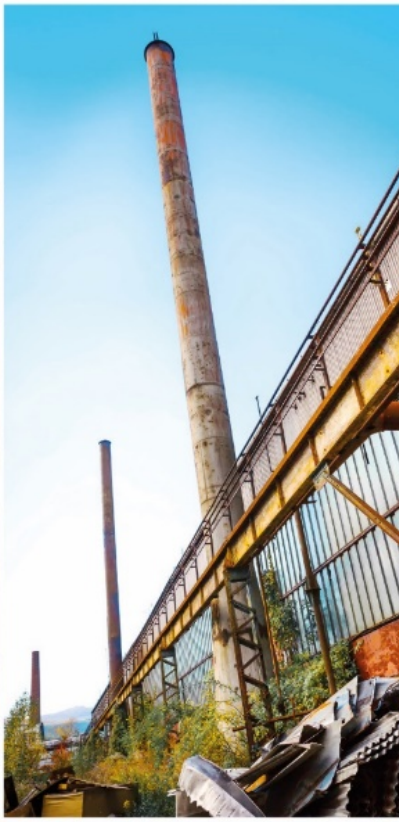
Phase One Environmental Site Assessment

51, 53, 55, and 75 Bradford Street
and 20 Checkley Street
Barrie, Ontario

Barrie Lakeshore Developments



Executive Summary

GHD Limited (GHD) was retained by Barrie Lakeshore Developments (doing business as Greenwin Barrie Inc. and 2714708 Ontario Inc., hereinafter referred to as the "Client") to conduct a Phase One Environmental Site Assessment (ESA) of a commercial property formerly addressed as 51, 55 and 75 Bradford Street, Barrie, Ontario (herein collectively referred to as the "Site" or "Property"). The Site has been owned by Barrie Lakeshore Developments since 2019.

The Site consists of five-adjoining parcels of commercial land totaling approximately 3.5 hectares (8.6 acres) identified as parcel identification numbers: 58795-0030 LT (51 Bradford Street), 58795-0031 LT (55 Bradford Street), 58795-0555 LT (75 Bradford Street), 58795-0597 LT (75 Bradford Street) and 58795-0598 LT (75 Bradford Street). Based on a review of the Simcoe County property search, the Site is currently addressed as 20 Checkley Street and identified by a consolidated PIN: 58795-0643 (LT).

The majority of the Site is vegetated land with a commercial building (vacant) and associated paved parking areas on the southwestern portion of the Site, which was most recently used for auto sales and repair. According to information presented in a 2000 Multirisk Survey, the existing Site building was constructed in the 1950s with additions/renovations in 1970. A portion of Bunker's Creek is present along the southern Site boundary. Based on a review of historical fire insurance plans (FIPs), historical Site operations included a tannery (Barrie Tanning Ltd.), and operation of a coal and wood yard (Mickle Dyment & Co.) from as early as 1900 to at least 1985. No evidence or remnants of the historical tannery and associated structures were observed by GHD at the time of Site reconnaissance. Auto service dealerships operated at the Site from at least 1966 to at least 2009. Based on a review of Google Street View, Barrie's Auto Detailing and Cars Mart Inc. most recently occupied the Site in 2009.

The purpose of the Phase One ESA was to identify, through a non-intrusive investigation, the existence of any Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs) associated with the Site. PCAs and APECs are defined in Ontario Regulation 153/04 (O. Reg. 153/04). It is GHD's understanding that the Phase One ESA was completed to document environmental conditions at the Site in support of the future filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation and Parks (MECP).

Based on the results of the Phase One ESA, including the Site reconnaissance, the information provided by Site representatives and regulatory agencies, documents reviewed, the review of Site history, and pending receipt and review of information from the MECP, the following APECs were identified to be associated with the Site.

APEC #1 - Historical Tannery Operation (on-Site)

Based on a review of historical records, the Site was operated as a tannery (Barrie Tanning Ltd.) from approximately 1900 to 1985. The FIPs identified the presence of a five-story tannery building with various processing areas that involved measuring, staging, rolling, greasing, dyeing, finishing, stretching, spraying and drying, and tannery hide storage areas within the building. The FIPs also identified railway spurs, several underground tanks (gasoline, bunker oil, heating oil, and acid

storage) to support the tannery operation. Some of these historical features extended beyond the existing Site boundary and the approximate locations of these features are presented on Figure 3. No specific information was provided regarding the type of tanning completing, or if the tanning was tannin based, or chemical (i.e., chromium) based. No evidence or remnants of the historical tannery and associated structures were observed by GHD at the time of Site reconnaissance. Investigations performed at the Site to date have identified soil and groundwater impacts with volatile organic compounds (VOCs), petroleum hydrocarbons (PHCs), polycyclic aromatic hydrocarbons (PAHs), metals and salt-related impacts exceeding the 2011 MECP Standards[1].

The historical operation of a tannery facility at the Site is included in O. Reg. 153/04 as a PCA (#53 - Tannery) and has been identified as an area of potential environmental concern on the entire Site (**APEC #1**).

APEC #2 - Fill Quality (on-Site)

Based on observations of subsurface conditions during recent investigative activities, and review of previous borehole logs prepared for the Site, the Site appears to have been filled or graded, likely prior to initial development. During previous investigations, sandy and silty fill soils with brick, asphalt, glass, wood, etc. were observed to extend from near the surface to a range of approximately 1.5 metres below ground surface (mBGS) to 6 mBGS. Investigations performed at the Site have identified impacts in the fill material with VOCs, PHCs, PAHs, metals and salt exceeding the 2011 MECP Standards.

The historical importation of fill material at the Site is included in O. Reg. 153/04 as a PCA (#30 - Importation of Fill Materials of Unknown Quality) and has been identified as an area of potential environmental concern on the entire Site (**APEC #2**).

APEC #3 - Historical Railway Spurs (on-Site)

Based on a review of historical FIPs (1917, 1946 and 1971), railway spurs historically entered the Site from the northeastern adjacent property, and crossed just south of the former tannery building in the northern portion of the Site, and were located just north of coal sheds in the southern portion of the Site. Railway tracks were also present along the eastern Site boundary. The railway spurs were utilized for the transport/receipt of bulk raw materials utilized in the tannery operation and coal which was stored in coal sheds, from at least 1900 until 1985.

