Ltd.
ESA	Environmental Site Assessment
FIP	Fire Insurance Plan
FOI	Freedom of Information
ha	hectare(s)
HVAC	Heating Ventilation and Air Conditioning
HWIN	Hazardous Waste Information Network
L	litre(s)
m	metre(s)
m asl	metres above sea level
m bgs	metres below ground surface
MNRF	Ministry of Natural Resources and Forestry
MOE CA	Ministry of Environment Certificate(s) of Approval
MOECC	Ministry of Environment and Climate Change
PAH	Polycyclic Aromatic Hydrocarbon(s)
PCA	Potentially Contaminating Activity
PCOC	Potential Contaminants of Concern
PHC	Petroleum Hydrocarbon(s)
PM	Particulate Matter
QP_{ESA}	Qualified Person for Environmental Site Assessment
RSC	Record of Site Condition
SAR	Sodium Adsorption Ratio
SCS	Site Condition Standard
TSSA	Technical Standards & Safety Authority
UST	Underground Storage Tank
VOC	Volatile Organic Compound(s)

1. Introduction

B.I.G. Consulting Inc. (BIG) was retained by Mr. Mike Mestyan on behalf of Delmanor Oakville Limited (Client), to complete a Phase I Environmental Site Assessment (ESA) at the property located immediately adjacent to the east of 1280 Dundas Street West, Oakville, Ontario (Site). It is BIG's understanding that the Phase I ESA is required for due diligence purposes and that a Record of Site Condition (RSC) is not required at this time.

A Phase I ESA is a systematic qualitative process to assess the environmental condition of a Site based on its current and historical uses. This Phase I ESA was conducted in general accordance with the Canadian Standards Association (CSA) Standard Z768-01 (R2016). Subject to this standard of care, BIG makes no express or implied warranties regarding its services, and no third-party beneficiaries are intended (see Appendix A).

It should be noted that the objective of this review was to identify any environmental concerns associated with the Site.

1.1 Site Information

The Site is located south of Fourth Line and east of Dundas Street West, in Oakville, Ontario, as shown on Figure 1. The Site measures approximately 5.05 hectares (12.49 acres) in size and is currently vacant. A chain link fence is located along the western, eastern and northern Site boundaries. A pond is located on the northwestern portion of the Site and ravine is located in the centre of the Site and it was reportedly used for storm water drainage management. The Site is covered with grass and trees. The Site was reportedly used for agricultural land use until late 1980s and a barn was located on the western portion of the Site until it burned down in 2016.

The Site is bound to the north by Fourth Line followed by Sixteen Mile Creek, to the east by Lions Valley Park and St. Volodymyr's Cemetery, to the south by an access roadway followed by St Volodymyr Cultural Centre and to the west by Fourth Line and Dundas Street West. A Site plan is shown in Figure 2.

Table 1-1: Site Information

Municipal Address	1280 Dundas Street West, Oakville, Ontario
Size	5.05 hectares (12.49 acres)
Approximate Universal Transverse Mercator (UTM) coordinates	Zone: 17 Easting: 601034.56 Northing: 4812310.38 (1 m, NAD83, QGIS)

2. Scope of Investigation

The scope of work for the Phase I ESA consisted of the following activities:

a) Reviewing the historical occupancy of the Site through the use of available archived and relevant municipal and business directories, Fire Insurance Plans (FIPs), topographical maps, and aerial photographs;
b) Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
c) Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Site and surrounding properties;
d) Reviewing available geological maps, well records and utility maps for the vicinity of the Site;
e) Reviewing available reports previously completed at the Site;
f) Conducting interviews with designated Site representative(s) as a resource for current and historical Site information, as well as to provide BIG staff with unrestricted access to all areas of the Site;
g) Conducting a Site reconnaissance in order to identify any land use practices that may have impacted the environmental condition of the Site;
h) Conducting a reconnaissance of the surrounding properties from the Site and publicly accessible areas in order to identify any land use practices that may have impacted the environmental condition of the Site; and,
i) Preparing a report to document the findings.

In completing the scope of work, BIG did not conduct any intrusive investigations, including but not limited to sampling, analyses or monitoring of materials. In addition, general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of this investigation.

BIG personnel who conducted assessment work for this project included Ms. Eileen Liu, M.Env.Sc., and Mr. Darko Strajin, P.Eng. An outline of their qualifications is provided in Appendix B.

3. Records Review

3.1 General

3.1.1 Phase I Study Area Determination

The Site is located south of Fourth Line and east of Dundas Street West, in Oakville, Ontario, as shown on Figure 1. For the purpose of this assignment, the Phase I Study Area consisted of the immediately neighbouring properties. The surrounding properties within the Phase I Study Area predominantly consisted of community use. The Site Plan is shown on Figure 2. Sixteen Mile Creek is located approximately 80 m north of the Site and the inferred groundwater flow direction is likely towards the north.

Based on a review of historical aerial photographs, maps, and other records, the Site was developed for agricultural purpose in 1950s.

3.1.2 Fire Insurance Plans

BIG contracted Opta Information Intelligence to perform a search for FIPs, Property Underwriters Reports and Property Underwriters Plans within the Phase I Study Area. Based on the search, the inspection survey report dated 1988 covered the southwest adjacent property and is included in Appendix F.

	1988
South	a) The southwest adjacent property was occupied by St. Volodymyr Cultural Centre which was reportedly built in 1988 with a total area of 2,414.27 m².

No potential environmental impacts were identified.

3.2 Chain of Title

Based on the historical information available from other sources and correspondence with Site personnel, the chain of title was not required for due diligence purposes.

3.3 Environmental Reports

No environmental reports were available for review at the time of this Phase I ESA.

3.4 Environmental Source Information

3.4.1 Federal and Provincial Database Search

A search of provincial, federal and private environmental databases for records pertaining to the Site and properties within the Phase I Study Area was conducted by ERIS. BIG has confirmed neither the completeness nor the accuracy of the records that were provided. A copy of the ERIS report is provided in Appendix C. A summary of the significant findings is provided below.

3.4.1.1 Waste Disposal Sites

The ERIS search included the following waste disposal sites databases:

a) Anderson's Waste Disposal Sites (1860 to present)
b) Waste Disposal Sites – MOE CA Inventory (October 2011 to January 2018)
c) Waste Disposal Sites MOE 1991 Historical Approval Inventory (Up to October 1990)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.2 Boreholes (1875 to July 2014)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.3 Certificates of Approval (1985 to October 2011)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.4 Ontario Regulation 347 Waste Generator Summary (1986 to December 2017)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.5 National Pollutant Release Inventory (1993 to May 2017)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.6 Technical Standards & Safety Authority (TSSA) Incidents (Up to February 2017)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.7 Pesticide Register (1988 to August 2017)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.8 Fuel Storage Tanks

The ERIS search included a search of the following databases.

a) Fuel Storage Tank (Up to February 2017)
b) Historic Fuel Storage Tank (Pre January 2010)
c) List of TSSA Expired Facilities (Up to February 2017)
d) Private and Retail Fuel Storage Tanks (1989 to 1996)
e) Retail Fuel Storage Tanks (1999 to January 2018)
f) Commercial Fuel Oil Tanks (Up to February 2017)
g) Anderson's Storage Tanks (1915 to 1953)

No records were identified for the Site or within the Phase I Study Area.

3.4.1.9 Ontario Spills (1988 to September 2017)

No records were identified for the Site. The following spill was identified to have occurred within the Phase I Study Area:

a) A spill of 100 L of diesel fuel to the pavement and storm sewer from a truck on Dundas Street near Fourth Line in 1998, approximately 75 m southwest of the Site. The intersection also had a 500 L diesel fuel spill in 2016. Based on the proximity of the spill to the Site, it is not believed that these spills had a negative environmental impact on the Site.

3.4.1.10 Scott's Manufacturing Directory (1992 to March 2011)

No records were identified for the Site or the properties within the Phase I Study Area.

3.4.1.11 Water Well Information System (1955 to March 2017)

Two (2) water well records were identified for the Site. One (1) well record was for the installation of a water supply well installed in 1969, and the other was to abandon another water supply well in 1988. The wells were installed to a maximum depth of 24.1 m below ground surface (bgs). Based on the well records, the soil stratigraphy of the Site consisted of topsoil and clay underlain by shale and the groundwater was found at approximately 4.88 to 18.3 m bgs. Five (5) additional records were identified for properties within

the Phase I Study Area which were installed between 1988 and 2016 for water supply, monitoring and test hole purposes. The wells were installed to a maximum depth of 32 m bgs. Based on the well records, the general soil stratigraphy in the vicinity of the Site consisted of topsoil and clay underlain by silt, clay and shale.

3.4.2 Municipal City Directories

A search of Oakville City Directories was completed by LGI Copy Service Canada in order to identify the occupancy history of the Site and properties within the Phase One Study Area for potential environmental concerns. Based on the review of the available directories dated 1958, 1971, 1981, 1989 and 2000, summarized in Appendix D, the following significant findings were identified.

a) The Site first appeared in 1989 and listed as single tenant residential in 1989.
b) The property located at 1280 Dundas Street West, southwest adjacent, was listed as Ukrainian Orthodox Centre in 1989, St. Volodymyr Cultural Centre and St. Volodymyr Ukrainian Cemetery in 2000.

The remaining properties within the Phase I Study Area did not appear to be associated with potential environmental impacts to the Site.

3.4.3 Ontario Ministry of Environmental and Climate Change Records

3.4.3.1 Ministry of the Environment and Climate Change (MOECC)

The MOECC was contacted through the Freedom of Information and Protection of Privacy Act (FOI) for copies of available records pertaining to the Site on May 4, 2018.

The written response from the MOECC is pending at the time of this Phase I ESA.

3.4.3.2 MOECC Databases

The ERIS report summarized in the Federal and Provincial Database Search section of the report included a summary of MOECC databases. The databases include the following: MOECC Environmental Bill of Rights (EBR), MOECC Brownfields Environmental Site Registry (BESR), MOECC Hazardous Waste Information Network (HWIN), MOECC Environmental Activity and Sector Registry and MOECC Waste Disposal Sites. No records were identified for the Site or within the Phase I Study Area.

3.4.4 Technical Standards and Safety Authority (TSSA)

A request was made to the TSSA by email on May 3, 2018 for information regarding fuel storage at the Site and adjoining properties.

An email response from TSSA was received on May 4, 2018 and is included in Appendix E. Based on the search results, no storage tanks were identified for the Site or the properties within the Phase I Study Area.

3.5 Physical Setting Sources

3.5.1 Aerial Photographs

Aerial photographs dated 1934, 1965 and 1985 were obtained from LGI Copy Services Canada in order to review the development and land use history of the Site and the Phase I Study Area. An aerial photograph dated 1995 was obtained from Town of Oakville and aerial photographs dated 2005 and 2016 were obtained from Google Earth. BIG noted that at the time of this Phase I ESA, the 1934 aerial photograph was the earliest available photograph for the Site and Phase I Study Area. The aerial photographs were

collected at available intervals to best capture the changes of the Site and based on availability from the archives.

The development and land use history of the Site and adjacent properties as depicted on the reviewed aerial photography is summarized in Table 3-1. Copies of the aerial photographs are included in Appendix F.

Table 3-1: Aerial Photograph Observations

Aerial Photograph Year	Observations
1934	a) The Site appears to have been farmland with an orchard on the northern portion of the property, a barn is located on the western portion and a farm house is located on the northern portion of the Site. b) Dundas Street West and Fourth Line appear to have been constructed. c) Sixteen Mile Creek is located approximately 80 m north. d) The properties within the Phase I Study Area appear to have been undeveloped.
1965	a) A storage trailer is located on the northeastern portion of the Site.
1985	a) No major changes to the Site or Phase I Study Area were observed from the 1965 aerial photograph.
1995	a) A playground at southeastern portion of the Site appears to be developed. b) The southwest adjacent property, St. Volodymyr Cultural Centre appears to have been constructed.
2005	a) The farm house located on the northern portion of the Site appears to have been demolished. b)
2016	a) The playground at southeastern portion and the barn located on the western portion of the Site appear to have been demolished.

Based on a review of aerial photographs, the following potential environmental impacts were identified:

a) The former barn, farm house and playground at the Site appear to have been demolished and fill material may have been used to re-grade the Site and backfill excavations which may have had a negative environmental impact at the Site.
b) The northern portion of the Site may have been previously used as an orchard and pesticides may have been used which may have had a negative environmental impact at the Site.

3.5.2 Topography, Hydrology and Geology

The following physiographic, geological and soil maps were reviewed in May 11, 2018:

a) Atlas of Canada – Toporama Topographic Map (Toporama)
b) Ontario Base Map (OBM)
c) Ontario Ministry of Northern Development and Mines website, Bedrock Geology of Ontario, 2011 – MRD 126; and Paleozoic Geology of Southern Ontario, 2007 – MRD 219 (KML format)
d) Ontario Ministry of Northern Development and Mines website, Surficial Geology of Southern Ontario, 2010. (KML format)
e) Ontario Ministry of Northern Development and Mines website, Physiography of Southern Ontario 2007

Based on the review of the above maps, the following information was obtained:

a) The Site is at an elevation of approximately 151 m above sea level (asl), generally at the same elevation as properties to the south and west of the Site. The surrounding properties located to the east and north are generally at lower elevations than the Site. The Site consists of a downgradient slope towards the northeast.
b) No water bodies are located on Site. A pond and ravine for storm water drainage management purposes are located on the Site. Sixteen Mile Creek is situated approximately 80 m north. The groundwater flow direction is inferred to be to the northeast.
c) The bedrock in the general area of the Site consists of shale, limestone, dolostone and siltstone and is part of Queenston Formation.
d) The surficial geology of the Site is comprised of clayey to silt-textured till (derived from glaciolacustrine deposits or shale).
e) The Site is characterized as till plains within the physiographic region of the South Slope.

3.5.3 Water Bodies and Areas of Natural Significance

A pond and ravine for storm water drainage management purposes are located on the Site. Sixteen Mile Creek is situated approximately 80 m north and Lake Ontario is situated approximately 6 km southeast.

Based on the review of available resources from the Ministry of Natural Resources on April 6, 2018, no areas of natural significance were identified at the Site or within the Phase I Study Area.

3.5.4 Well Records

3.5.4.1 Water Wells

A search of the water well database was conducted by ERIS to identify water wells within the Phase I Study Area. A summary of the water well records is included in Section 3.4.1.11.

3.5.4.2 Oil, Gas, and Salt Wells

A search of the Oil, Gas & Salt Resources Library (2014) website was completed to identify oil, gas and salt wells within the vicinity of the Site on May 11, 2018. The website indicated there were no oil, gas or salt wells located at the Site or within the Phase I Study Area.

3.5.5 Record of Site Condition

An RSC summarizes the environmental conditions of a property as determined by a qualified person (QP) by conducting a Phase One ESA, and where necessary, a Phase Two ESA, confirmatory sampling and a risk assessment. Upon completion of the necessary environmental Site assessments, a RSC for an assessed property can be filed with the MOECC and added to the BESR database. This online, publicly available database, can be searched to identify what properties may have potential environmental concerns. A search of BESR (2017) website was completed to identify any RSCs within the vicinity of the Site on May 11, 2018.

No records were identified for the Site or for properties within the Phase I Study Area.

3.6 Site Operating Records

In general, a request is usually made to the property representative for copies of any operating records pertaining to the environmental conditions at the Site. Records could include: regulatory permits; Safety Data Sheets (SDS) for all chemicals that were handled on-Site; underground utility drawings; inventories of chemicals, chemical usage, and chemical storage areas; inventory of aboveground storage tanks (ASTs)

and USTs; environmental monitoring data; correspondence pertaining to an order or request by the MOECC or TSSA; waste management records; process, production, and maintenance documents; records of spills and records of discharges of chemicals; emergency response and contingency plans, including spill prevention and contingency plans; environmental audit reports; and site plans of the facility showing areas of production and manufacturing.

No operating records were available for the Site.

4. Interviews

Interviews were conducted by BIG with the individual identified to be the most knowledgeable about both the current and historical Site uses. The interview was conducted in order to obtain information to assist in identifying details of potentially contaminating activities, potential contaminant pathways in, on, or below the Site, and areas of potential environmental concern. Any information provided during the interviews is presented alongside information from the Site reconnaissance in Section 5.