No details concerning the construction of the railway spurs and specifically the quality of the fill material used to construct the railway spurs were available. It was common practice in the past to utilize slag as railway ballast. In addition, wood railway ties would have been treated with creosote. Pesticides may have also been used to control vegetation along the spur. In addition, no information was available regarding the historic operation of coal sheds, the historic storage of coal, or the potential for coal residue to remain at the Site.

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1 "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", dated April 15, 2011, MECP. Table 1 – Full Depth Background Site Condition Standards (applicable within 30 metres of Bunker's Creek) or Table 2 – Full Depth Generic Site Condition Standards in a Potable Ground Water Condition (applicable elsewhere at the Site beyond 30 metres of Bunker's Creek).

The historical operation of railway spurs, and the associated coal storage, at the Site is included in O. Reg. 153/04 as a PCA (#46 - Rail Yards, Tracks, and Spurs) and has been identified as an area of potential environmental concern (**APEC #3**).

APEC #4 - Historical Vehicle Maintenance and Servicing Operations (on-Site)

Based on a review of historical records, the existing Site building was operated as an auto service dealership(s) from at least 1966 to at least 2009. Based on a review of Google Street View, Barrie's Auto Detailing and Cars Mart Inc. most recently occupied the Site in 2009. Vehicle maintenance and servicing operations were likely performed in the Site building. Historical records also identified the operation of a heating oil underground storage tank (UST), potentially a gasoline UST, and the presence of multiple hoists in the Site building. Specific operations are not known but would have likely consisted of vehicle fluid changes and light maintenance/repair operations involving the replacement of "bolt-on" components. GHD is unaware if engine or transmission rebuilding operations were performed at the Site.

The historical vehicle maintenance and servicing operations performed in the Site building are included in O. Reg. 153/04 as a PCA (#52 - Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems), and the Site building and surrounding paved area and has been identified as an area of potential environmental concern (**APEC #4**).

APEC #5 - Historical Heating Oil Storage Area (on-Site)

Based on a review of the 1971 FIP, bunker and heating oil USTs were present in the northern portion of the Site to support the tannery operation. No reports or data pertaining to the UST removal were available for GHD's review. Monitoring well BH-205 was advanced approximately 18 metres east of the approximate location of the USTs. PAH impacts exceeding the 2011 MECP Table 2 Standards were identified in a soil sample collected from 0.6 mBGS to 1.2 mBGS. PHC impacts were not observed in the related groundwater sample. No evidence of vent pipes, fill ports, etc. was observed by GHD during the Site reconnaissance.

The historical fuel storage activities are included in O. Reg. 153/04 as a PCA (#28 - Gasoline and Associated Products Storage in Fixed Tanks) and the heating oil storage area and has been identified as an area of potential environmental concern (**APEC #5**).

APEC #6 - Potential Impacts from Former Canadian General Electric Assembly Plant (off-Site, west of Property)

A former Canadian General Electric Co. assembly plant building is located at 80 Bradford Street immediately to the west (hydraulically upgradient) of the Site, beyond Bradford Street. The plant manufactured and assembled small electrical appliances from approximately 1945 to approximately 1985. Currently, the plant building has been remodeled for multi-tenant retail/commercial use. The FIPs identified the assembly plant with various processing areas such as appliance assembly, woodworks, grinding and buffing, punch presses, nickel and chrome plating, machine shop and maintenance, paint spray and metal cleaning. The FIPs also identified railway spurs and exterior tanks (Royalene, light oil, and bunker oil). No information was provided regarding the specific chemical or waste storage practices employed by Canadian General Electric Co. Ltd.

The Former Canadian General Electric Co. assembly plant operation is included in O. Reg. 153/04 as a PCA (#19 - Electronic and Computer Equipment Manufacturing). Based on the easterly groundwater flow direction in the area of the Site, proximity, and the nature of operations performed in the former assembly plant, this off-Site PCA was identified as having the potential to contribute to an area of potential environmental concern (**APEC #6**) along the western portion of Site the boundary.

APEC #7 - Potential Impacts from Historical Storage Tanks (off-Site, west, southwest and south of Property)

The 1946 and 1971 FIPs identified a gasoline service station with several USTs located at 82 Bradford Street (a portion of the Former Canadian General Electric Co. assembly plant) located adjacent to the west (hydraulically upgradient) of the Site, beyond Bradford Street. The 1946 FIP also identified fuel storage tanks associated with auto repair garages to the south and southwestern adjacent properties (hydraulically crossgradient) immediately beyond Bunker's Creek. No reports or data pertaining to the UST removal at these facilities was available for GHD's review.

The historical operation of fuel storage tanks on the western, southwestern and southern adjacent properties is included in O. Reg. 153/04 as a PCA (#28 - Gasoline and Associated Products Storage in Fixed Tanks). Based on the easterly groundwater flow direction in the area of the Site and the proximity of these historical storage tanks to the Site, these off-Site PCAs were identified as having the potential to contribute to an area of potential environmental concern (**APEC #7**) on the southwestern portion of the Site.

APEC #8 - Potential Impacts from Historical Dry Cleaner (off-Site, north of Property)

Based on a review of the 1971 historical FIP, a dry cleaning operation was identified approximately 30 metres to the north, on the northern (hydraulically crossgradient) adjacent property addressed as 14 High Street (currently addressed as 4 Checkley Street). No information was available to determine if the dry cleaner conducted dry cleaning on-Site or if it operated as a "Drop off Depot" facility which typically would not store or utilize dry cleaning solvent. The operation of a historical dry cleaner on the northern adjacent property is included in O. Reg. 153/04 as a PCA (#37 - Operation of Dry Cleaning Equipment where chemicals are used). Based on the easterly groundwater flow direction in the area of the Site, and the proximity of the historical dry cleaner to the Site, this off-Site PCA was identified as having the potential to contribute to an area of potential environmental concern (**APEC #8**) on the northern portion of the Site.

APEC #9 – Potential Impacts from Historic Ironworks and Fabrication Facilities (off-Site, north of Property)

The FIPs identified the Barrie Ironworks facility and a metal fabrication facility on the northern (hydraulically crossgradient) adjacent property. The typical processes would have involved shearing, punching, hot or cold forming, heat treating, metal surface preparation, deburring and assembly of iron and steel products. The historical operation of an ironworks and metal fabrication facilities is included in O. Reg. 153/04 as a PCA (#34 - Metal Fabrication). Based on the easterly groundwater flow direction in the area of the Site and the proximity of these off-Site facilities to the Site, these off-Site PCAs were identified as having the potential to contribute to an area of potential environmental concern (**APEC #9**) on the northern portion of the Site.

APEC #10 – Potential Impacts from Historic Storage Tanks (off-Site, north of Property)

Based on a review of the 1971 FIP, acid and gasoline USTs were present in the northern (hydraulically crossgradient) adjacent property to support the tannery operation. No reports or data pertaining to the USTs were available for GHD's review. The historical fuel storage tanks are included in O. Reg. 153/04 as a PCA (#28 - Gasoline and Associated Products Storage in Fixed Tanks, and identified as having the potential to contribute to an area of potential environmental concern (**APEC #10**) in the northern portion of the Site.

APEC #11 - Historical Bunker's Creek Landfills (off-Site, west and southwest of Property)

Based on a review of historical records, Bunker's Creek Landfills were located approximately 125 metres hydraulically upgradient to the west of the Site. Bunker's Creek meanders through these Landfills before it enters onto the Site. Based on a review of Golder Associates 2017 and 2018 Annual Monitoring Program Reports prepared for the Bunker's Creek Landfills, municipal waste was buried between 1956 and 1964 which, extended underneath the City of Barrie owned and privately-owned industrial/commercial properties located to the west of the Site as identified on Figure 5. Metals (copper, iron, lead, and vanadium) and PAHs impacts were identified in the surface water samples collected from Bunker's Creek at concentrations above the applicable Provincial Water Quality Objectives (PWQO). Based on a review of historical Phase Two ESA data for samples collected within 30 metres of the Bunker's Creek, metals (copper, lead and vanadium) and PAHs were also identified in soils, sediment, and groundwater samples. It is possible some impacts may have migrated onto the Site from the historical landfilling operations hydraulically upgradient of the Site.

The historical Bunker's Creek landfilling operations are included in O. Reg. 153/04 as a PCA (#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners). Based on the proximity to the Site, and the known surface water impacts, these landfills were identified as having the potential to contribute to an area of potential environmental concern (**APEC #11**) on the southwestern portion of the Site along Bunker's Creek.

Requirement for Phase Two ESA before RSC can be Submitted

Based on the information obtained in completing the Phase One ESA, review of available reports, additional delineation and a Phase Two ESA report will be required before a RSC can be filed under O. Reg. 153/04. It is GHD's understanding that the Phase One ESA was completed to document environmental conditions at the Site in preparation for future redevelopment of the Site, and that a RSC will filed to support the potential development.

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1. Introduction

1.1 Phase One ESA Property Information

GHD Limited (GHD) was retained by Barrie Lakeshore Developments (doing business as Greenwin Barrie Inc. and 2714708 Ontario Inc., hereinafter referred to as the "Client") to conduct a Phase One Environmental Site Assessment (ESA) of a commercial property formerly addressed as 51, 55 and 75 Bradford Street, Barrie, Ontario (herein collectively referred to as the "Site" or "Property"). The Site has been owned by Barrie Lakeshore Developments since 2019. A Site Location Map and a Site and Surrounding Properties Aerial Map are provided on **Figure 1** and **Figure 2**, respectively.

The Site consists of five-adjoining parcels of commercial land totaling approximately 3.5 hectares (8.6 acres) identified as parcel identification numbers (PINs): 58795-0030 LT (51 Bradford Street), 58795-0031 LT (55 Bradford Street), 58795-0555 LT (75 Bradford Street), 58795-0597 LT (75 Bradford Street) and 58795-0598 LT (75 Bradford Street). Based on a review of the Simcoe County property search, the Site is currently addressed as 20 Checkley Street and identified by a consolidated PIN: 58795-0643 (LT).

The majority of the Site is vegetated land with a commercial building (vacant) and associated paved parking areas on the southwestern portion of the Site, which was most recently used for auto sales and repair. According to information presented in a 2000 Multirisk Survey, the existing Site building was constructed in the 1950s with additions/renovations in 1970. A portion of Bunker's Creek is present along the southern Site boundary. Based on a review of historical fire insurance plans (FIPs), historical Site operations included a tannery (Barrie Tanning Ltd.), and operation of a coal and wood yard (Mickle Dyment & Co.) from as early as 1900 to at least 1985. No evidence or remnants of the historical tannery and associated structures were observed by GHD at the time of Site reconnaissance. Auto service dealerships operated at the Site from at least 1966 to at least 2009. Based on a review of Google Street View, Barrie's Auto Detailing and Cars Mart Inc. most recently occupied the Site in 2009.

The purpose of the Phase One ESA was to identify, through a non-intrusive investigation, the existence of any Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs) associated with the Site. PCAs and APECs are defined in Ontario Regulation 153/04 (O. Reg. 153/04). It is GHD's understanding that the Phase One ESA was completed to document environmental conditions at the Site in support of the future filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation and Parks (MECP). Contact information for the Property owner is listed below.

Ms. Leah Axt
3200 Highway 7, Vaughan, Ontario, L4K 5Z5
Ph: (905) 326-6400

2. Scope of Investigation

The Phase One ESA was conducted in accordance with the requirements of O. Reg. 153/04, as amended. The Phase One ESA was conducted by Mr. Aditya Khandekar and was reviewed by

Mr. Warren Croft and Mr. Gregory Brooks, all of GHD. The qualifications of Mr. Khandekar, Mr. Brooks and Mr. Croft are presented in **Appendix A**. The following tasks were conducted as part of the Phase One ESA:

- Review of an electronic environmental database search of federal, provincial, and private source databases.
- Review of available historical records including fire insurance plans, aerial photographs of the Site and surrounding area, and regional geological information.
- Review of past and current Property usage and adjacent property occupancy.
- Inspection of the facilities, equipment, utility services, operations, and associated records for the Site.
- Observations of any conditions that represented potential environmental concerns.
- Review of chemical use and storage and spill/release incidents.
- Review of aboveground and underground storage tank records.
- Review of waste handling, accumulation, storage, and disposal practices.
- Review of air emissions and wastewater discharges.
- Review of equipment that potentially contains chlorofluorocarbons.
- Review of equipment that potentially contains polychlorinated biphenyls (PCBs).
- Observations of potential lead-based paint.
- Observations of potential asbestos-containing materials.
- Inquiries with regulatory agencies and interviews with persons knowledgeable of the Site and Site operations.
- Review of property title records associated with the Site.
- Review of previous environmental reports prepared for the Site.

In completing the Phase One ESA, GHD relied on information received from all parties as being accurate unless contradicted by written documentation or field observations.