During the completion of this Phase I ESA, the following individual was interviewed:

a) Mr. Vince (Slavko) Adamec, Director of St. Volodymyr Cathedral has known about the Site for approximately 50 years.

Information obtained during the interview is provided below, in the relevant sections.

5. Site Reconnaissance

5.1 General Requirements

The Phase I ESA Site Reconnaissance was conducted on May 9, 2018, between 1 pm and 3:10 pm by Ms. Eileen Liu, M.Env.Sc. GIT. On the day of the Site reconnaissance, the weather was sunny (approximately 24°C).

The Site and the adjoining properties were observed from the Site and/or publicly accessible areas. Photographs documenting the Site visit are included in Appendix G.

5.2 Specific Observations at Phase I ESA Property

5.2.1 Site Description and Buildings

The Site is located south of Fourth Line and east of Dundas Street West, in Oakville, Ontario, as shown on Figure 1. The Site measures approximately 5.05 hectares (12.49 acres) in size and is currently vacant. A chain link fence is located along the western, eastern and northern Site boundaries. A pond is located on the northwestern portion of the Site and ravine is located in the centre of the Site, it was reportedly used for storm water drainage management purposes. The Site is covered with grass and trees. The Site was reportedly used for agricultural land use until late 1980s and a barn was located on the western portion of the Site until it burned down in 2016.

5.2.2 Heating and Cooling Systems

No heating or cooling system was observed on the Site during the Site reconnaissance.

5.2.3 Site Utilities and Services

The Site is located within a community area of the Town of Oakville. Based on the Site representative, no utilities and services are located on Site. An overhead hydro line was observed along Dundas Street West, west of the Site.

5.2.4 Site Production and Manufacturing

The Site is currently vacant. No on-Site production or manufacturing processes were observed to be conducted at the Site during the Site reconnaissance.

5.2.5 Drains, Pits and Sumps

No other drains, pits or sumps on the Site were observed during the Site reconnaissance.

5.2.6 Storage Tanks

5.2.6.1 Underground Storage Tanks (UST)

The presence/absence and condition (if present) of USTs at the Site was assessed during the Site reconnaissance. BIG did not observe the presence of any active USTs (fill/vent pipes, access ports) at the time of the Site reconnaissance. The Site representative had no knowledge of any historical or current USTs at the Site.

5.2.6.2 Aboveground Storage Tanks (AST)

The presence/absence and condition (if present) of ASTs at the Site was assessed during the Site reconnaissance. BIG did not observe the presence of any active ASTs (fill/vent pipes, access ports) at the time of the Site reconnaissance. One (1) AST was observed on the northern portion of the Site, near the

ravine and was reportedly used for storage of pesticides and the tank is currently empty. Based on the Site representative, the Site had a propane tank located to the north of the Site and was reportedly used for defrosting. The former usage of pesticides may have had a negative environmental impact on the Site.

5.2.7 Water Wells

No monitoring water wells or potable wells were observed at the Site or within the Phase I Study Area during the Site reconnaissance.

5.2.8 Site Housekeeping

The Site appeared to be well maintained. No significant amounts of debris, outdoor storage, or uncontrolled waste storage were noted during the Site reconnaissance.

5.2.9 Chemical Storage and Handling and Floor Condition

No chemicals were observed at the Site during the Site reconnaissance.

5.2.10 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of stained soil or pavement or stressed vegetation was observed at the time of the Site reconnaissance.

5.2.11 Fill and Debris

Fill can be used to re-grade a property and to backfill excavations. Fill piles were observed at the location of the former barn and farm house, located on the western and northern portions of the Site, and a small number of fill piles were observed to the southeast of the Site. These fill piles were reportedly imported from the cemetery located southeast adjacent. The fill material may have had a negative environmental impact on the Site.

5.2.12 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOECC. No sources of active air emissions were noted during the Site reconnaissance.

5.2.13 Hazardous Building Materials and Designated Substances

5.2.13.1 Polychlorinated Biphenyls (PCBs)

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. Potential equipment, which could contain PCBs include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers.

Based on the records review and the Site reconnaissance, no significant sources of PCBs were observed on the Site.

5.2.13.2 Asbestos Containing Materials (ACMs)

Asbestos-containing materials (ACMs) are fibrous hydrated silicates and can be found in building materials. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. The common use of potential friable ACMs (pipe/boiler insulation and fireproofing) in construction was discontinued in the mid-1970s.

As there are no structures on the Site, no ACMs were expected to be present at the Site.

5.2.13.3 Ozone Depleting Substances

Production of chlorofluorocarbons (CFCs) often referred to as Freons, ceased in Canada in 1993 as a result of their ozone-depleting characteristics. Importation of CFCs into Canada ceased in 1997 and a total ban on their use is proposed for 2020. The use of these materials is still permitted in existing equipment, but equipment must be serviced by a licensed contractor such that CFCs are contained and not released to the environment during servicing or operation.

As there are no structures on the Site, no CFCs were expected to be present at the Site.

5.2.13.4 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead-based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

As there are no structures on the Site, no LBPs were expected to be present at the Site.

5.2.13.5 Urea Formaldehyde Foam Insulation (UFFI)

Urea formaldehyde foam insulation (UFFI) is an insulation material that was formerly sprayed into cavities in walls and ceilings. UFFI was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and “cure” into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. Most installations occurred between 1977 and the further use of UFFI was banned in Canada in 1980s.

As there are no structures on the Site, no UFFI was expected to be present at the Site.

5.2.13.6 Mercury

Mercury was used in some batteries, light bulbs, paints, thermostats, etc. Mercury compounds were eliminated from indoor latex paints in 1991 through a voluntary manufacturer withdrawal.

As there are no structures on the Site, no mercury-based compounds were expected to be present at the Site.

5.2.13.7 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow it requires a food source (i.e., gypsum wallboard, carpets, wallpaper, wood, etc.) and moist conditions. Mould can have an impact on human health depending on the species and concentration of the mould. Health effects can include allergies and mucous membrane irritation.

As there are no structures on the Site, no mould growth was noticed in the visible areas of the Site during the Site reconnaissance.

5.2.13.8 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for maximum acceptable level or radon gas of 200 becquerels per cubic metre (Bq/m^3). Where radon gas is present and the annual radon concentration exceeds 200 Bq/m^3 in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

Typically, radon is not a significant environmental concern in southern Ontario.

5.2.13.9 Other Substances

No special attention substances (such as acrylonitrile or isocyanates) were observed to be present at the Site during the Site reconnaissance.

5.3 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and the properties within the Phase I Study Area was conducted from publicly accessible areas to identify the occupants with potential to contaminate the Site.

Location of Adjoining Properties	Property Use
North	Fourth Line and Sixteen Mile Creek
South	St. Volodymyr Ukrainian Cemetery and residential
East	Lions Valley Park
West	St Volodymyr Cultural Centre

No potential environmental impacts were identified.

5.4 Written Description of Investigation

A reconnaissance of the Site was conducted by BIG to examine the exterior portions of the Site, which were examined for evidence of utilities and related infrastructure, water wells, Site drainage and related infrastructure, stained areas, stressed vegetation and evidence of fill material.

The Site reconnaissance included an examination of all properties within the Phase I Study Area from public access ways to document and characterize potentially contaminating activities, water bodies and areas of natural significance.

6. Conclusions

Based on the Phase I ESA findings, the following potential sources of environmental impairment were identified:

Areas of Potential Environmental Concern	Media and Potential Contaminants of Concern	Comments
Site		
1. Former barn, farm house and southeastern portion – Unknown fill material	Soil and groundwater PAHs, metals and inorganics	Based on the aerial photographs and Site reconnaissance, the former barn located on the western portion, farm house located on the northern portion of the Site and a playground located on the southeastern portion of the Site were demolished and fill material may have been used to re-grade the Site. A small portion of fill piles was observed to the southeast of the Site. The fill piles were reportedly imported from the cemetery located southeast adjacent.
2. Entire Site – Former usage of pesticides	Soil and groundwater Organochlorine Pesticides	Based on the aerial photographs, the Site may have been previously used as an orchard. Based on the Site reconnaissance, an empty aboveground storage tank (AST) was observed on the northern portion of the Site, near the ravine and according to the Site Representative was reportedly used for storage of pesticides.

7. Recommendations

Based on the above conclusion, the following is recommended at the Site:

Issue Identified	Recommendation	Rationale
Potential PAHs, organochlorine pesticides, metals and inorganics impacts	Conduct a Phase II ESA consisting of borehole drilling and monitoring well installation including soil and groundwater sampling.	Assess the soil and groundwater quality to investigate all potential on-Site sources of environmental impairment to the Site.

7.1 Closure

This Phase I ESA was conducted in accordance with the CSA Standard Z768-01 (R2016), and in accordance with generally accepted professional practices. Subject to this standard of care, BIG makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Appendix A.

It should be noted that the Phase I ESA was conducted for due diligence purposes only. Should an RSC be required in the future, additional assessment and/or further investigations may be required to meet all regulatory and administrative requirements of the O.Reg.153/04 (as amended).

Yours truly,

B.I.G. Consulting Inc.

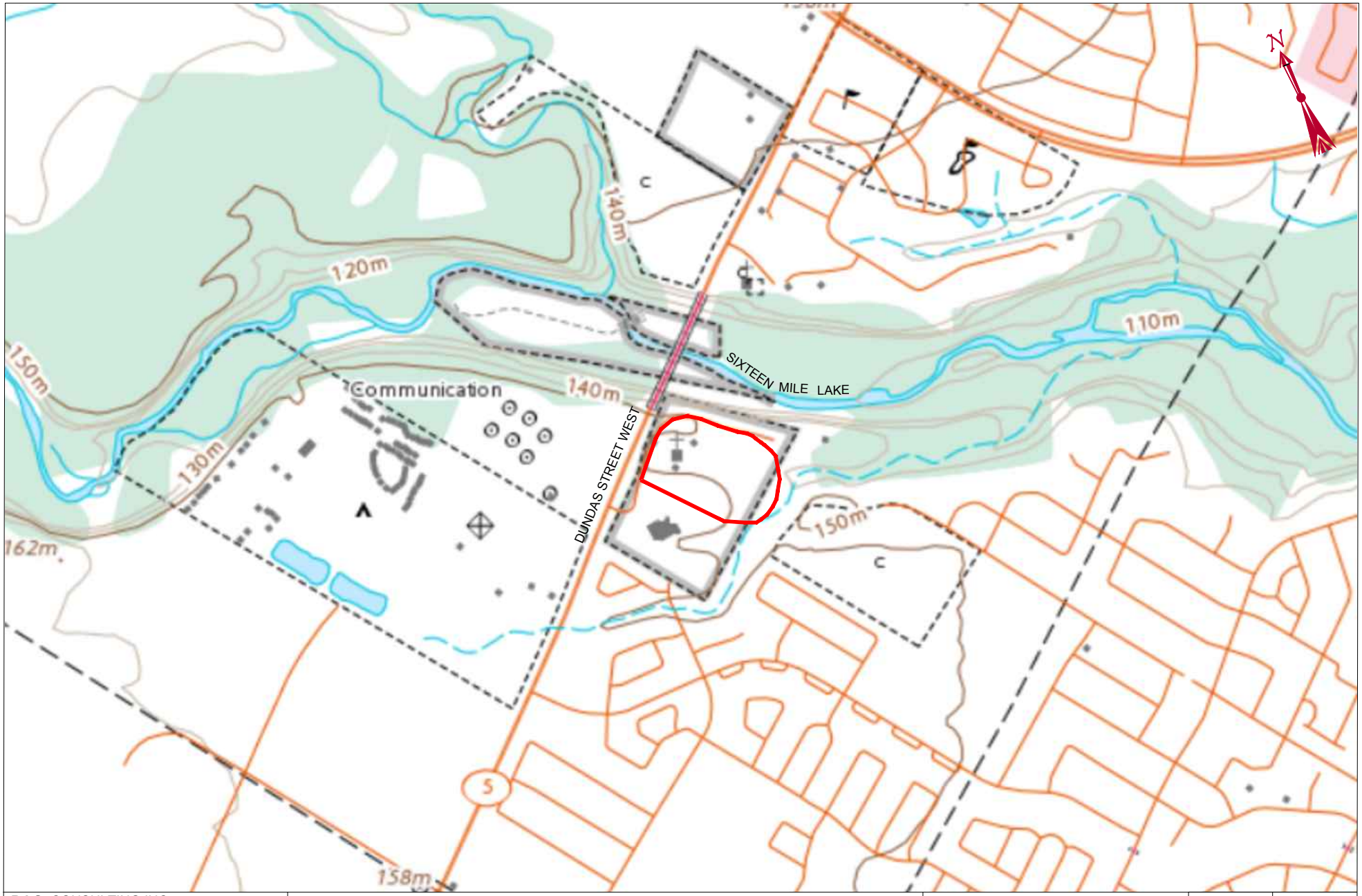
Eileen Liu, M.Env.Sc., GIT
Environmental Scientist

Darko Strajin, P.Eng.
Managing Partner

8. References

1. Canadian Standards Association. 2016. *Z768-0 Phase I Environmental Site Assessment.*
2. Ecolog ERIS Ltd. (2018) Database Report— 1280 Dundas Street West, Oakville, Ontario. Ecolog ERIS Ltd, May 8, 2018.
3. Environmental Significant Area, City of Toronto. Accessed online at http://map.toronto.ca/maps/map.jsp?app=ESA
4. Natural Heritage Areas. (2014) Ministry of Natural Resources and Forestry. Accessed online at http://www.gisapplication.lrc.gov.on.ca/mamnh/Index.html?site=MNR_NHLUPS_NaturalHeritage&viewer=NaturalHeritage&locale=en-US
5. Occupational Health and Safety Act - Ministry of Labour (MOL)
6. Oil, Gas & Salt Resources Library (2014) Petroleum Well, Petroleum Pool, Seismic and Fault Map of Ontario [map interface]. Accessed online at: http://maps.ogsrlibrary.com.
7. Ontario Ministry of Environment and Climate Change, Map: Well Records, 2016. Accessed online at https://www.ontario.ca/environment-and-energy/map-well-records
8. Ontario Ministry of Northern Development and Mines website, Bedrock Geology of Ontario, 2011 – MRD 126; and Paleozoic Geology of Southern Ontario, 2007 – MRD 219 (KML format)
9. Ontario Ministry of Northern Development and Mines website, Physiography of Southern Ontario 2007
10. Ontario Ministry of Northern Development and Mines website, Surficial Geology of Southern Ontario, 2010. (KML format)
11. Ontario Ministry of the Environment (2014) Brownfields Environmental Site Registry. Accessed online at: http://www.environet.ene.gov.on.ca/besr-public.
12. Ontario Ministry of the Environment (2014) Environmental Registry. Accessed online at: http://www.ebr.gov.on.ca/ERS-WEB-External.
13. Topographic Map available at the Natural Resources Canada (NRC) website. Accessed online at http://atlas.nrcan.gc.ca/site/english/maps/topo/map