The following report summarizes the information gathered by GHD during the Phase One ESA and identifies any PCAs, as defined in O. Reg. 153/04, within the Phase One ESA study area as well as any APECs associated with the Site. As required by O. Reg. 153/04, this Phase One ESA also identifies any potential contamination migration pathways and receptors associated with the Property, to the extent that the data compiled allows.

This Phase One ESA report has been prepared for the use of the Client, and may not be relied upon by others without the written consent of GHD and the Client.

3. Records Review

3.1 General

3.1.1 Phase One ESA Study Area Determination

The Phase One ESA study area included all properties located wholly or partially within 250 metres of the boundary of the Site, as required by O. Reg. 153/04. This area has been determined by GHD to be a sufficient study area since the assessment did not identify any properties with known environmental impact or high potential to impact the Site from a distance of greater than 250 metres.

The properties adjacent to the Site were visually inspected, without accessing the properties, for evidence of existing or potential environmental concerns related to the Phase One ESA. GHD also visually inspected all of the Properties within the Phase One ESA study area that were visible from the Site or surrounding streets. The following buildings or features were located on the properties surrounding the Site (refer to Figure 2).

North: The Site is bounded to the north by U-Haul Storage (45 Bradford Street, historical ironworks facility), Law Offices (10 Checkley Street), a commercial property (historical dry cleaner, 4 Checkley Street), two condominium buildings with associated parking lot (a portion of a historical tannery), Simcoe Street and further to the north by commercial and residential properties. Properties to the north of the Site are inferred to be located hydraulically crossgradient from the Site.

East: The Site is bounded to the east by two condominium buildings with an associated parking lot (a portion of historical tannery), Lakeshore Drive and further to the east by Kempenfelt Bay (Lake Simcoe). Properties to the east of the Site are inferred to be located hydraulically downgradient from the Site.

South: The Site is bounded to the south by Bunker's Creek, a commercial property used for auto sales (93 Bradford Street), a man made pond, a condominium building and further to the south by commercial and residential properties. Additionally, based on a review of historical 1917 FIP (refer to Section 3.1.3), an auto repair garage with several underground storage tanks (USTs) was located on the southern adjacent property. Properties to the south of the Site are inferred to be located hydraulically crossgradient from the Site.

West: The Site is bounded to the west by Bradford Street and further to the west by a Tim Horton's restaurant and a building currently occupied by multiple retail/commercial tenants (formerly operated as Canadian General Electric Co. assembly plant which manufactured small electrical appliances, 80 Bradford Street) and a former school property (50 Bradford Street). It should be noted that several historical City landfills (Bunker's Creek Landfills) are located to the south and west of Canadian General Electric Co. Additionally, based on a review of historical FIPs (refer to Section 3.1.3), a gasoline service station was located on the western adjacent property and an auto garage with several USTs was located on the southwestern adjacent property. Properties to the west of the Site are inferred to be located hydraulically upgradient from the Site.

Based on a review of historical records, several commercial and industrial properties, which included an electrical equipment manufacturer, landfills, a dry cleaner, a gas station, and two auto garages were identified to have operated on the adjacent properties which may have the potential to adversely impact the Site. Specific APECs **(#7 through #11**) related to these off-Site operations have been identified on **Figure 5** and are described in additional detail in the relevant sections of this report.

Persons familiar with the Site were not aware of any environmental impacts to the Site attributable to operations conducted on adjacent lands. No visual evidence of environmental impact to the Property from surrounding land uses was observed by GHD at the time of the Site reconnaissance.

3.1.2 First Developed Use Determination

Based on a review of historical FIPs, historical Site operations included a tannery (Barrie Tanning Ltd.) with railway spurs and USTs, and operation of a coal and wood yard (Mickle Dyment & Co.) from as early as 1900 to at least 1985. Auto service dealerships operated at the Site from at least 1966 to at least 2009.

3.1.3 Fire Insurance Plans

Fire insurance information assists in the identification of historical land use and commonly indicates the existence and location of aboveground and underground storage tanks, structures, improvements, and facility operations. OPTA Information Intelligence (OPTA) search was conducted for any available FIPs that include the area of the Site, and for all available fire insurance information for the Property (i.e., inspection reports and Site plans).). OPTA identified FIPs for the Site and surrounding area dated 1917, 1946 and 1971, a 1977 Site Plan and a 1977 Fire Inspection and Rate Calculation Report, and a 2000 Multirisk Report.

- The 1917 FIPs depict the northern portion of the Site as developed with several large buildings which were operated as a tannery (Barrie Tanning Ltd.). Various processing areas were depicted which include dyeing, cutting, finishing, drying and tannery hide storage areas within the building. Railway spurs were present in the northern, eastern and southern portion of the Site. A coal and wood yard (Mickle Dyment & Co.) was operated on the southern portion of the Site, adjacent to the Bunker's Creek. A "swampy area" was present in the southern portion of the Site. A cement storage building and an artesian well were depicted in the western portion of the Site, just north of the coal sheds. A building labeled as ""Barrie Ironworks" was depicted on the northern adjacent property beyond which was a building labeled as "Garage". Other commercial operations to the north of the Site include a bakery, an icehouse, and J. Scott coal and lime storage. The western adjacent property was depicted with Bradford Street beyond which was a building labeled as "Public School" and residential dwellings. The eastern adjacent property was depicted with multiple railways operated by Grand Trunk Railway beyond which was Kempenfelt Bay (Lake Simcoe). The southern adjacent property beyond Bunker's Creek was depicted with several commercial buildings and residential dwellings.
- The 1946 FIP depicts no significant changes in the land use on the southern portion of the Site since the 1917 FIPs. The building in the western portion of the Site formerly used for storage of cement was labeled as "Smith's Dairy Farm". Limited coverage was available for the northern portion of the Site which was operated as a tannery. A small building labeled as "Canadian

General Electric Co. Ltd." was present on the western adjacent property, beyond Bradford Street. A gasoline service station with USTs was depicted at 82 Bradford Street on the western adjacent property, beyond Bradford Street. USTs associated with auto service garages were depicted on the south and southwestern adjacent properties immediately beyond Bunker's Creek.

- The 1971 FIPs depict no significant changes in the land use on the northern portion of the Site since the 1917 FIPs. Various processing areas were depicted which include measuring, staging, rolling, greasing, dyeing, finishing, stretching, spraying and drying and tannery hide storage areas within the building. Bunker oil and heating oil USTs were depicted at Site to support the tannery operation. Coal and wood yard operations on the southern portion of the Site were no longer visible, and the southern portion of the Site was depicted with the existing Site building, and used for auto sales and repair. Features depicted on the northern adjacent property associated with the tannery operation include acid storage UST, a gasoline UST, and a sewage treatment plant. Buildings previously labeled as ""Barrie Ironworks" and "Garage" were no longer depicted on the northern adjacent property and the property was used for auto sales. Other commercial operations to the north include a dry cleaner, a tire sales/service facility, and a metal fabrication facility. No coverage was available for the eastern adjacent property. The auto service garage with USTs present on the southern adjacent property was no longer depicted and was replaced with a restaurant beyond which was an auto service garage. Limited coverage was depicted for the remaining southern adjacent property. The western adjacent "Canadian General Electric Co. Ltd." assembly plant had expanded since 1946. The FIPs identified the assembly plant with various processing areas such as appliance assembly, woodworks, grinding and buffing, punch presses, nickel and chrome plating, machine shop and maintenance, paint spray and metal cleaning. No information was provided regarding the specific chemical or waste storage practices employed by Canadian General Electric Co. Ltd. The FIPs also identified railway spurs and exterior tanks (Royalene, light oil, and bunker oil).

OPTA also provided copies of the following reports which were reviewed by GHD.

1977 Fire Inspection and Rate Calculation Report and Site Plan

- The on-Site building was reportedly constructed in 1953 and was occupied by French Motors (Barrie) Ltd. Specific operation at the time of the inspection performed in the Site building included auto repair, car wash, and storage of car accessories. Chemicals used in the building included a Safety-Kleen degreaser. Heating was reportedly performed via hot-water furnace serviced by a heating oil aboveground storage tank (AST), which was fed from a heating oil UST. The map identified word "Gas" to the southeast of the Site building suggesting the potential presence of a gasoline UST. Several rooms were reportedly finished with asbestos siding.

2000 Multirisk Survey

- The on-Site building was reportedly constructed in 1960 with additions made in the 1970s. Huron Tire and Auto occupied the Site building for automotive repairs since 1995. No USTs/ASTs were identified; however, nine vehicle hoists were reportedly present at the time of the inspection. No additional information was presented regarding the vehicle hoists.

Specific APECs related to the on-Site and off-Site operations have been included in the relevant sections of this report, including Section 5.2.2 (Historic Site Operations). A copy of the OPTA documentation is provided in **Appendix B.**

3.1.4 Historical City Directories

Historical city directories generally document the occupants of a municipal address on a yearly basis. A city directory search was conducted by EcoLog Environmental Risk Information Services Ltd. (ERIS) of Vernon's Barrie, Ontario City Directory. Directories were reviewed for the years available, including 1952, 1961, 1966, 1974, 1982, 1989, 1993-1994, and 1998-1999.

The current address 20 Checkley Street was not identified in the city directories reviewed by ERIS.

The former Site address (51 Bradford Street, PIN: 58795-0030 LT) were listed in the following city directories reviewed.

Year	Entity
1998 - 1999	Utopia Auto Sales/U-Haul Co.
1993 - 1994	Wagner's Service Centre
1989	ELM Auto Sales & Leasing
1952 - 1982	No listing

The historical vehicle maintenance and servicing operations performed in the Site building are included in O. Reg. 153/04 as a PCA (#52 - Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems), and the Site building and surrounding paved area and has been identified as an area of potential environmental concern (**APEC #4**).

The former Site address (55 Bradford Street, PIN: 58795-0031 LT) were listed in the following city directories reviewed.

Year	Entity
1998 - 1999	No listing
1993 - 1994	Deal On Wheels
1982 - 1989	No listing
1952 - 1974	Barrie Tanning Ltd.

The historical operation of a tannery facility at the Site is included in O. Reg. 153/04 as a PCA (#53 - Tannery) and has been identified as an area of potential environmental concern on the entire Site (**APEC #1**).

The former Site address (75 Bradford Street, PINs: 58795-0555 LT, 58795-0597 LT and 58795-0598 LT) were listed in the following city directories reviewed.

Year	Entity
1993 - 1999	Barrie Auto Sales/ Huronia Tire and Auto Service Centre/ Ontario Automobile Distributors
1961 - 1994	French Motors Ltd.
1952	No listing

The historical vehicle maintenance and servicing operations performed in the Site building are included in O. Reg. 153/04 as a PCA (#52 - Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems), and the Site building and surrounding paved area and has been identified as an area of potential environmental concern (**APEC #4**).

A former Site address (61 Bradford Street) was listed in the following city directories reviewed.

Year	Entity
1952	Smith's Dairy Farm

The following entities, other than residential properties, were listed at properties in close proximity to the Site.

Address	Year(s)	Listed Occupant(s)
45 Bradford Street (northern adjacent property)	1961 - 1999 1952	Bay City Motors No listing
80 Bradford Street (western adjacent property)	1989 - 1999 1951 - 1982	Multi-Tenant Office Canadian General Electric Co.
82 Bradford Street (western adjacent property)	1982 - 1999 1974 1966 1952 - 1961	No listing Claude's Texaco Service Centre Stranaghan Motors No listing
50 Bradford Street (western adjacent property)	1974 - 1999 1952 - 1966	Prince Of Wales Public School No listing
100 Bradford Street (southwestern adjacent property)	1998 - 1999 1989 - 1993 1974 - 1982 1966 1959 1952	Carsmart Incorporated Barrie Honda Auto Sales Centennial Plymouth Chrysler Jackson Motors Ltd. Park's Motors Hart's Garage
93 Bradford Street (south adjacent property)	1989 - 1999 1982 1974 1952 - 1966	No listing Acadia Rent A Car M D F Auto Sales No listing

Based on a review of city-directory records, several commercial and industrial properties which included an electrical equipment manufacturer, a gas station, and two auto garages were identified on the adjacent properties which have the potential to contribute to an APEC on the Site. Specific APECs **(#7 through #10**) related to the above off-Site operations have been included in the relevant sections of this report.

A copy of the city directory search is presented in **Appendix C**.

3.1.5 Property Chain of Title Records

As part of the Phase One ESA, GHD reviewed the Property Chain of Title records provided by the Client associated with ownership or occupation of the Site. The following entities were reported to be associated with ownership or occupation of the Site during the specified time periods.