FIGURES



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LEGEND

APPROXIMATE SITE BOUNDARY

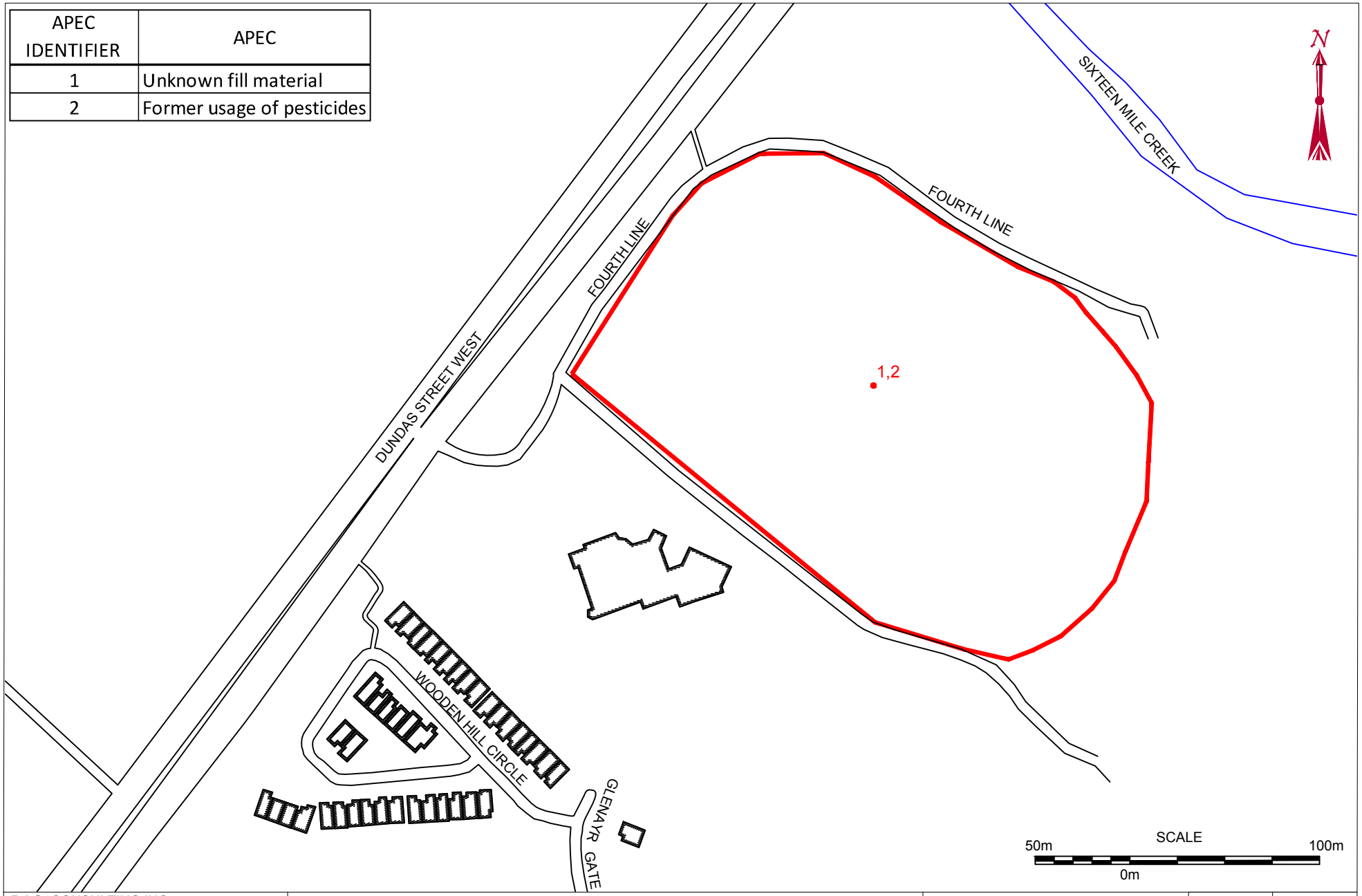
IMAGERY OBTAINED FROM TOPORAMA, NATURAL RESOURCES CANADA, 2017

TITLE AND LOCATION

SITE LOCATION PLAN
PHASE I ESA
1280 DUNDAS STREET WEST,
OAKVILLE, ONTARIO

PROJECT NO.	DWN.
BIGC-GEO-185B	S.M.
SCALE	CK.
AS NOTED	E.L.
DATE	FIG NO.
MAY 2018	1

APEC IDENTIFIER	APEC
1	Unknown fill material
2	Former usage of pesticides



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Canada

bigconsultinginc.com

LEGEND

APPROXIMATE SITE BOUNDARY
EXISTING BUILDING
APEC IDENTIFIER

TITLE AND LOCATION

SITE LAYOUT PLAN AND AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APECs)
PHASE I ESA
1280 DUNDAS STREET WEST, OAKVILE, ONTARIO

PROJECT NO.	DWN.
BIGC-GEO-185B	S.M.
SCALE	CK.
AS NOTED	E.L.
DATE	FIG NO.
MAY 2018	2

TABLES

Table I

SITE ENVIRONMENTAL SETTING DATA 1280 Dundas Street West, Oakville, Ontario		
NATIVE SOIL AND BEDROCK		
Type	Unknown	
Hydraulic Conductivity	Unknown	
Percent Sand	Unknown	
Depth to Bedrock	Unknown	
Bedrock Type	Queenston Formation (shale, limestone, dolostone and siltstone)	
GROUND WATER		
Depth to Water Table	Unknown	
Estimated or Measured	Estimated	
Direction of Flow	North	
Estimated or Measured	Estimated	
POTABLE WATER AND SEWERS		
Potable Water Source	Town of Oakville	
Municipal Water Source	Lake Ontario	
Distance to Nearest Municipal Water Well	None identified within Phase I Study Area	
Distance to Nearest Private Water Well	Unknown	
Sanitary Sewage System	Town of Oakville	
Storm Water System	Town of Oakville	
SURFACE WATER		
Name of Nearest Water Body	Sixteen Mile Creek	Lake Ontario
Distance from Site	80 m	6 km
Elevation Drop from Site	34 m	73 m
Direct Drainage from Site	No	No
B.I.G. Consulting Inc.		**BIGC-GEO-185B**

APPENDIX A: LIMITATION OF LIABILITY, SCOPE OF REPORT, AND THIRD-PARTY RELIANCE

Limitation of Liability, Scope of Report, and Third Party Reliance

The information presented in this report is based on visual site inspection and following the general guidance provided in the CSA standard. The objectives of the investigation were to evaluate the current environmental conditions of the subject property. The observations, conclusions and recommendations presented in this report are based on the site conditions existing at the time of BIG's site visit. If in the future, a Record of Site Condition (RSC) is pursued or additional information is become available or revealed through intrusive on-site testing, BIG should be contacted to re-evaluate the information presented in this report, if required.

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APPENDIX B: QUALIFICATION OF ASSESSORS

Qualifications of Assessors

The records review and the Site visit were conducted by Ms. Eileen Liu, who has been trained to conduct Phase I ESAs in accordance with O. Reg 153 and CSA Standard Z768-01. Eileen has a Master's degree in Environmental Science from the University of Toronto and has completed numerous Phase One and Phase Two ESA reports under Ontario jurisdiction. She had been involved in Environmental Site Assessments, risk assessments, remediation projects and environmental management report reviews under Federal jurisdiction.

Mr. Darko Strajin, is the Principal of BIG, he is a licensed engineer in province of Ontario and has over 25 years of consulting experience. Darko has been involved in conducting Phase One and Phase Two Environmental Site Assessments for more than 20 years. Darko has been responsible for successfully managing numerous environmental investigations and site assessments. Darko has in depth knowledge of Environmental Regulations including experience in geology, hydrogeology and geotechnical engineering that enables him to provide superior services to his clients in the environmental industry. Darko has registered with the MOECC as QP (Environmental Site Assessment) and has filed number of Record of Site Condition documents over the years.

APPENDIX C: ECOLOG ERIS REPORT

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*BIGC-GEO-185-1* *1280 Dundas St W* *Oakville ON L6M4H9*
Project No:	
Report Type:	*Standard Report*
Order No:	*20180501114*
Requested by:	*B.I.G. Consulting Inc.*
Date Completed:	*May 8, 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: *BIGC-GEO-185-1*
1280 Dundas St W Oakville ON L6M4H9

Project No:

Coordinates:

Latitude:	*43.455797*
Longitude:	*-79.752708*
UTM Northing:	*4,812,187.84*
UTM Easting:	*600,910.45*
UTM Zone:	*UTM Zone 17T*

Elevation: *498 FT*
151.80 M

Order Information:

Order No: *20180501114*
Date Requested: *May 1, 2018*
Requested by: *B.I.G. Consulting Inc.*
Report Type: *Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	*Abandoned Aggregate Inventory*	Y	0	0	0
AGR	*Aggregate Inventory*	Y	0	0	0
AMIS	*Abandoned Mine Information System*	Y	0	0	0
ANDR	*Anderson's Waste Disposal Sites*	Y	0	0	0
AUWR	*Automobile Wrecking & Supplies*	Y	0	0	0
BORE	*Borehole*	Y	0	0	0
CA	*Certificates of Approval*	Y	0	1	1
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
DRYCLEANERS	*Dry Cleaning Facilities*	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	0	0
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
EXP	*List of TSSA Expired Facilities*	Y	0	0	0
FCON	*Federal Convictions*	Y	0	0	0
FCS	*Contaminated Sites on Federal Land*	Y	0	0	0
FOFT	*Fisheries & Oceans Fuel Tanks*	Y	0	0	0
FST	*Fuel Storage Tank*	Y	0	0	0
FSTH	*Fuel Storage Tank - Historic*	Y	0	0	0
GEN	*Ontario Regulation 347 Waste Generators Summary*	Y	0	0	0
GHG	*Greenhouse Gas Emissions from Large Facilities*	Y	0	0	0
HINC	*TSSA Historic Incidents*	Y	0	0	0
IAFT	*Indian & Northern Affairs Fuel Tanks*	Y	0	0	0
INC	*TSSA Incidents*	Y	0	0	0
LIMO	*Landfill Inventory Management Ontario*	Y	0	0	0
MINE	*Canadian Mine Locations*	Y	0	0	0
MISA PENALTY	*Environmental Penalty Annual Report*	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
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	7	7
	Total:		0	11	11

Executive Summary: Site Report Summary - Project Property

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

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		lot 23 con 1 ON	ENE/55.0	-0.80	13
2	WWIS		lot 23 con 1 ON	ENE/70.3	-0.97	15
3	WWIS		lot 23 con 1 ON	E/105.3	-2.27	18
4	WWIS		lot 23 con 1 ON	NE/114.6	-1.95	21
5	SPL	TRANSPORT TRUCK	ON DUNDAS ST. NEAR THE 4TH LINE IN PARKING LOT OF FORMER SUNNY'S GAS BAR MOTOR VEHICLE (OPERATING FLUID) OAKVILLE TOWN ON	NW/137.8	2.09	24
5	SPL	Canex Freight Systems<UNOFFICIAL>	Dundas St at Fourth Line Oakville ON	NW/137.8	2.09	24
6	WWIS		OAKVILLE ON	W/154.2	2.90	24
7	CA	Whiteoaks Communications Group Limited	1303 Dundas Street West Oakville ON L6M 4L8	NW/187.8	1.00	26
7	ECA	Whiteoaks Communications Group Limited	1303 Dundas Street West Oakville ON L6L 7N2	NW/187.8	1.00	26
8	WWIS		lot 23 con 1 ON	N/207.9	-0.66	26
9	WWIS		OAKVILLE ON	W/249.7	3.05	29

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Whiteoaks Communications Group Limited	1303 Dundas Street West Oakville ON L6M 4L8	NW	187.83	7

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jan 31, 2018 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Whiteoaks Communications Group Limited	1303 Dundas Street West Oakville ON L6L 7N2	NW	187.83	7

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2017 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Canex Freight Systems<UNOFFICIAL>	Dundas St at Fourth Line Oakville ON	NW	137.78	5
TRANSPORT TRUCK	ON DUNDAS ST. NEAR THE 4TH LINE IN PARKING LOT OF FORMER SUNNY'S GAS BAR MOTOR VEHICLE (OPERATING FLUID) OAKVILLE TOWN ON	NW	137.78	5

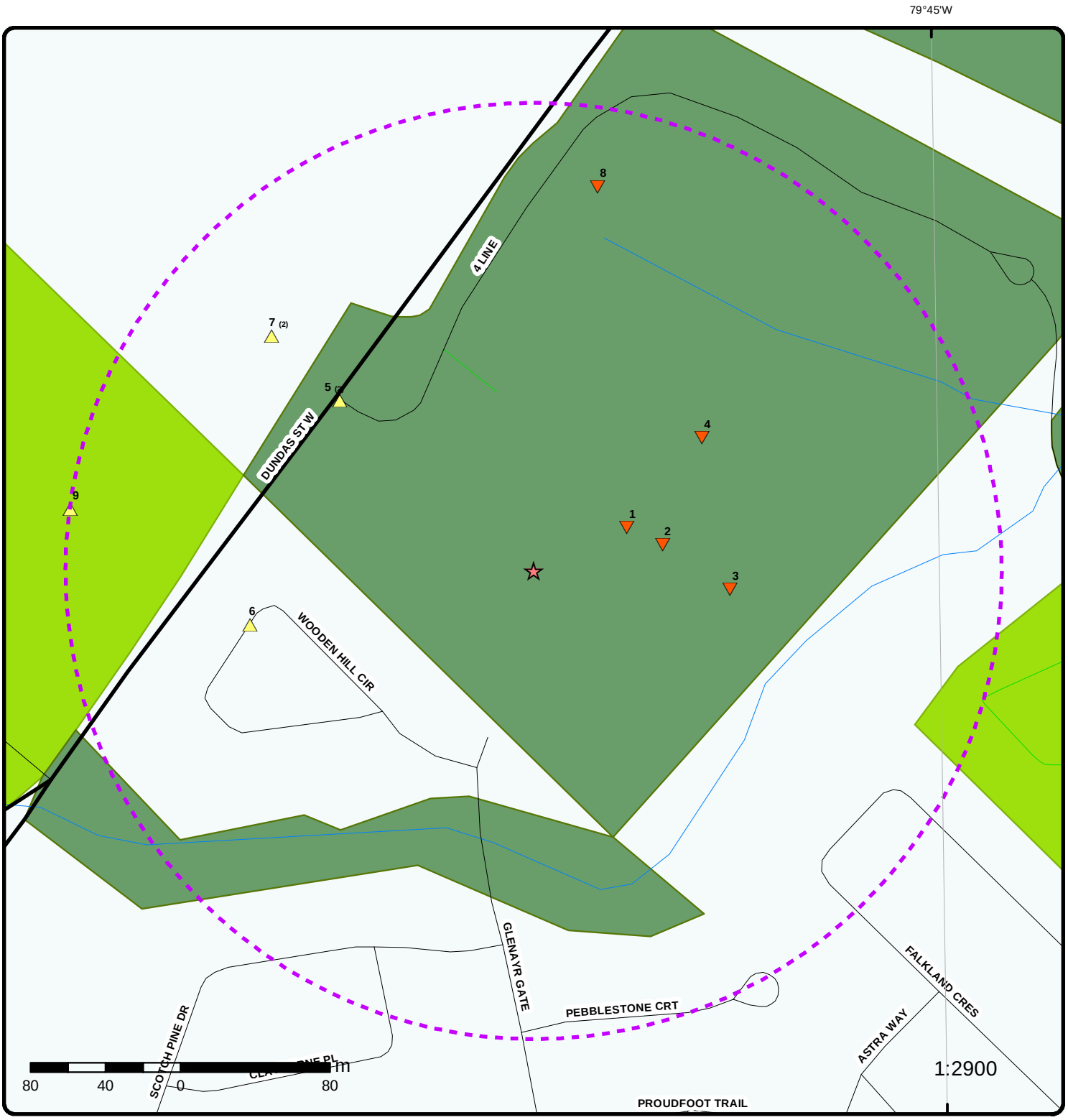
WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 7 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	OAKVILLE ON	W	154.17	6
	OAKVILLE ON	W	249.67	9

Lower Elevation	Address	Direction	Distance (m)	Map Key

lot 23 con 1 ON	ENE	54.96	1
lot 23 con 1 ON	ENE	70.26	2
lot 23 con 1 ON	E	105.34	3
lot 23 con 1 ON	NE	114.62	4
lot 23 con 1 ON	N	207.94	8



Map : 0.25 Kilometer Radius

Order No: 20180501114

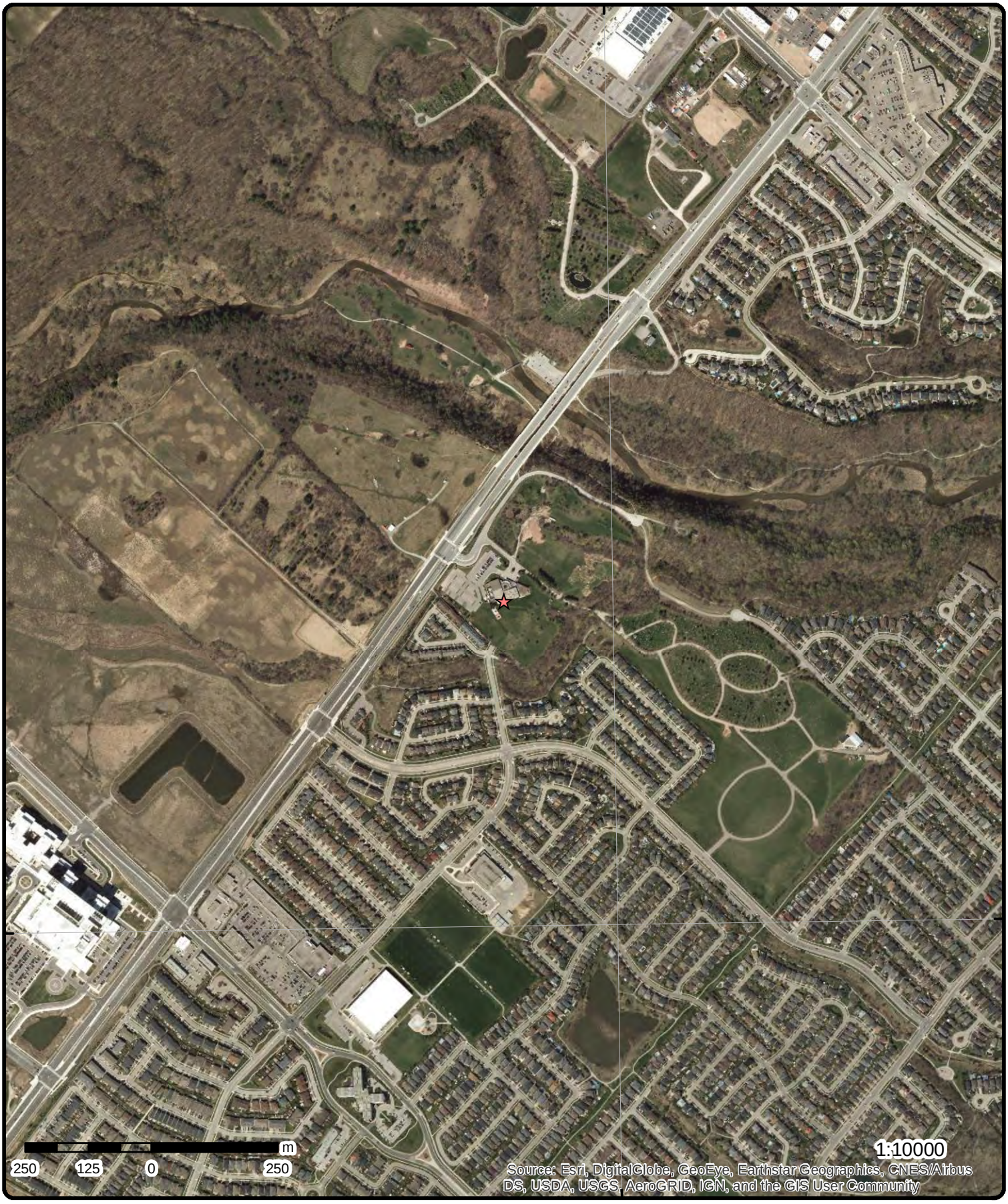
Address: 1280 Dundas St W, Oakville, ON, L6M4H9

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

Source: © 2015 DMTI Spatial Inc.

79°45'W



Aerial (2017)

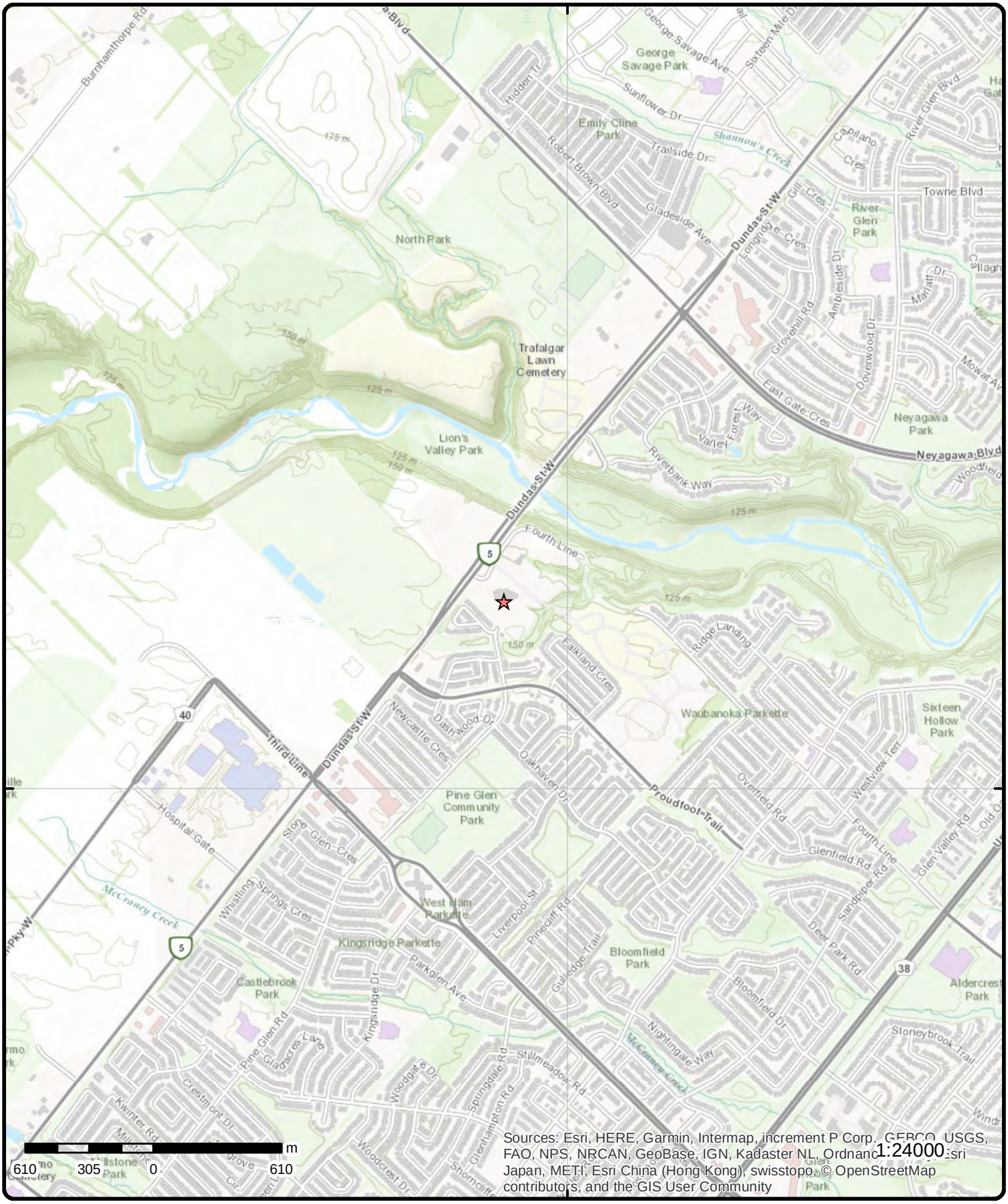
Address: 1280 Dundas St W, Oakville, ON, L6M4H9

Source: ESRI World Imagery

Order No: 20180501114

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

79°45'W



43°27'N

43°27'N

Topographic Map

Address: 1280 Dundas St W, Oakville, ON, L6M4H9

Source: ESRI World Topographic Map

Order No: 20180501114

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/55.0	151.0 / -0.80	lot 23 con 1 ON	WWIS

Well ID:	2806859	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/16/1988
Sec. Water Use:	Public	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3349
Casing Material:		**Form Version:**	1
Audit No:	17583	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	023
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	DS S
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:	10153125	**Spatial Status:**	
DP2BR:	18	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	3
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 10 - 30 m
Open Hole:		**Location Method:**	gps
Elevation:	150.91397	**Org CS:**	
Elevrc:		**Date Completed:**	10/28/1987
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931444636
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Formation Top Depth: 0.00
Formation End Depth: 1.00
Formation End Depth UOM: ft

Formation ID: 931444637
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 1.00
Formation End Depth: 18.00
Formation End Depth UOM: ft

Formation ID: 931444638
Layer: 3
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18.00
Formation End Depth: 105.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962806859
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10701695
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930260416
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930260417
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE

Depth From:	
Depth To:	105.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992806859
Pump Set At:	
Static Level:	23.00
Final Level After Pumping:	105.00
Recommended Pump Depth:	100.00
Pumping Rate:	5.00
Flowing Rate:	
Recommended Pump Rate:	1.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934177241
Test Type:	Draw Down
Test Duration:	15
Test Level:	90.00
Test Level UOM:	ft

Pump Test Detail ID:	934451280
Test Type:	Draw Down
Test Duration:	30
Test Level:	105.00
Test Level UOM:	ft

Water Details

Water ID:	933610264
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	62.00
Water Found Depth UOM:	ft

---

2 ***1 of 1*** ***ENE/70.3*** ***150.8 / -0.97*** ***lot 23 con 1 ON*** ***WWIS***

Well ID:	2806856	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Public	***Date Received:***	3/16/1988
Sec. Water Use:		***Selected Flag:***	1
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3349
Casing Material:		***Form Version:***	1
Audit No:	17581	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN

Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Site Info:
Lot: 023
Concession: 01
Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10153122
DP2BR: 16
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation: 150.850723
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps
Org CS:
Date Completed: 11/13/1987

Overburden and Bedrock Materials Interval

Formation ID: 931444627
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 1.00
Formation End Depth UOM: ft

Formation ID: 931444628
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 1.00
Formation End Depth: 16.00
Formation End Depth UOM: ft

Formation ID: 931444629
Layer: 3
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 16.00
Formation End Depth: 80.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962806856
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10701692
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930260410
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 19.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930260411
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992806856
Pump Set At:
Static Level: 21.00
Final Level After Pumping: 49.00
Recommended Pump Depth: 75.00
Pumping Rate: 5.00
Flowing Rate:
Recommended Pump Rate: 5.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934177238
Test Type: Draw Down
Test Duration: 15
Test Level: 29.00
Test Level UOM: ft

Pump Test Detail ID: 934451277
Test Type: Draw Down
Test Duration: 30
Test Level: 37.00
Test Level UOM: ft

Pump Test Detail ID: 934710015
Test Type: Draw Down
Test Duration: 45
Test Level: 44.00
Test Level UOM: ft

Pump Test Detail ID: 934971404
Test Type: Draw Down
Test Duration: 60
Test Level: 49.00
Test Level UOM: ft

Water Details

Water ID: 933610260
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 56.00
Water Found Depth UOM: ft

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3 | ***1 of 1*** | ***E/105.3*** | ***149.5 / -2.27*** | ***lot 23 con 1 ON*** | ***WWIS***

Well ID: 2806858
Construction Date:
Primary Water Use: Public
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 17584
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 3/16/1988
Selected Flag: 1
Abandonment Rec:
Contractor: 3349
Form Version: 1
Owner:
Street Name:
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot: 023
Concession: 01
Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10153124
DP2BR: 22
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Elevation: 150.726394
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps
Org CS:
Date Completed: 12/10/1987

Overburden and Bedrock Materials Interval

Formation ID: 931444633
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 1.00
Formation End Depth UOM: ft

Formation ID: 931444634
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 1.00
Formation End Depth: 22.00
Formation End Depth UOM: ft

Formation ID: 931444635
Layer: 3
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 22.00
Formation End Depth: 70.00
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962806858
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10701694
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930260414
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 23.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Casing ID: 930260415
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70.00
Casing Diameter: 6.00
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 992806858
Pump Set At:
Static Level: 25.00
Final Level After Pumping: 62.00
Recommended Pump Depth: 65.00
Pumping Rate: 5.00
Flowing Rate:
Recommended Pump Rate: 3.00
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934177240
Test Type: Recovery
Test Duration: 15
Test Level: 41.00
Test Level UOM: ft

Pump Test Detail ID: 934451279

Test Type:	Recovery
Test Duration:	30
Test Level:	25.00
Test Level UOM:	ft

Water Details

Water ID:	933610263
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58.00
Water Found Depth UOM:	ft

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4 | **1 of 1** | **NE/114.6** | **149.8 / -1.95** | **lot 23 con 1 ON** | **WWIS**

Well ID:	2806857	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:		**Date Received:**	3/16/1988
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Abandoned-Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3349
Casing Material:		**Form Version:**	1
Audit No:	17582	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	023
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	DS S
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:	10153123	**Spatial Status:**	
DP2BR:	18	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	3
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 10 - 30 m
Open Hole:		**Location Method:**	gps
Elevation:	151.019607	**Org CS:**	
Elevrc:		**Date Completed:**	11/19/1987
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931444630
Layer:	1
Color:	8
General Color:	BLACK

Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.00
Formation End Depth: 1.00
Formation End Depth UOM: ft

Formation ID: 931444631
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 1.00
Formation End Depth: 18.00
Formation End Depth UOM: ft

Formation ID: 931444632
Layer: 3
Color: 7
General Color: RED
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18.00
Formation End Depth: 79.00
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933139638
Layer: 1
Plug From: 65.00
Plug To: 79.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962806857
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10701693
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930260412
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Casing ID:	930260413
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992806857
Pump Set At:	
Static Level:	23.00
Final Level After Pumping:	65.00
Recommended Pump Depth:	60.00
Pumping Rate:	5.00
Flowing Rate:	
Recommended Pump Rate:	1.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934177239
Test Type:	Recovery
Test Duration:	15
Test Level:	50.00
Test Level UOM:	ft

Pump Test Detail ID:	934451278
Test Type:	Recovery
Test Duration:	30
Test Level:	35.00
Test Level UOM:	ft

Pump Test Detail ID:	934710016
Test Type:	Recovery
Test Duration:	45
Test Level:	23.00
Test Level UOM:	ft

Water Details

Water ID:	933610261
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.00
Water Found Depth UOM:	ft

Water ID:	933610262
Layer:	2
Kind Code:	2
Kind:	SALTY
Water Found Depth:	78.00
Water Found Depth UOM:	ft

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5 *1 of 2* *NW/137.8* *153.9 / 2.09* **SPL**

TRANSPORT TRUCK
ON DUNDAS ST. NEAR THE 4TH LINE IN
PARKING LOT OF FORMER SUNNY'S GAS BAR
MOTOR VEHICLE (OPERATING FLUID)
OAKVILLE TOWN ON

Ref No:	157796	**Sector Type:**	
Contaminant Name:		**Source Type:**	
Contaminant Code:		**Receiving Medium:**	LAND / WATER
Contaminant Limit 1:		**Receiving Env:**	
Contam Limit Freq 1:		**Environment Impact:**	NOT ANTICIPATED
Contaminant UN No 1:		**Nature of Impact:**	Other
Contaminant Qty:		**SAC Action Class:**	
Material Group:		**Year:**	
MOE Reported Dt:	7/9/1998	**Site Address:**	
Health/Env Conseq:		**Site Conc:**	
Incident Dt:	7/9/1998	**Site Lot:**	
Incident Cause:	OTHER CONTAINER LEAK	**Site County/District:**	
Incident Event:		**Site Municipality:**	14403
Incident Reason:	EQUIPMENT FAILURE	**Site Postal Code:**	
Incident Summary:	BRINKS - 100 L OF DIESEL FUEL TO PAVEMENT AND STORM SEWER FROM TRUCK.		