20 Checkley Street (PIN: 58795-0643 LT; consolidated PIN)

Grantor	Grantee	Date
Romspen Investment Corp.	Greenwin Barrie Inc. and 2714708 Ontario Inc.	September 10, 2019

51 Bradford Street (PIN: 58795-0030 LT)

Grantor	Grantee	Date
Crown Land	David Edgar	November 20, 1833
David Edgar	Richard Cobb	March 3, 1836
Richard Cobb	Robert Ross	March 27, 1838
Robert Ross	Barrie Tanning Ltd.	June 13, 1900
Barrie Tanning Ltd.	629508 Ontario Ltd.	October 15, 1985
629508 Ontario Ltd.	Orval Frederick Jackson & Joanne Jackson	October 25, 1986
Orval Frederick Jackson & Joanne Jackson	The Municipal Savings & Loan Corp.	September 20, 1989
The Municipal Savings & Loan Corp.	816996 Ontario Ltd.	September 28, 1994
816996 Ontario Ltd.	Maybelle Holdings Corp.	January 2, 2008
Maybelle Holdings Corp.	1662894 Ontario Inc.	January 15, 2008
1662894 Ontario Inc.	Harmony Village-Lake Simcoe Inc.	May 25, 2012
Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc.	May 26, 2012
Blue Simcoe Developments Inc.	Wayne Safety Ltd. et al	May 25, 2012
Wayne Safety Ltd. et al	Fortress Kempenfelt Bay Developments Inc.	November 30, 2016
Fortress Kempenfelt Bay Developments Inc.	Romspen Investment Corp.	February 9, 2018
Romspen Investment Corp.	Greenwin Barrie Inc. and 2714708 Ontario Inc.	September 10, 2019

55 Bradford Street (PIN: 58795-0031 LT)

Grantor	Grantee	Date
Crown Land	David Edgar	November 20, 1833
David Edgar	Richard Cobb	March 3, 1836
Richard Cobb	Robert Ross	March 27, 1838
Robert Ross - Estate	Mary Ross	October 19, 1900
Mary Ross	Alfred Morris & Benjamin Parker	January 16, 1901
Alfred Morris & Benjamin Parker	James Cheeseman	May 3, 1904

Grantor	Grantee	Date
James Cheeseman	Henry Jamieson	May 16, 1908
Henry Jamieson	Charles Mickle & Simon Dyment	May 16, 1908
Charles Mickle & Simon Dyment	Mickle Dyment & Son Ltd.	October 12, 1931
Mickle Dyment & Son Ltd.	George Cameron & Harry Ellis cob as Cameron & Ellis	October 12, 1931
George Cameron & Harry Ellis cob as Cameron & Ellis	Barrie Tanning Ltd.	October 23, 1935
Barrie Tanning Ltd.	629508 Ontario Ltd.	October 15, 1985
629508 Ontario Ltd.	French Motors (Barrie) Ltd.	October 15, 1986
French Motors (Barrie) Ltd.	796531 Ontario Ltd.	November 21, 1996
796531 Ontario Ltd.	Rodann Investments Inc.	May 11, 1996
Rodann Investments Inc.	1662893 Ontario Inc.	July 31, 2008
1662894 Ontario Inc.	Harmony Village-Lake Simcoe Inc.	May 25, 2012
Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc.	May 25, 2012
Blue Simcoe Developments Inc.	Wayne Safety Ltd. et al	May 25, 2012
Wayne Safety Ltd. et al	Fortress Kempenfelt Bay Developments Inc.	November 30, 2016
Fortress Kempenfelt Bay Developments Inc.	Romspen Investment Corp.	February 9, 2018
Romspen Investment Corp.	Greenwin Barrie Inc. and 2714708 Ontario Inc.	September 10, 2019

75 Bradford Street (PIN: 58795-0555 LT)

Grantor	Grantee	Date
Crown Land	Trinity College	November 20, 1833
Trinity College	William Ardagh	March 3, 1836
William Ardagh	James R Burton	March 27, 1838
James R Burton	Barrie Tanning Ltd.	June 13, 1900
Barrie Tanning Ltd.	629528 Ontario Ltd.	October 15, 1985
629528 Ontario Ltd.	Lome Investments (Sudbury) Ltd.	February 16, 1988
Lome Investments (Sudbury) Ltd.	629528 Ontario Ltd.	December 16, 1988
629528 Ontario Ltd.	Blue Simcoe Developments Inc.	January 15, 2008
Blue Simcoe Developments Inc.	Harmony Village-Lake Simcoe Inc.	May 25, 2012
Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc.	May 25, 2012
Blue Simcoe Developments Inc.	Wayne Safety Ltd. et al	May 25, 2012
Wayne Safety Ltd. et al	Fortress Kempenfelt Bay Developments Inc.	November 30, 2016
Fortress Kempenfelt Bay Developments Inc.	Romspen Investment Corp.	February 9, 2018
Romspen Investment Corp.	Greenwin Barrie Inc. and 2714708 Ontario Inc.	September 10, 2019

75 Bradford Street (PIN: 58795-0597 LT)

Grantor	Grantee	Date
Crown Land	David Edgar	November 20, 1833
David Edgar	Richard Cobb	March 3, 1836
Richard Cobb	Robert Ross	March 27, 1838
Robert Ross - Estate	Mary Ross	October 19, 1900
Mary Ross	Alfred Morris & Benjamin Parker	January 16, 1901
Alfred Morris & Benjamin Parker	James Cheeseman	May 3, 1904
James Cheeseman	Henry Jamieson	May 16, 1908
Henry Jamieson	Charles Mickle & Simon Dyment	May 16, 1908
Charles Mickle & Simon Dyment	Mickle Dyment & Son Ltd.	October 12, 1931
Mickle Dyment & Son Ltd.	George Cameron & Harry Ellis	October 12, 1931
George Cameron & Harry Ellis	Barrie Tanning Ltd.	October 23, 1935
Barrie Tanning Ltd.	629508 Ontario Ltd.	October 15, 1985
629508 Ontario Ltd.	French Motors (Barrie) Ltd.	October 15, 1986
French Motors (Barrie) Ltd.	796531 Ontario Ltd.	November 21, 1996
Rodann Investments Inc. (Formerly 796531 Ontario Ltd.)	Blue Simcoe Developments Inc.	July 31, 2008
Blue Simcoe Developments Inc.	Harmony Village-Lake Simcoe Inc.	May 25, 2012
Blue Simcoe Developments Inc.	Wayne Safety Ltd. et al	May 25, 2012
Wayne Safety Ltd. et al	Fortress Kempenfelt Bay Developments Inc.	November 30, 2016
Fortress Kempenfelt Bay Developments Inc.	Romspen Investment Corp.	February 9, 2018
Romspen Investment Corp.	Greenwin Barrie Inc. and 2714708 Ontario Inc.	September 10, 2019

75 Bradford Street (PIN: 58795-0598 LT)

Grantor	Grantee	Date
Crown Land	James Chewett	May 31, 1821
James Chewett	David Edgar	November 20, 1833
David Edgar	Richard Cobb	March 3, 1836
Richard Cobb	Robert Ross	March 27, 1838
Robert Ross - Estate	Mary Ross	October 19, 1900
Mary Ross	Alfred Morris & Benjamin Parker	January 16, 1901
Alfred Morris & Benjamin Parker	James Cheeseman	May 3, 1904
James Cheeseman	Henry Jamieson	May 16, 1908
Henry Jamieson	Charles Mickle & Simon Dyment	May 16, 1908
Charles Mickle & Simon Dyment	Mickle Dyment & Son Ltd.	October 12, 1931
Mickle Dyment & Son Ltd.	George Cameron & Harry Ellis	January 6, 1948

Grantor	Grantee	Date
George Cameron & Harry Ellis	Cameron, Ellis, Gibson Ltd.	April 9, 1952
Cameron, Ellis, Gibson Ltd.	Charles P.J. French	September 4, 1952
Charles P.J. French - Estate	Howard & Valerie McKay	November 21, 1996
Howard & Valerie McKay	Perfect Northern Developments Ltd.	July 31, 2008
Perfect Northern Developments Ltd.	Harmony Village-Lake Simcoe Inc.	May 25, 2012
Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc.	May 25, 2012
Blue Simcoe Developments Inc.	Wayne Safety Ltd. et al	May 25, 2012
Wayne Safety Ltd. et al	Fortress Kempenfelt Bay Developments Inc.	November 30, 2016
Fortress Kempenfelt Bay Developments Inc.	Romspen Investment Corp.	February 9, 2018
Romspen Investment Corp.	Greenwin Barrie Inc. and 2714708 Ontario Inc.	September 10, 2019

A copy of the Property Chain of Title records is presented in **Appendix D**.

3.1.6 Previous Environmental Reports

The following previous ESAs were prepared for the Site and were provided to GHD by the Client.

- Phase One ESA, 51-75 Bradford Street, Barrie, Ontario, prepared by Terraprobe Inc. (Terraprobe), for Fortress Kempenfelt Bay Developments Inc., dated September 12, 2017.
- Phase Two ESA, 51-75 Bradford Street, Barrie, Ontario, prepared by Terraprobe, for Fortress Kempenfelt Bay Developments Inc., dated September 12, 2017.

Phase One ESA, Terraprobe, September 12, 2017

At the time of the September Phase One ESA, the Site was developed with the existing Site building. Several APECs were identified by Terraprobe on the Property, including the importation of fill of unknown quality, the operation of a tannery with railway spurs and USTs, the operation of a coal and wood yard, the operation of an ironworks facility, and the operation of automobile service garages. Multiple sources of contamination to the Property were also identified off-Site, including the operation of several automobile service stations and garages, the operation of a large appliance manufacturing facility, and the operation of a dry cleaning facility. The Phase One ESA was prepared in general accordance with Ontario Regulation 153/04.

Based on the results of the Phase One ESA, Terraprobe installed several boreholes and monitoring wells across the Property to assess the APECs and determine soil, groundwater, and sediment quality as detailed below.

Phase Two ESA, Terraprobe, September 12, 2017

Terraprobe subsequently completed a Phase Two ESA, including soil and groundwater sampling at the Site in 2017. Terraprobe's 2017 Report also included previous environmental analytical data for soil and groundwater samples collected by Terraprobe in 2009, however; a formal report was not

provided along with the 2009 dataset. Soil impacts exceeding the Ontario MECP generic standards were identified across the majority of the Property. The impacts included volatile organic compounds (VOCs), petroleum hydrocarbons (PHCs), polycyclic aromatic hydrocarbons (PAHs), metals, and salt-related compounds. The 2017 investigation also identified groundwater impacts exceeding the MECP generic standards for VOCs, PHCs, PAHs, and salt-related compounds across the majority of the Property. The 2017 investigation identified sediment impacts in Bunker's Creek exceeding the MECP sediment quality guidelines for PAHs and metals. Terraprobe assessed their soil and groundwater analytical results to the 2011 MECP Standards[2].

In 2017, Terraprobe identified chlorinated VOC impacts exceeding the MECP generic standards in groundwater at several monitoring wells at the Property. The highest concentration of chlorinated solvents were detected at previously installed monitoring well MW6-09 (vinyl chloride - 218 micrograms per litre (µg/L) and well MW3-09 (cis-1,2-dichloroethylene - 670 µg/L and trichloroethylene - 1,500 µg/L). MW3-09 was not observed by GHD on Site at the time of Site reconnaissance. PHC impacts exceeding the MECP generic standards in groundwater were identified at one monitoring well location TBH120. The PHC F3 concentration at monitoring well TBH120 in 2017 was 7,100 µg/L. Terraprobe identified sodium and chloride impacts exceeding the MECP generic standards in groundwater at monitoring wells MW4-09 and EMW7.

Sediment impacts (PAHs and metals) were detected in Bunker's Creek located on the southern side of the Property. These impacts were detected throughout the creek, including in the hydraulically upgradient portion of the creek as it enters the Property. No metal impacts identified in the groundwater samples collected by Terraprobe in 2017.

The impacts were not fully delineated as per MECP requirements for filing a Record of Site Condition (RSC) under O. Reg. 153/04.

Copies of the Terraprobe ESAs are presented in **Appendix E**.

3.2 Environmental Source Information

3.2.1 Regulatory Review

No concerns, complaints, notices of violation, or directives of an environmental nature issued against the Site by federal, provincial, or municipal environmental regulatory agencies have been disclosed to GHD.

The MECP was contacted by GHD to provide information regarding any past complaints, violations, and/or MECP directives concerning the Site. No information has been received from the MECP as of the date of this report. Typically, the MECP takes approximately 8 weeks to 12 weeks to process a file search. GHD will forward a copy of the MECP file search under separate cover to Client, if the file search identifies any environmental concerns.

The Technical Standards and Safety Authority (TSSA) was contacted by GHD and asked to provide information concerning any licensed retail fuel outlets or registered private fuel outlets located at the

[2] "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", dated April 15, 2011, MECP. Table 1 – Full Depth Background Site Condition Standards (applicable within 30 metres of Bunker's Creek) or Table 2 – Full Depth Generic Site Condition Standards in a Potable Ground Water Condition (applicable elsewhere at the Site beyond 30 metres of Bunker's Creek).