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5 *2 of 2* *NW/137.8* *153.9 / 2.09* **SPL**

Canex Freight Systems<UNOFFICIAL>
Dundas St at Fourth Line
Oakville ON

Ref No:	8718-A99RA2	**Sector Type:**	Miscellaneous Industrial
Contaminant Name:	DIESEL FUEL	**Source Type:**	
Contaminant Code:	13	**Receiving Medium:**	
Contaminant Limit 1:		**Receiving Env:**	Land
Contam Limit Freq 1:		**Environment Impact:**	
Contaminant UN No 1:		**Nature of Impact:**	
Contaminant Qty:	500 L	**SAC Action Class:**	Land Spills
Material Group:		**Year:**	
MOE Reported Dt:	2016/04/22	**Site Address:**	Dundas St at Fourth Line
Health/Env Conseq:		**Site Conc:**	
Incident Dt:	2016/04/22	**Site Lot:**	
Incident Cause:		**Site County/District:**	
Incident Event:	Leak/Break	**Site Municipality:**	Oakville
Incident Reason:	Other	**Site Postal Code:**	
Incident Summary:	Canex Freight Systems :~ 500L dsl to rd/ditch		

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6 *1 of 1* *W/154.2* *154.7 / 2.90* **WWIS**

OAKVILLE ON

Well ID:	2810195	**Data Entry Status:**	

Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	4/4/2005
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	6809
Casing Material:		**Form Version:**	3
Audit No:	Z11243	**Owner:**	
Tag:	A011177	**Street Name:**	WOODEN HILL CIRCLE
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
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:	11319150	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:	o	**UTMRC:**	4
Code OB Desc:	Overburden	**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	155.162475	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	3/23/2005
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933007220
Layer:	1
Color:	
General Color:	
Mat1:	23
Most Common Material:	PREVIOUSLY DUG
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933266954
Layer:	1
Plug From:	20.00
Plug To:	10.00
Plug Depth UOM:	ft

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

Plug ID: 933266953
Layer: 2
Plug From: 10.00
Plug To: 0.00
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 962810195
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11334005
Casing No: 1
Comment:
Alt Name:

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7 | **1 of 2** | **NW/187.8** | **152.8 / 1.00** | **Whiteoaks Communications Group Limited**
1303 Dundas Street West
Oakville ON L6M 4L8 | **CA**

Certificate #: 6806-6B7RXB
Application Year: 2005
Issue Date: 6/6/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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7 | **2 of 2** | **NW/187.8** | **152.8 / 1.00** | **Whiteoaks Communications Group Limited**
1303 Dundas Street West
Oakville ON L6L 7N2 | **ECA**

Approval No: 6806-6B7RXB
Approval Type: ECA-AIR
Status: Approved
Approval Date: 2005-06-06
Record Type: ECA
Project Type: AIR
Link Source: IDS
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7608-69QSR3-14.pdf

MOE District: Halton-Peel
SWP Area Name: Halton
Address: 1303 Dundas Street West
City: Oakville
Longitude: -79.75796
Latitude: 43.4600749999999

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8 | **1 of 1** | **N/207.9** | **151.1 / -0.66** | **lot 23 con 1**
ON | **WWIS**

Well ID: 2803144
Construction Date:
Primary Water Use: Public
Sec. Water Use: 0

Data Entry Status:
Data Src: 1
Date Received: 8/20/1969
Selected Flag: 1

Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4602
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	HALTON
Elevation (m):		***Municipality:***	OAKVILLE TOWN
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	023
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	DS S
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:	10149686	***Spatial Status:***	
DP2BR:	6	***Cluster Kind:***	
Code OB:	r	***UTMRC:***	4
Code OB Desc:	Bedrock	***UTMRC Desc:***	margin of error : 30 m - 100 m
Open Hole:		***Location Method:***	p4
Elevation:	153.939971	***Org CS:***	
Elevrc:		***Date Completed:***	7/21/1969
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931430901
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	6.00
Formation End Depth UOM:	ft

Formation ID:	931430902
Layer:	2
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	6.00
Formation End Depth:	54.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962803144
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10698256
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930254614
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	12.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Casing ID:	930254615
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	54.00
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992803144
Pump Set At:	
Static Level:	42.00
Final Level After Pumping:	48.00
Recommended Pump Depth:	52.00
Pumping Rate:	6.00
Flowing Rate:	
Recommended Pump Rate:	5.00
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934166056
Test Type:	Draw Down
Test Duration:	15

Test Level:	48.00
Test Level UOM:	ft
Pump Test Detail ID:	934449582
Test Type:	Draw Down
Test Duration:	30
Test Level:	48.00
Test Level UOM:	ft
Pump Test Detail ID:	934718115
Test Type:	Draw Down
Test Duration:	45
Test Level:	48.00
Test Level UOM:	ft
Pump Test Detail ID:	934969081
Test Type:	Draw Down
Test Duration:	60
Test Level:	48.00
Test Level UOM:	ft

Water Details

Water ID:	933605459
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	16.00
Water Found Depth UOM:	ft
Water ID:	933605460
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	24.00
Water Found Depth UOM:	ft

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9 ***1 of 1*** ***W/249.7*** ***154.8 / 3.05*** ***OAKVILLE ON*** ***WWIS***

Well ID:	7266230	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	7/11/2016
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7247
Casing Material:		**Form Version:**	7
Audit No:	Z226669	**Owner:**	
Tag:	A187595	**Street Name:**	1359 DUNDAS ST. W.
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	OAKVILLE TOWN
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:	1006123033	**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:	154.957305	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	4/12/2016
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006137540
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	5.00
Formation End Depth UOM:	ft

Formation ID:	1006137541
Layer:	2
Color:	4
General Color:	GREEN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	5.00
Formation End Depth:	10.00
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006137549
Layer:	1
Plug From:	0.00
Plug To:	3.00
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006137548
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006137539
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006137544
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	3.00
Casing Diameter:	2.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006137545
Layer:	1
Slot:	10
Screen Top Depth:	3.00
Screen End Depth:	10.00
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.12

Water Details

Water ID:	1006137543
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	3.00
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006137542
Diameter:	8.25
Depth From:	0.00
Depth To:	10.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Unplottable Summary

Total: 32 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	SILWELL DEV. LTD.-LOTS 15 & 16, CONC. 1	ST. 'D'/DUNDAS ST.	OAKVILLE TOWN ON	
CA	The Regional Municipality of Halton	Dundas St	Oakville ON	
CA	BAYSHIRE INVESTMENTS LIMITED	DUNDAS ST. S.W.M.	OAKVILLE TOWN ON	
CA	BROOKSTAR HOMES INC.	PT.LOT 24/CON.1,DUNDAS ST.,SWM	OAKVILLE TOWN ON	
CA		Part of Lot 25, Concession 1, S. of Dundas St.	Oakville ON	
CA	BAIF DEVELOPMENTS CORP.	PT.LOT 23/COC.1,WESTOAK TRAILS	OAKVILLE TOWN ON	
CA	The Regional Municipality of Halton	Dundas Street (Regional Road 5)	Oakville ON	
CA	West Oak Trails - Phase 6	Part of Lot 24, Concession 1, S.D.S.	Oakville ON	
CA	West Oak Trails - Phase 6	Part of Lot 24, Concession 1, S.D.S.	Oakville ON	
CA	BAIF DEVELOPMENTS CORP.	LOT 23, CONC.1,S.OF DUNDAS ST.	OAKVILLE TOWN ON	
CA	BAIF DEVELOPMENTS CORP.	LOT 23,CONC.1/S.OF DUNDAS ST.	OAKVILLE TOWN ON	
CA	MATAM HOLDINGS INC.	LOT 24/C-1,DUNDAS ST., SWM	OAKVILLE TOWN ON	
ECA	The Regional Municipality of Halton	Dundas St (from Old Bronte Road to Fourth Line)	Oakville ON	L6M 3L1
ECA	The Regional Municipality of Halton	Dundas Street (Regional Road 5)	Oakville ON	L6M 3L1
ECA	The Regional Municipality of Halton	Dundas Street (Regional Road 5)	Oakville ON	L6M 3L1
ECA	The Regional Municipality of Halton	Dundas Street (Regional Road 5)	Oakville ON	L6M 3L1
ECA	The Regional Municipality of Halton	Dundas St	Oakville ON	L6M 3L1
ECA	The Regional Municipality of Halton	Dundas St	Oakville ON	L6M 3L1

ECA	Mattamy (Proudfoot) Limited	Pond - Block 132 , Lot 23, Concession 1	Oakville ON	L6H 6M5
ECA	Melrose Investments Inc.	South of Dundas Street	Oakville ON	L6J 0A7
EHS		Dundas Street West	Oakville ON	
GEN	HALTON, REGIONAL MUNICIPALITY OF	CLOSED OAKVILLE LANDFILL SITE 4TH LINE NORTH	OAKVILLE ON	
PTTW	Enbridge Pipelines Inc.		ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WDS		S. OF DUNDAS ST	OAKVILLE ON	
WWIS			ON	

Unplottable Report

Site: ***SILWELL DEV. LTD.-LOTS 15 & 16, CONC. 1 ST. 'D'/DUNDAS ST. OAKVILLE TOWN ON***

Database: ***CA***

Certificate #:	3-0110-92-
Application Year:	92
Issue Date:	2/12/1992
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 Dundas St Oakville ON***

Database: ***CA***

Certificate #:	6286-6YFLLC
Application Year:	2007
Issue Date:	2/15/2007
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: ***BAYSHIRE INVESTMENTS LIMITED DUNDAS ST. S.W.M. OAKVILLE TOWN ON***

Database: ***CA***

Certificate #:	3-1481-92-
Application Year:	92
Issue Date:	12/1/1992
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***BROOKSTAR HOMES INC. PT.LOT 24/CON.1,DUNDAS ST.,SWM OAKVILLE TOWN ON***

Database: ***CA***

Certificate #:	3-1180-97-
Application Year:	97

Issue Date: 9/18/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***Database:*** ***CA***
Part of Lot 25, Concession 1, S. of Dundas St. Oakville ON

Certificate #: 2333-4QQQHA
Application Year: 00
Issue Date: 11/6/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: World Custom Homes Inc
Client Address:: 8700 Dufferin Street
Client City:: Concord
Client Postal Code:: L4K 4S6
Project Description:: watermains to be constructed on Third Line
Contaminants::
Emission Control::

Site: ***BAIF DEVELOPMENTS CORP.*** ***Database:*** ***CA***
PT.LOT 23/COC.1,WESTOAK TRAILS OAKVILLE TOWN ON

Certificate #: 3-1340-96-
Application Year: 96
Issue Date: 12/2/1996
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*** ***Database:*** ***CA***
Dundas Street (Regional Road 5) Oakville ON

Certificate #: 7683-8LBNUQ
Application Year: 2011
Issue Date: 9/23/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***West Oak Trails - Phase 6***
Part of Lot 24, Concession 1, S.D.S. Oakville ON

Database: ***CA***

Certificate #: 0415-4QTGXD
Application Year: 00
Issue Date: 11/6/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Matam Holdings Inc.
Client Address:: 2360 Bristol Circle
Client City:: Oakville
Client Postal Code:: L6H 6M5
Project Description:: Storm and sanitary sewers to be constructed on Glenayr Gate and Street 'N'.
Contaminants::
Emission Control::

Site: ***West Oak Trails - Phase 6***
Part of Lot 24, Concession 1, S.D.S. Oakville ON

Database: ***CA***

Certificate #: 8374-4QTH4Q
Application Year: 00
Issue Date: 11/6/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Matam Holdings Inc.
Client Address:: 2360 Bristol Circle
Client City:: Oakville
Client Postal Code:: L6H 6M5
Project Description:: Watermains to be constructed on Glenayr Gate and Street N
Contaminants::
Emission Control::

Site: ***BAIF DEVELOPMENTS CORP.***
LOT 23, CONC.1,S.OF DUNDAS ST. OAKVILLE TOWN ON

Database: ***CA***

Certificate #: 7-1074-96-
Application Year: 96
Issue Date: 11/18/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BAIF DEVELOPMENTS CORP.***
LOT 23,CONC.1/S.OF DUNDAS ST. OAKVILLE TOWN ON

Database: ***CA***

Certificate #: 3-1344-96-
Application Year: 96
Issue Date: 11/18/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::

Contaminants::
Emission Control::

Site: ***MATAM HOLDINGS INC.***
LOT 24/C-1,DUNDAS ST., SWM OAKVILLE TOWN ON

Database: ***CA***

Certificate #: 3-1576-97-
Application Year: 97
Issue Date: 12/9/1997
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***
Dundas St (from Old Bronte Road to Fourth Line) Oakville ON L6M 3L1

Database: ***ECA***

Approval No: 3909-9P4P7H
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Status: Approved
Approval Date: 2014-09-29
Record Type: ECA
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Link Source: IDS
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9980-9NDP2V-14.pdf

MOE District:
SWP Area Name:
Address: Dundas St (from Old Bronte Road to Fourth Line)
City: Oakville
Longitude:
Latitude:

Site: ***The Regional Municipality of Halton***
Dundas Street (Regional Road 5) Oakville ON L6M 3L1

Database: ***ECA***

Approval No: 7683-8LBNUQ
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Status: Approved
Approval Date: 2011-09-23
Record Type: ECA
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Link Source: IDS
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5398-8LARP7-14.pdf

MOE District:
SWP Area Name:
Address: Dundas Street (Regional Road 5)
City: Oakville
Longitude:
Latitude:

Site: ***The Regional Municipality of Halton***
Dundas Street (Regional Road 5) Oakville ON L6M 3L1

Database: ***ECA***

Approval No: 5144-9VYPUD
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Status: Revoked and/or Replaced
Approval Date: 2015-04-30
Record Type: ECA
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Link Source: IDS
Full Address:

MOE District:
SWP Area Name:
Address: Dundas Street (Regional Road 5)
City: Oakville
Longitude:
Latitude:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3332-9MKHUQ-14.pdf

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Site: ***The Regional Municipality of Halton***
Dundas Street (Regional Road 5) Oakville ON L6M 3L1

Database: ***ECA***

Approval No:	1689-ACRL59	***MOE District:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS	***SWP Area Name:***	
Status:	Approved	***Address:***	Dundas Street (Regional Road 5)
Approval Date:	2016-08-15	***City:***	Oakville
Record Type:	ECA	***Longitude:***	
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS	***Latitude:***	
Link Source:	IDS		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5930-A6DTKG-14.pdf		

Site: ***The Regional Municipality of Halton***
Dundas St Oakville ON L6M 3L1

Database: ***ECA***

Approval No:	9133-8PBLUJ	***MOE District:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS	***SWP Area Name:***	
Status:	Approved	***Address:***	Dundas St
Approval Date:	2012-01-31	***City:***	Oakville
Record Type:	ECA	***Longitude:***	
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS	***Latitude:***	
Link Source:	IDS		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8212-8GZQZK-14.pdf		

Site: ***The Regional Municipality of Halton***
Dundas St Oakville ON L6M 3L1

Database: ***ECA***

Approval No:	6286-6YFLLC	***MOE District:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS	***SWP Area Name:***	
Status:	Approved	***Address:***	Dundas St
Approval Date:	2007-02-15	***City:***	Oakville
Record Type:	ECA	***Longitude:***	
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS	***Latitude:***	
Link Source:	IDS		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1463-6YCPRC-14.pdf		

Site: ***Mattamy (Proudfoot) Limited***
Pond - Block 132 , Lot 23, Concession 1 Oakville ON L6H 6M5

Database: ***ECA***

Approval No:	8871-9KRLHS	***MOE District:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS	***SWP Area Name:***	
Status:	Approved	***Address:***	Pond - Block 132 , Lot 23, Concession 1
Approval Date:	2014-06-25	***City:***	Oakville
Record Type:	ECA	***Longitude:***	
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS	***Latitude:***	
Link Source:	IDS		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0382-9GQQMF-14.pdf		

Site: ***Melrose Investments Inc.***
South of Dundas Street Oakville ON L6J 0A7

Database: ***ECA***

Approval No:	2513-9BHJA5	***MOE District:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS	***SWP Area Name:***	
Status:	Approved	***Address:***	South of Dundas Street
Approval Date:	2013-09-30	***City:***	Oakville
Record Type:	ECA	***Longitude:***	
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS	***Latitude:***	
Link Source:	IDS		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3399-9B9J9E-14.pdf		

Site:
Dundas Street West Oakville ON

Database: ***EHS***

Order ID:	178617	***Date Received:***	10/15/2010 10:15:23 AM
Order No:	20101015006	***Lot/Building Size:***	
Customer ID:	43527	***Municipality:***	Halton
Company ID:	189	***Client Prov/State:***	ON
Status:	C	***Search Radius (km):***	0.25
Report Code:	4CAN	***Large Radius:***	0.25
Report Type:	Custom Report	***X:***	-79.773869
Report Date:	10/25/2010	***Y:***	1
Report Requested by:	Dillon Consulting Limited		
Nearest Intersection:	Third Line and Dundas Street West		
Previous Site Name:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory		

Site: ***HALTON, REGIONAL MUNICIPALITY OF***
CLOSED OAKVILLE LANDFILL SITE 4TH LINE NORTH OAKVILLE ON

Database: ***GEN***

Generator No.:	ON0277100	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	98,99,00,01	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	4999		
SIC Description:	OTHER UTILITY IND.		

--Details--

Waste Code:	149
Waste Description:	LANDFILL LEACHATES

Site: ***Enbridge Pipelines Inc.***
ON

Database: ***PTTW***

EBR Registry No.:	012-5396
Ministry Ref. No.:	3204-A32LJ3
Notice Type:	Instrument Decision
Notice Date:	February 24, 2017
Proposal Date:	October 13, 2015
Year:	2015
Proponent Address:	10130 103 Street, Edmonton Alberta, Canada T5J 3N7
Instrument Type:	(OWRA s. 34) - Permit to Take Water
Location:	Lot: 2 to 7, Concession: Range 4 North of Dundas Street, Geographic Township: TORONTO, Mississauga, City, Regional Municipality of Peel Lot: 1 to 2 and 7 to 8, Concession: Range 5 North of Dundas Street, Geographic Township: TORONTO, Mississauga, City, Regional Municipality of Peel Lot: 1 to 7, Concession: 2 North of Dundas Street, Geographic Township: TRAFALGAR, Oakville, Town, Regional Municipality of Halton Lot: 11 to 24 and 31 to 35, Concession: 2 North of Dundas Street, Geographic Township: TORONTO, Mississauga, City, Regional Municipality of Peel CITY OF MISSISSAUGA TOWN OF OAKVILLE
Location Other:	

Site:

S. OF DUNDAS ST OAKVILLE ON

Database: ***WDS***

Certificate No:	A210406	***Facility Type:***	Landfill
Mob Unit Cert No:		***Site Concession:***	4 AND 3, SDS
EBR Registry No:		***Site Region/County:***	
Status:	Approved	***Total Area (ha):***	16.65
Application Status:		***Landfill Cap (m³):***	0
Issue Date:	08/10/1971	***Landfill Ctrl Type:***	
Input Date:	11/18/93	***Est Closure Date:***	
Date Received:	1/6/86	***Transfer Area (ha):***	0
Record Type:		***Transfer Cap (m³):***	0
Project Type:		***Transfer Cert No:***	
Approval Type:		***Inciner. Area (ha):***	0
SWP Area Name:		***Inciner. Cap (t):***	0
MOE District:		***Process Area (m³):***	0
Latitude:		***Process Cap (m³/d):***	0
Longitude:		***Process Vol (m³):***	0
Link Source:		***Process Feed (m³):***	0
Proponent:	SHELL CANADA LTD. (OAKVILLE)	***Mobile Units:***	
Prop Address:	OAKVILLE REGINERY, BOX 308	***Mobile Description:***	
Prop City:	OAKVILLE, ONTARIO	***Mobile Capacity:***	0
Prop Postal:	L6V-5A5	***Serial Link:***	210406
Prop Phone:		***District Office:***	Halton-Peel

Proponent County/District:
Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE IS NO CONDITIONS IN THE CERTIFICATE
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Other Approvals/Permits:
PDF URL:

Site:

S. OF DUNDAS ST OAKVILLE ON

Database: ***WDS***

Certificate No:	A210406	***Facility Type:***	Landfill
Mob Unit Cert No:		***Site Concession:***	4 AND 3, SDS
EBR Registry No:		***Site Region/County:***	
Status:	Approved	***Total Area (ha):***	16.65
Application Status:		***Landfill Cap (m³):***	0
Issue Date:	08/31/1976	***Landfill Ctrl Type:***	
Input Date:	11/18/93	***Est Closure Date:***	
Date Received:	1/6/86	***Transfer Area (ha):***	0
Record Type:		***Transfer Cap (m³):***	0
Project Type:		***Transfer Cert No:***	
Approval Type:		***Inciner. Area (ha):***	0
SWP Area Name:		***Inciner. Cap (t):***	0
MOE District:		***Process Area (m³):***	0
Latitude:		***Process Cap (m³/d):***	0
Longitude:		***Process Vol (m³):***	0
Link Source:		***Process Feed (m³):***	0
Proponent:	SHELL CANADA LTD. (OAKVILLE)	***Mobile Units:***	
Prop Address:	OAKVILLE REGINERY, BOX 308	***Mobile Description:***	
Prop City:	OAKVILLE, ONTARIO	***Mobile Capacity:***	0
Prop Postal:	L6V-5A5	***Serial Link:***	210406
Prop Phone:		***District Office:***	Halton-Peel

Proponent County/District:
Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3

Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE IS NO CONDITIONS IN THE CERTIFICATE
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Other Approvals/Permits:
PDF URL:

Site:
S. OF DUNDAS ST OAKVILLE ON

Database: ***WDS***

Certificate No: A210406
Mob Unit Cert No:
EBR Registry No:
Status: Approved
Application Status:
Issue Date: 06/16/1974
Input Date: 11/18/93
Date Received: 1/6/86
Record Type:
Project Type:
Approval Type:
SWP Area Name:
MOE District:
Latitude:
Longitude:
Link Source:
Proponent: SHELL CANADA LTD. (OAKVILLE)
Prop Address: OAKVILLE REGINERY, BOX 308
Prop City: OAKVILLE, ONTARIO
Prop Postal: L6V-5A5
Prop Phone:
Proponent County/District:

Facility Type: Landfill
Site Concession: 4 AND 3, SDS
Site Region/County:
Total Area (ha): 16.65
Landfill Cap (m³): 0
Landfill Ctrl Type:
Est Closure Date:
Transfer Area (ha): 0
Transfer Cap (m³): 0
Transfer Cert No:
Incliner. Area (ha): 0
Incliner. Cap (t): 0
Process Area (m³): 0
Process Cap (m³/d): 0
Process Vol (m³): 0
Process Feed (m³): 0
Mobile Units:
Mobile Description:
Mobile Capacity: 0
Serial Link: 210406
District Office: Halton-Peel

Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE IS NO CONDITIONS IN THE CERTIFICATE
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Other Approvals/Permits:
PDF URL:

Site:
S. OF DUNDAS ST OAKVILLE ON

Database: ***WDS***

Certificate No: A210406
Mob Unit Cert No:
EBR Registry No:
Status: Approved
Application Status:
Issue Date: 07/06/1972
Input Date: 11/18/93
Date Received: 1/6/86

Facility Type: Landfill
Site Concession: 4 AND 3, SDS
Site Region/County:
Total Area (ha): 16.65
Landfill Cap (m³): 0
Landfill Ctrl Type:
Est Closure Date:
Transfer Area (ha): 0

Record Type:		***Transfer Cap (m³):***	0
Project Type:		***Transfer Cert No:***	
Approval Type:		***Inciner. Area (ha):***	0
SWP Area Name:		***Inciner. Cap (t):***	0
MOE District:		***Process Area (m³):***	0
Latitude:		***Process Cap (m³/d):***	0
Longitude:		***Process Vol (m³):***	0
Link Source:		***Process Feed (m³):***	0
Proponent:	SHELL CANADA LTD. (OAKVILLE)	***Mobile Units:***	
Prop Address:	OAKVILLE REGINERY, BOX 308	***Mobile Description:***	
Prop City:	OAKVILLE, ONTARIO	***Mobile Capacity:***	0
Prop Postal:	L6V-5A5	***Serial Link:***	210406
Prop Phone:		***District Office:***	Halton-Peel

Proponent County/District:
Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE IS NO CONDITIONS IN THE CERTIFICATE
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Other Approvals/Permits:
PDF URL:

Site:
S. OF DUNDAS ST OAKVILLE ON

Database: ***WDS***

Certificate No:	A210406	***Facility Type:***	Landfill
Mob Unit Cert No:		***Site Concession:***	4 AND 3, SDS
EBR Registry No:		***Site Region/County:***	
Status:	Approved	***Total Area (ha):***	16.65
Application Status:		***Landfill Cap (m³):***	0
Issue Date:	01/02/1986	***Landfill Ctrl Type:***	
Input Date:	11/18/93	***Est Closure Date:***	
Date Received:	1/6/86	***Transfer Area (ha):***	0
Record Type:		***Transfer Cap (m³):***	0
Project Type:		***Transfer Cert No:***	
Approval Type:		***Inciner. Area (ha):***	0
SWP Area Name:		***Inciner. Cap (t):***	0
MOE District:		***Process Area (m³):***	0
Latitude:		***Process Cap (m³/d):***	0
Longitude:		***Process Vol (m³):***	0
Link Source:		***Process Feed (m³):***	0
Proponent:	SHELL CANADA LTD. (OAKVILLE)	***Mobile Units:***	
Prop Address:	OAKVILLE REGINERY, BOX 308	***Mobile Description:***	
Prop City:	OAKVILLE, ONTARIO	***Mobile Capacity:***	0
Prop Postal:	L6V-5A5	***Serial Link:***	210406
Prop Phone:		***District Office:***	Halton-Peel

Proponent County/District:
Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE IS 1 CONDITION IN THE CERTIFICATE AND ALSO SCHEDULE "A" IS ATTACHED.
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970

Other Approvals/Permits:
PDF URL:

Site:
S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No:	A210406	***Facility Type:***	Landfill
Mob Unit Cert No:		***Site Concession:***	4 AND 3, SDS
EBR Registry No:		***Site Region/County:***	
Status:	Approved	***Total Area (ha):***	16.65
Application Status:		***Landfill Cap (m³):***	0
Issue Date:	10/10/1975	***Landfill Ctrl Type:***	
Input Date:	11/18/93	***Est Closure Date:***	
Date Received:	1/6/86	***Transfer Area (ha):***	0
Record Type:		***Transfer Cap (m³):***	0
Project Type:		***Transfer Cert No:***	
Approval Type:		***Inciner. Area (ha):***	0
SWP Area Name:		***Inciner. Cap (t):***	0
MOE District:		***Process Area (m³):***	0
Latitude:		***Process Cap (m³/d):***	0
Longitude:		***Process Vol (m³):***	0
Link Source:		***Process Feed (m³):***	0
Proponent:	SHELL CANADA LTD. (OAKVILLE)	***Mobile Units:***	
Prop Address:	OAKVILLE REGINERY, BOX 308	***Mobile Description:***	
Prop City:	OAKVILLE, ONTARIO	***Mobile Capacity:***	0
Prop Postal:	L6V-5A5	***Serial Link:***	210406
Prop Phone:		***District Office:***	Halton-Peel

Proponent County/District:
Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE IS NO CONDITIONS IN THE CERTIFICATE
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Other Approvals/Permits:
PDF URL:

Site:
S. OF DUNDAS ST OAKVILLE ON

Database:
WDS

Certificate No:	A210406	***Facility Type:***	Landfill
Mob Unit Cert No:		***Site Concession:***	4 AND 3, SDS
EBR Registry No:		***Site Region/County:***	
Status:	Approved	***Total Area (ha):***	16.65
Application Status:		***Landfill Cap (m³):***	0
Issue Date:	07/24/1973	***Landfill Ctrl Type:***	
Input Date:	11/18/93	***Est Closure Date:***	
Date Received:	1/6/86	***Transfer Area (ha):***	0
Record Type:		***Transfer Cap (m³):***	0
Project Type:		***Transfer Cert No:***	
Approval Type:		***Inciner. Area (ha):***	0
SWP Area Name:		***Inciner. Cap (t):***	0
MOE District:		***Process Area (m³):***	0
Latitude:		***Process Cap (m³/d):***	0
Longitude:		***Process Vol (m³):***	0
Link Source:		***Process Feed (m³):***	0
Proponent:	SHELL CANADA LTD. (OAKVILLE)	***Mobile Units:***	
Prop Address:	OAKVILLE REGINERY, BOX 308	***Mobile Description:***	
Prop City:	OAKVILLE, ONTARIO	***Mobile Capacity:***	0
Prop Postal:	L6V-5A5	***Serial Link:***	210406

Prop Phone: ***District Office:*** Halton-Peel
Proponent County/District:
Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE IS NO CONDITIONS IN THE CERTIFICATE
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Other Approvals/Permits:
PDF URL:

Site: ***Database:*** ***WDS***

S. OF DUNDAS ST OAKVILLE ON

Certificate No: A210406 ***Facility Type:*** Landfill
Mob Unit Cert No: ***Site Concession:*** 4 AND 3, SDS
EBR Registry No: ***Site Region/County:***
Status: Approved ***Total Area (ha):*** 16.65
Application Status: ***Landfill Cap (m³):*** 0
Issue Date: 04/17/1980 ***Landfill Ctrl Type:***
Input Date: 11/18/93 ***Est Closure Date:***
Date Received: 1/6/86 ***Transfer Area (ha):*** 0
Record Type: ***Transfer Cap (m³):*** 0
Project Type: ***Transfer Cert No:***
Approval Type: ***Inciner. Area (ha):*** 0
SWP Area Name: ***Inciner. Cap (t):*** 0
MOE District: ***Process Area (m³):*** 0
Latitude: ***Process Cap (m³/d):*** 0
Longitude: ***Process Vol (m³):*** 0
Link Source: ***Process Feed (m³):*** 0
Proponent: SHELL CANADA LTD. (OAKVILLE) ***Mobile Units:***
Prop Address: OAKVILLE REGINERY, BOX 308 ***Mobile Description:***
Prop City: OAKVILLE, ONTARIO ***Mobile Capacity:*** 0
Prop Postal: L6V-5A5 ***Serial Link:*** 210406
Prop Phone: ***District Office:*** Halton-Peel
Proponent County/District:
Site Lot: 34 AND 35, PT. DWG. 467-79-1 AND 467-79-3
Full Address:
Landfill Monitoring:
Waste Type: non-hazardous solid-industrial, liquid industrial
Waste Type Other: No
Waste Class: 201
Waste Class Code: 201
Project Description:
Municipalities Served: POPULATION N/A
Site Closing Description: THERE ARE 2 CONDITIONS IN THE CERTIFICATE AND THERE IS ALSO THE SCHEDULE "B".
Approval Description:
Waste Description: 100% INDUSTRIAL WASTE, TOTOAL 25 - 50 TONNES PER YEAR. DATA TAKEN FROM APPLICATION DATED: 12/1970
Other Approvals/Permits:
PDF URL:

Site: ***Database:*** ***WWIS***

ON

Well ID: 7135531 ***Data Entry Status:***
Construction Date: ***Data Src:***
Primary Water Use: ***Date Received:*** 6/11/2009
Sec. Water Use: ***Selected Flag:*** 1
Final Well Status: 0 ***Abandonment Rec:***

Water Type:
Casing Material:
Audit No: C00376
Tag: A084830
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Contractor: 7295
Form Version: 5
Owner:
Street Name: DUNDAS ST W
County: HALTON
Municipality: OAKVILLE TOWN
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002867153
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 3/19/2009

Annular Space/Abandonment Sealing Record

Plug ID: 1002867157
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002867156
Method Construction Code:
Method Construction:
Other Method Construction: BORING

Pipe Information

Pipe ID: 1002867158
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002867160
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 4.57
Casing Diameter:

Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002867159
Layer:
Slot:
Screen Top Depth: 4.57
Screen End Depth: 7.62
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002867161
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002867155
Diameter: 7.62
Depth From:
Depth To: 7.62
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002867035
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Spatial Status:
Cluster Kind:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 4/6/2009

Method of Construction & Well Use

Method Construction ID: 1002867207
Method Construction Code:
Method Construction:

Other Method Construction:

Bore Hole Information

Bore Hole ID: 1002867189
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 4/3/2009

Annular Space/Abandonment Sealing Record

Plug ID: 1002867193
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002867192
Method Construction Code:
Method Construction:
Other Method Construction: BORING

Pipe Information

Pipe ID: 1002867194
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002867196
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.21
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002867195
Layer:
Slot:
Screen Top Depth: 10.21
Screen End Depth: 12.19
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:

Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002867197
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002867191
Diameter: 7.62
Depth From:
Depth To: 12.19
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002867135
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 3/20/2009

Annular Space/Abandonment Sealing Record

Plug ID: 1002867139
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002867138
Method Construction Code:
Method Construction:
Other Method Construction: BORING

Pipe Information

Pipe ID: 1002867140
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002867142
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 4.57
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002867141
Layer:
Slot:
Screen Top Depth: 4.57
Screen End Depth: 7.62
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002867143
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002867137
Diameter: 7.62
Depth From:
Depth To: 7.62
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002867144
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83

Elevrc: ***Date Completed:*** 3/18/2009
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 1002867148
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002867147
Method Construction Code:
Method Construction:
Other Method Construction: BORING

Pipe Information

Pipe ID: 1002867149
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002867151
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 4.57
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002867150
Layer:
Slot:
Screen Top Depth: 4.57
Screen End Depth: 6.10
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002867152
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:

Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002867146
Diameter: 7.62
Depth From:
Depth To: 6.10
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002867171
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 4/6/2009

Annular Space/Abandonment Sealing Record

Plug ID: 1002867175
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002867174
Method Construction Code:
Method Construction:
Other Method Construction: BORING

Pipe Information

Pipe ID: 1002867176
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002867178
Layer:

Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 4.27
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002867177
Layer:
Slot:
Screen Top Depth: 4.27
Screen End Depth: 7.32
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002867179
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002867173
Diameter: 7.62
Depth From:
Depth To: 7.32
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002867162
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 3/20/2009

Annular Space/Abandonment

Sealing Record

Plug ID:	1002867166
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1002867165
Method Construction Code:	
Method Construction:	
Other Method Construction:	BORING

Pipe Information

Pipe ID:	1002867167
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002867169
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	6.10
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002867168
Layer:	
Slot:	
Screen Top Depth:	6.10
Screen End Depth:	7.62
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1002867170
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	
Rate UOM:	
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID: 1002867164
Diameter: 7.62
Depth From:
Depth To: 7.62
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002867180
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 4/6/2009

Annular Space/Abandonment Sealing Record

Plug ID: 1002867184
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002867183
Method Construction Code:
Method Construction:
Other Method Construction: BORING

Pipe Information

Pipe ID: 1002867185
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002867187
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 4.42
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002867186
Layer:
Slot:
Screen Top Depth: 4.42
Screen End Depth: 7.47
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002867188
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002867182
Diameter: 7.62
Depth From:
Depth To: 7.47
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002867198
DP2BR:
Code OB:
Code OB Desc:
Open Hole:
Elevation:
Elevrc:
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Spatial Status:
Cluster Kind: This is a record from cluster log sheet
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr
Org CS: UTM83
Date Completed: 3/27/2009

Annular Space/Abandonment Sealing Record

Plug ID: 1002867202
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002867201
Method Construction Code:
Method Construction:
Other Method Construction: BORING

Pipe Information

Pipe ID: 1002867203
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002867205
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 9.15
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002867204
Layer:
Slot:
Screen Top Depth: 9.15
Screen End Depth: 13.26
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002867206
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002867200
Diameter: 7.62
Depth From:
Depth To: 13.26
Hole Depth UOM: m
Hole Diameter UOM: cm

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-Jan 31, 2018

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-Jan 31, 2018

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-Feb 28, 2018

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-Nov 30, 2017

Dry Cleaning Facilities: Federal DRYCLEANERS

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

Government Publication Date: Jan 2004-Dec 2016

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-Jan 31, 2018

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-Feb 28, 2018

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-Jan 31, 2018

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-Feb 28, 2018

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-Dec 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-December 31, 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*

Environmental Penalty Annual Report: Provincial MISA PENALTY

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

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-Jan 2018

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, 2016

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 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-December 31, 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-Feb 28, 2018

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-Feb 28, 2018

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-Jan 31, 2018

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-Sep 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-Dec 31, 2016

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 2011-Jan 31, 2018

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 D: CITY DIRECTORY SUMMARY

Copy Service Canada
www.lgicscanada.com
alantos@lgicscanada.com
Phone : 613 875-7387

City Directory Information Source
Polk Halton Peel, Ontario Criss-Cross City Directory

PROJECT NUMBER: BIGC-GEO-185B	
Site Address:	1280 Dundas Street West, Oakville, Ontario
Year: 2000	
Site Listing:	-St Volodymyr Cultural Centre -St Volodymyr Ukrainian Cemetery
Adjacent Properties:	
Dundas Street West (1200-1325)	-No Listings In Radius
Fourth Line (2440-2480)	2477-Single Tenant Residential
Glenayr Gate (All)	-Street Not Listed
Wooden Hill Circle (All)	-Street Not Listed

PROJECT NUMBER: BIGC-GEO-185B	
Site Address:	1280 Dundas Street West, Oakville, Ontario
Year: 1989	
Site Listing:	-Ukrainian Orthodox Centre -Single Tenant Residential
Adjacent Properties:	
Dundas Street West (1200-1325)	-No Listings In Radius
Fourth Line (2440-2480)	2477-Single Tenant Residential
Glenayr Gate (All)	-Street Not Listed
Wooden Hill Circle (All)	-Street Not Listed

PROJECT NUMBER: BIGC-GEO-185B	
Site Address:	1280 Dundas Street West, Oakville, Ontario
Year: 1981	
Site Listing:	-Address Not Listed
Adjacent Properties:	

Dundas Street West (1200-1325)	-No Listings In Radius
Fourth Line (2440-2480)	2477-Single Tenant Residential
Glenayr Gate (All)	-Street Not Listed
Wooden Hill Circle (All)	-Street Not Listed

PROJECT NUMBER: BIGC-GEO-185B	
Site Address:	1280 Dundas Street West, Oakville, Ontario
Year: 1971	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dundas Street West (1200-1325)	-Street Not Listed
Fourth Line (2440-2480)	-No Listings In Radius
Glenayr Gate (All)	-Street Not Listed
Wooden Hill Circle (All)	-Street Not Listed

PROJECT NUMBER: BIGC-GEO-185B	
Site Address:	1280 Dundas Street West, Oakville, Ontario
Year: 1958	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Dundas Street West (1200-1325)	-Street Not Listed
Fourth Line (2440-2480)	-No Listings In Radius
Glenayr Gate (All)	-Street Not Listed
Wooden Hill Circle (All)	-Street Not Listed

APPENDIX E: OTHER GOVERNMENT RECORDS

From: Public Information Services <publicinformationservices@tssa.org>
Sent: May-04-18 2:06 PM
To: Eileen Liu <eliu@brownfieldigi.com>
Subject: RE: Request for Environmental Information - No Record Found

No Record Found (Fuel Storage Tanks only)

Hello,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Connie

From: Eileen Liu <eliu@brownfieldigi.com>
Sent: May 3, 2018 4:22 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Request for Environmental Information

Good afternoon Madam/Sir,

I would like to submit a request for Environmental Information for the following properties in Oakville, Ontario:

1. 1280 Dundas Street West
2. 2440-2450 Wooden Hill Cir (even number only)
3. 1388 Dundas Street West
4. 2450 Falkland Crescent
5. 2469-2521 Falkland Crescent (odd number only)

As part of our historical review for a Phase I ESA, I am requesting that the Technical Standards and Safety Authority (TSSA), Safety Fuel Division, review its database to identify to us any records of aboveground/underground storage tanks, spills, incidents, complaints, notices, tanks removals and/or remediation, etc. with the TSSA for the above-mentioned site.

Your earliest attention to this matter is much appreciated. For your convenience, you may email me or call me with any information you may have for the properties.

Best Regards,

Eileen Liu

Eileen Liu, M. Env.Sc, GIT
Environmental Scientist

Brownfield Investment Group Inc.
250 Vaughan Valley Blvd, Unit 2
Vaughan, Ontario, L4H 3C3, Canada
Direct: 647-200-6433
Office: 416-214-4880
Fax: 905-856-7327
Email: eliu@brownfieldigi.com
www.brownfieldigi.com

APPENDIX F: AERIAL PHOTOGRAPHS

B.I.G. CONSULTING INC.

t: (416) 214 - 4880 f: (905) 856 - 7327
12-5500 Tomken Rd.
Misissauga, ON L4W 2Z4
Canada

bigconsultinginc.com

LEGEND

APPROXIMATE SITE BOUNDARY

IMAGERY SOURCED FROM LGI COPY SERVICES, DATED 1934

TITLE AND LOCATION

1934 AERIAL PHOTOGRAPH
PHASE I ESA
1280 DUNDAS STREET WEST,
OAKVILLE, ONTARIO

PROJECT NO.	DWN.
BIGC-GEO-185B	S.M.
SCALE	CK.
NOT TO SCALE	E.L.
DATE	FIG NO.
MAY 2018	F-1

B.I.G. CONSULTING INC.

t: (416) 214 - 4880 f: (905) 856 - 7327
12-5500 Tomken Rd.
Misissauga, ON L4W 2Z4
Canada

bigconsultinginc.com

LEGEND

APPROXIMATE SITE BOUNDARY

IMAGERY SOURCED FROM LGI COPY SERVICES, DATED 1965

TITLE AND LOCATION

1965 AERIAL PHOTOGRAPH
PHASE I ESA
1280 DUNDAS STREET WEST,
OAKVILLE, ONTARIO

PROJECT NO.	DWN.
BIGC-GEO-185B	S.M.
SCALE	CK.
NOT TO SCALE	E.L.
DATE	FIG NO.
MAY 2018	F-2

B.I.G. CONSULTING INC.

t: (416) 214 - 4880 f: (905) 856 - 7327
12-5500 Tomken Rd.
Misissauga, ON L4W 2Z4
Canada

bigconsultinginc.com

LEGEND

APPROXIMATE SITE BOUNDARY

IMAGERY SOURCED FROM LGI COPY SERVICES, DATED 1985

TITLE AND LOCATION

1985 AERIAL PHOTOGRAPH
PHASE I ESA
1280 DUNDAS STREET WEST,
OAKVILE, ONTARIO

PROJECT NO.	DWN.
BIGC-GEO-185B	S.M.
SCALE	CK.
NOT TO SCALE	E.L.
DATE	FIG NO.
MAY 2018	F-3

B.I.G. CONSULTING INC.

t: (416) 214 - 4880 f: (905) 856 - 7327
12-5500 Tomken Rd.
Misissauga, ON L4W 2Z4
Canada

bigconsultinginc.com

LEGEND

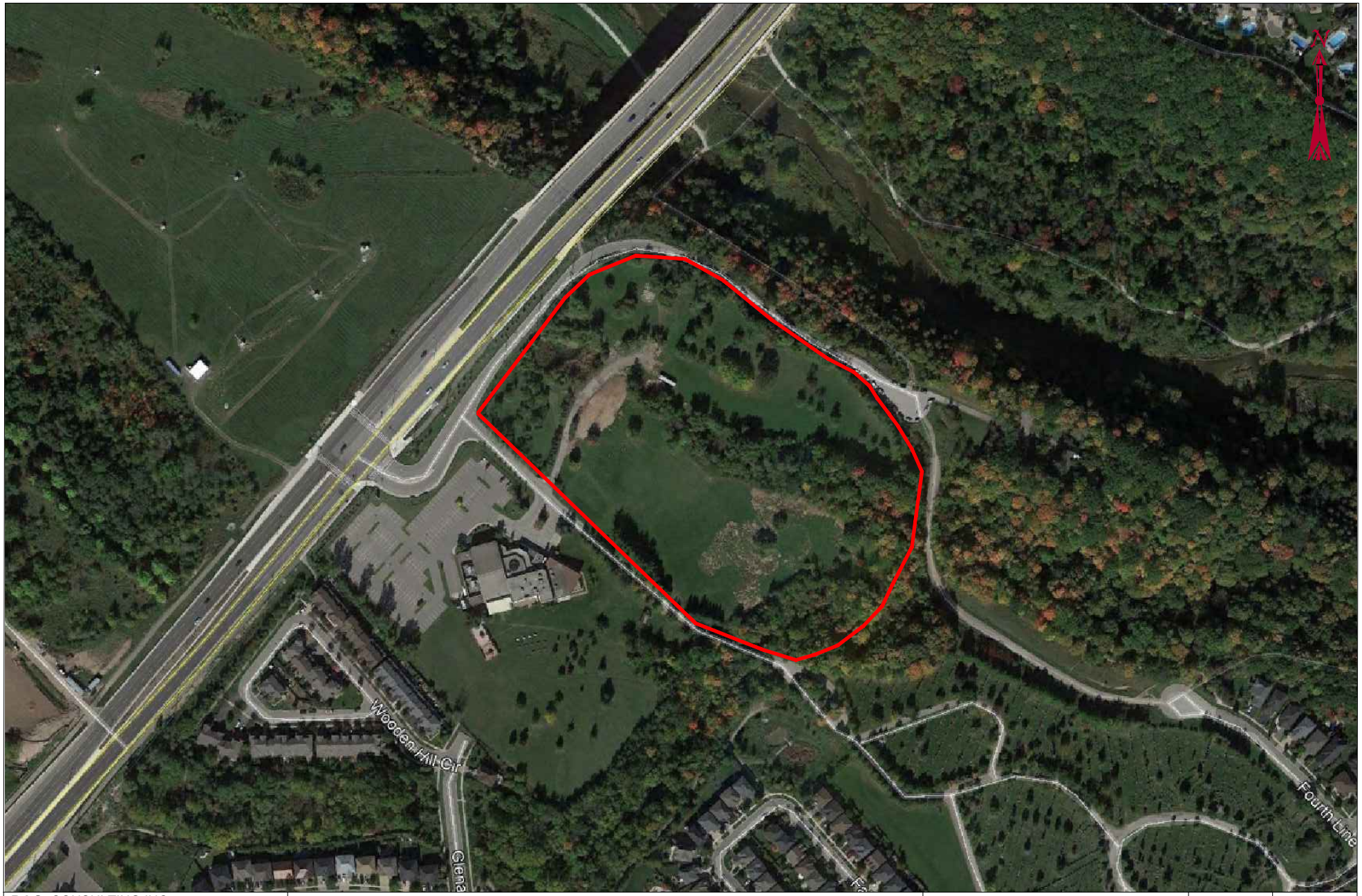
APPROXIMATE SITE BOUNDARY

IMAGERY SOURCED FROM GOOGLE EARTH ONLINE IMAGERY, DATED 2005

TITLE AND LOCATION

2005 AERIAL PHOTOGRAPH
PHASE I ESA
1280 DUNDAS STREET WEST,
OAKVILLE, ONTARIO

PROJECT NO.	DWN.
BIGC-GEO-185B	S.M.
SCALE	CK.
NOT TO SCALE	E.L.
DATE	FIG NO.
MAY 2018	F-4



B.I.G. CONSULTING INC.

t: (416) 214 - 4880 f: (905) 856 - 7327
12-5500 Tomken Rd.
Misissauga, ON L4W 2Z4
Canada

bigconsultinginc.com

LEGEND

APPROXIMATE SITE BOUNDARY

IMAGERY SOURCED FROM GOOGLE EARTH ONLINE IMAGERY, DATED 2016

TITLE AND LOCATION

2016 AERIAL PHOTOGRAPH
PHASE I ESA
1280 DUNDAS STREET WEST,
OAKVILLE, ONTARIO

PROJECT NO.	DWN.
BIGC-GEO-185B	S.M.
SCALE	CK.
NOT TO SCALE	E.L.
DATE	FIG NO.
MAY 2018	F-5

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:

Sunita

Site Address:

1280 Dundas St W Oakville ON Canada

Project No:

BIGCGEO1851

Opta Order ID:

48582

Requested by:

Eileen Liu
B.I.G. Consulting Inc.

Date Completed:

5/8/2018 7:44:07 AM

Project Name: 1280 Dundas Stret West

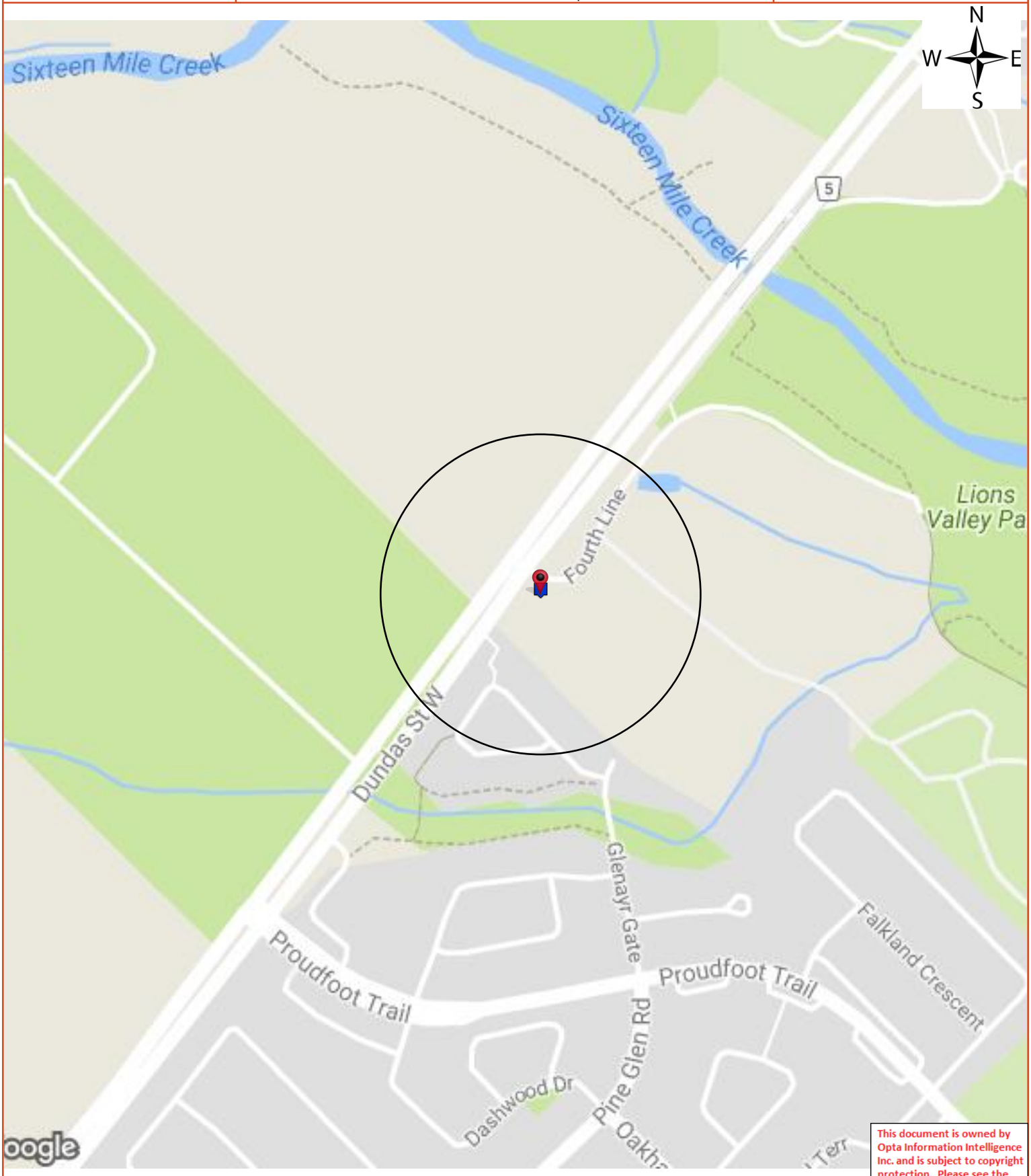
Project #: BIGCGEO1851

ENVIROSCAN Report

Search Area: 1280 Dundas St W Oakville ON Canada

Requested by:
Eileen Liu
Date Completed: 05/08/2018 07:44:07

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.

ENVIROSCAN Report

Report Index

Requested by:
Eileen Liu
Date Completed: 05/08/2018 07:44:07

OPTA INFORMATION INTELLIGENCE

Page	Report Title
5	(1988) COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM Report - 1988 ST. VOLODYMYR CULTURAL CENTRE 1280 Dundas St W Oakville ON a (distance = 0 metres*)

COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM Report - 1988 ST. VOLODYMYR CULTURAL CENTRE 1280 Dundas St W Oakville ON a

INSURERS' ADVISORY ORGANIZATION OF CANADA

COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM

(Use this form for all Non-Manufacturing risks, and some Manufacturing risks with five hands or less, of all construction, but excluding Sprinklered properties)

Address: No. 1280 Street/Road Etc,. DUNDAS STREET WEST

Municipality OAKVILLE ONTARIO (Formerly) _____

Owned by: ST. VOLODYMYR CULTURAL Occupied by: SAME

Age of building (Built in) 1988; Est. ☐ Additions Built in _____; _____; _____; Est. ☐

Condition of Building: Good ☒ ; Average ☐ Poor ☐.

Is building completely finished & out of workmens hands? Yes ☒; No ☐ IBC Code: Ter: 91 Ind: 733 Cons: 2 Prot: 5

BASIC CONSTRUCTION - (SECTION II)

- EXTERIOR WALLS:

NSEW	NSEW	NSEW	NSEW	NSEW
(Refers to compass point direction of wall, i.e. North, South, East or West)				
☒	☒	☐	☐	☐
INDEPENDENT	BEARING	NON-BEARING	PARTY	PARAPET

(Describe material & thickness of all walls including make-up of combustible walls & any fire retardant impregnation. Also, check off appropriate wall supports below:)

COLUMNS OF WOOD ☐; HEAVY WOOD (min. 150mm x 300mm) ☐; UNPROTECTED STEEL ☐; PROTECTED STEEL ☐, protected by _____ having a fire-resistance rating of _____ hrs.

PANELS of Non-Combustible material or GLASS ☐; COMBUSTIBLE ☐ (describe) _____

Wall: N. _____%; S. _____%; E. _____%; W. _____%.

- FLOORS & ROOF: (Describe Floor & Roof Materials Including Thickness & Nature Of Supports)

Floor Level	% Aut. Spk. Sec	Fire Resistive & Masonry	Fire Res. in Hrs.	Non-Combustible	Combustible
Grade		CONC. / GRADE	+3		
2nd				CONC. / METAL PAN	
Roof				CLAY METAL DECK	

COMBUSTIBLE FLR. on Lowest BASEMENT Level: Yes ☐; No ☐. If Yes, Describe & Give Percentage - _____

SECONDARY CONSTRUCTION - (SECTION III)

- HEIGHT: (Nbr.) 1 & 2 Storeys High; Basement: Yes ☐; No ☒. (Nbr.) Nil Combustible Storeys Without Ground Level Access.

- VERTICAL OPENINGS: Number of Elevators - Passenger ____. Freight 1.

(Describe Construction & Type of Enclosure(s) & Door(s) Fully)

Elv., Stairway or Other	Nbr.	From:	To:	ENCLOSURE(S)	DOOR(S)
STAIR	3	1ST	2ND	CB	S/C METAL DOOR
ELEV.	1	1ST	2ND	CB	S/C METAL DOOR

- AREA: Basement : ____ x ____ ; ____ x ____ ; ____ x ____ = ____ m^2
1st. Floor : ____ x ____ ; ____ x ____ ; ____ x ____ = 1936.58 m^2 EFFECTIVE AREA: 1936.58 m^2
2nd. Floor : ____ x ____ ; ____ x ____ ; ____ x ____ = 477.69 m^2
3rd (& Other): ____ x ____ ; ____ x ____ ; ____ x ____ = ____ m^2

Separation Walls ☐ (describe) _____. Total Area 2414.27 m^2

- ROOF SURFACE: Non-Combustible ☒ (describe) _____. Combustible ☐ (describe) _____.
Patent ☐. FALSE ROOF over Masonry or Fire Resistive Roof ☐ (describe) _____

ONT. 2000c - 3/83

- COMBUSTIBLE CONCEALED SPACES: Combustible Space In Roof ☐, &/or Ceiling ☐. If In Roof, Is This An Attic ☐, Cut-Off ☐, Shut Off ☐, With Access Limited By Trap(s)/Hatchway(s) ☐. In Proportion To Total Roof/Ceiling Area COMBUSTIBLE CONCEALED SPACE Comprises _____ % In ROOF &/or _____ % In CEILING. Describe _____.

- COMBUSTIBLE INTERIOR CONSTRUCTION: Floor Surfacing ☐ (describe & give % of total floor area affected) _____. Partitions/Walls ☐ (describe & give % of total interior wall area) _____. Mezzanines/Decks ☐ (describe & give % of total area of floors & roof) _____.

- INTERIOR FINISH or INSULATION: (Specify Where SPECIAL DAMAGE Materials Are Used)

Specify						
FLOOR						
Walls:						
Ceilings:						
Interior Partitions						
Smoke Developed						
Flame Spread						

Ordinary Damage Materials Attached To Fire Resistive or Non-Combustible Walls ☐ and/or Ceiling ☐

- COMB. EXTERIOR ATTACHMENTS OR FINISH: Attachments ☐ Comprise Of (describe & give chargeable %) _____. Finish ☐ Comprises Of (describe & give chargeable %) _____. Smoke Developed - 200 or Less ☐; Over 200 ☐; Flame Spread Rating _____. None Of The Above ☐. Are Attachments/Finish Attached/Applied To Fire Resistive or Non-Comb., Walls or Roof? Yes ☐; No ☐.

- BUILDING CONDITION: Moderate ☒, Major ☐, Extreme Deficiencies ☐. Describe Sub-Standard Structural Conditions _____.

COMMON HAZARDS - (SECTION VII, Items 720-724)

- HEATING: Building Heated? Yes ☒; No ☐. Borrowed Heat ☐. Describe Heating System Including Controls & Fuel Used: _____ Electric Permanently Installed. Describe Chimney(s) & Deficiencies If Any: _____.

- ELECTRICAL: FUSES: Type "S" ☐; Type "C" & Rejector System ☐; Circuit Breakers ☒; ORDINARY ☐; Used Exclusively ☐. Aluminum Wiring ☐; Rigid Conduit ☐; Other ☒ (describe) BX CABLE. Open ☐. Electrical Equipment Defects: None ☒; Minor ☐; Moderate ☐; Major ☐; Serious ☐. Describe Condition: _____.

- AIR CONDITIONING: 100 %; Central ☒; Window ☐.

- HOUSEKEEPING: See General Underwriting Comments Section (Page 3)

MUNICIPAL PROTECTION - (SECTION IX)

- FIRE DEPARTMENT: Risk Within 2.5 km Of Nearest Fire Hall? Yes ☐; No ☒. If No - State Distance To Fire Hall: 3-4 km.

- HYDRANTS: Two Hydrants Within 155m of Risk? Yes ☐; No ☒. And All Parts Of Building Within 155m Of At Least One Hydrant? Yes ☐; No ☐. MAINS - 150mm ☐; 200mm ☐; 300mm ☒. Other (describe) No Hydrants. Circulating ☐; and/or Dead End ☐ Mains. Describe Deficiency (if any): _____.

- ACCESSIBILITY: Risk Accessible At Least On One Side By Street 15m In Width? Yes ☒; No ☐. If No - Describe _____.

- CONGESTED AREA: Congested/Conflagration Hazard Prevails? Yes ☐; No ☒. If Yes, Describe Under General Underwriting Comments:

- PRIVATE PROTECTION: Is There Exclusive Private Protection ☐, Or Supplement To Municipal Protection ☐. Describe _____.

INTERNAL PROTECTION - (SECTION XI)

- MANUAL FIRE FIGHTING EQUIPMENT: Standard ☒; Non-Standard ☐. (See Occupancy Section, page 3).

- WATCHMAN SERVICE: Standard ☐. Including Proprietary Supervision ☐, Including Central Station Supervisory Ser. ☐. Describe: _____

- AUTOMATIC FIRE DETECTION SYSTEM: Full Protection ☐; Partial Protection (i.e. Minimum Requirements ☐; Describe (& Attach Form No. 2184-6/80, for Automatic Fire Alarm Detection Systems, After Completion) _____.

- PARTIAL AUTOMATIC SPRINKLER SYSTEMS: Acceptable Waterflow Alarm To Approved CENTRAL STATION ☐, No Such Alarm ☐. Total area Protected by Automatic Sprinklers Comprises _____ M^2.

- OTHER LIMITED AUTOMATIC FIRE PROTECTION SYSTEMS: (Other Than A.S.) Area Protected By: HALON ☐; CO_2 ☒; HIGH EXPANSION FOAM ☐; Other (describe) In Pit & Tread. Comprises _____ m^2.

COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM

OCCUPANCY & SPECIAL HAZARDS - (SECTIONS IV, V, VI & VII)

- SEPARATED OCCUPANCY: Is There Any Occupant(s) Cut-Off VERTICALLY ☐ /HORIZONTALLY ☐? Yes ☐; No ☐.
If Yes - Such Occupant Occupies _____ m^2, Comprising _____ % Of The Total Floor Area;
Describe: _____

OCCUPANCY DETAILS: Indicate: 1) Business Name Of Each Tenant, 2) Special Hazards Including Process Operation(s) And Faults Of Management, 3) Number, Type and Location Of Manual Fire Fighting Equipment, 4) Any Other Exceptional Features Of The Risk Not Discussed Elsewhere, and 5) Any Vacant Section(s).

CIVIC NO.	FLOOR LEVEL	AREA (m^2)	IBC IND. CODE	
1280	1ST & 2ND	2414.37	787	"ST. VOLODYMYR CULTURAL CENTRE (OAKVILLE) INC." OCCUPIED AS A BANQUET HALL WITH OFFICES, CLASSROOMS, MEETING ROOMS, LOUNGE AND A KITCHEN PROVIDING FULL REGULAR SEMI-COMMERCIAL COOKING. KITCHEN EQUIPMENT CONSISTS OF ① DEEP FAT FRYER, ④ SIX-BURNER STOVES, ① GRILL AND TWO PIZZA OVENS WITH PROTECTION PROVIDED BY A STAINLESS STEEL HOOD AND A WET CHEMICAL SYSTEM WITH SEMI-ANNUAL CONTRACT IN FORCE. THERE ARE TWO ELECTRIC HOT WATER BOILERS WHICH OPERATE AT 60-80 P.S.I. THE SUPPLY OF PORTABLE FIRE EXTINGUISHERS PRESENT IS STANDARD. THE 2ND FLOOR IS ALSO OCCUPIED BY THE JANITOR FOR LIVING QUARTERS.
				THERE ARE BOTH FIRE & BURGLAR ALARMS INSTALLED FIRE ALARM IS CONNECTED DIRECTLY TO FIRE HALL AND BURGLAR ALARM IS CONNECTED TO A MONITORING STATION.
Total Floor Area	2414.37	787	← (Building Owner's Interest)	- Continued on attached sheet ☐ -

GENERAL UNDERWRITING COMMENTS

- HOUSEKEEPING & MAINTENANCE: Excellent ☐; Good ☒; Average ☐; Poor ☐ (describe) _____

- NEIGHBOURHOOD: Isolated ☐; Residential ☒; Commercial ☐; Industrial ☐; Congested/Conflagration Hazard ☐ (describe)

- OPINION OF RISK: Excellent ☐; Good ☒; Average ☐; Poor ☐ (describe) _____

DIAGRAM IAO PLAN: Sheet No. _____; Block No. _____; Plan No. _____; NOP ☒; Scale: 1cm = 6m ☐ 1cm = 12m ☐

NORTH

WEST

(SEE ATTACHED)

EAST

SOUTH

EXPOSURE - (SECTION VIII)

WALL OF BUILDING BEING RATED					BETWEEN BLDGS.		FACING WALL OF EXPOSURE						
Direction	Blnk.	Comb. & Non-Comb	Msnry. Up	Msnry. Sp	Distance	Party Wall	Blnk.	Msnry. Sp	Msnry. Up	Non-Comb.	Comb.	Occ'y Haz.	Length / Height
NORTH													
SOUTH													
EAST													
WEST													

Requested by: ROYAL INS.

Sig. Of Insp. M. CANARIO

Dt. Aug. 9/88 / Aug. 10/88
(Inspected) (Written Up)

Report Date: _____
(Dt. Request Recd. In IAO Service Office)

Revised By: _____

Dt. _____ / _____

APPENDIX G: SITE PHOTOGRAPHS

Photo 1: Frontage of the Site, facing northeast.

Photo 2: Southern Site boundary, facing east.

Photo 3: West adjacent commercial property, looking north.

Photo 4: West adjacent community property.

Photo 5: North adjacent commercial property, autobody shops.

Photo 6: Looking east to Kingston Road and Highway 2A.