Site. TSSA personnel provided e-mail correspondence to GHD dated November 5, 2019, indicating that they did not identify any records to be associated with the Site addresses.

A copy of the correspondence with the TSSA is included in **Appendix F**.

3.2.2 Environmental Databases Search

GHD contracted EcoLog Environmental Risk Information Services Ltd. (ERIS) to conduct a search of available federal, provincial, and private environmental databases. Based on the coordinates of the Site, the database searches were completed to assist in the identification of environmental conditions at the Site and on adjacent properties. A summary of the pertinent findings from the database search is provided below. The complete database search report, which also identifies limitations associated with this information, is included in **Appendix G**.

Database	Number of Records	
	Site	Distance from the Site
		0-0.25 km
FEDERAL DATABASES		
Environmental Effects Monitoring (**EEM**)	None	0
Environmental Issues Inventory System (**EIIS**)	None	0
Federal Convictions (**FCON**)	None	0
Federal Contaminated Sites (**FCS**)	None	0
Fisheries & Oceans Fuel Tanks (**FOFT**)	None	0
Indian & Northern Affairs Fuel Tanks (**IAFT**)	None	0
National Analysis of Trends in Emergencies System (**NATE**)	None	0
National Defence & Canadian Forces Fuel Tanks (**NDFT**)	None	0
National Defence & Canadian Forces Spills (**NDSP**)	None	0
National Defence & Canadian Forces Waste Disposal Sites (**NDWD**)	None	0
National Energy Board Pipeline Incidents **(NEBI)**	None	0
National Environmental Emergencies System (**NEES**)	None	0
National PCB Inventory (**NPCB**)	None	0
National Pollutant Release Inventory (**NPRI**)	None	0
Parks Canada Fuel Storage Tanks (**PCFT**)	None	0
Transport Canada Fuel Storage Tanks (**TCFT**)	None	0
PROVINCIAL DATABASES		
Aggregate Inventory (**AAGR**)	None	0
Aggregate Inventory (**AGR**)	None	0
Abandoned Mines Information System (**AMIS**)	None	0

Database	Number of Records	
	Site	Distance from the Site
		0-0.25 km
Borehole (**BORE**)	None	2
Certificates of Approval (**CA**)	None	11
No records were identified in the CA database to be associated with the Site addresses. Eleven records were identified in the CA database to be associated with properties within 250 metres of the Site boundary. The records were generally associated with the Certificates of Approval for construction of sanitary and stormwater sewers, municipal water, waste management systems (93 Bradford Street; southern adjacent) and industrial air (installation of two, natural gas-fired boilers, one, natural-gas-fired heater and back up generator to provide power to Barrie Fire Station #1 during emergency situations).		
Coal Gasification Plants (**COAL**)	None	0
Compliance and Convictions (**CONV**)	None	0
Certificates of Property Use (**CPU**)	None	0
Drill Holes (**DRL**)	None	0
Environmental Activity and Sector Report (**EASR)**	None	0
Environmental Registry **(EBR)**	None	0
Environmental Compliance Approval (**ECA**)	None	11
No records were identified in the ECA database to be associated with the Site addresses. Eleven records were identified in the ECA database to be associated with properties within 250 metres of the Site boundary. The records pertained to several commercial properties for ECAs related to the construction of sanitary and storm sewers on surroundings roadways and construction of waste management systems (93 Bradford Street; southern adjacent).		
List of TSSA Expired Facilities **(EXP)**	None	12
• No records were identified in the EXP database associated with the Site addresses. • Two records were identified for propane tanks installed at Triple B Warehousing Ltd. located at 80 Bradford Street approximately 25 metres west (hydraulically upgradient) of the Site. Three records were identified for a fuel storage tank and related piping installed at 55 Lakeshore Drive approximately 85 metres northeast (hydraulically downgradient) of the Site for the City of Barrie Parks & Recreation Department. Seven records were identified for fuel storage tank and related piping installed at Thowisel Ltd. located at 111 Bradford Street approximately 160 metres south/southwest (hydraulically crossgradient) of the Site.		
Ontario Regulation 347 Waste Generators Summary **(GEN)**	None	102
• No records were identified in the GEN database to be associated with the Site addresses. 102 records were identified to be associated with properties located within the 250 metres of the Site boundary. Relevant records pertaining to the adjacent properties are discussed below: • Multiple commercial and retail entities were identified for the western (hydraulically upgradient) adjacent property located at 80 Bradford Street. Entities were identified as a generator of Subject waste such as waste oils and lubricants (Subject waste class 252), pathological wastes (Subject waste class 312) and pharmaceuticals (Subject waste class 261). • The former school building on the western (hydraulically upgradient) adjacent property located at 50 Bradford Street was identified in the GEN database from 1999 to 2016. Simcoe County District School Board was identified as a generator of Subject waste such as organic laboratory chemicals (Subject waste class 263), paints/pigments/coat residues (Subject waste class 145),		

Database	Number of Records	
	Site	Distance from the Site
		0-0.25 km
inorganic laboratory chemicals (Subject waste class 148) and waste compressed gases (Subject waste class 331). GEN records strictly identify waste generation sites and not spills or releases related to Subject/Hazardous Wastes. For a complete listing of records, refer to **Appendix G**.		
TSSA Historic Incidents **(HINC)**	None	4
• No records were identified in the HINC database associated with the Site addresses. • Four records were identified in the HINC database for properties within 250 metres of the Site boundary. Records pertained to striking of a natural gas transmission pipeline on November 15, 2006, at 31, 33 and 35 Toronto Street approximately 170 metres north (hydraulically crossgradient) of the Site and on January 21, 2009 at 37 Ellen Street approximately 170 metres south/southeast (hydraulically crossgradient) of the Site.		
TSSA Incidents (**INC**)	None	1
• No records were identified in the INC database associated with the Site addresses. • One record was identified for an oil spill from a generator at Lakeshore Drive and Victoria Street approximately 250 metres south/southeast (hydraulically crossgradient) of the Site.		
Landfill Inventory Management Ontario (**LIMO**)	None	1
• No records were identified in the LIMO database associated with the Site addresses. • One record was identified in the LIMO database associated with historic and closed landfills along Vespra Street and Bradford Street (Bunker's Creek Landfills). These records are further discussed in Anderson's Waste Disposal Sites (ANDR).		
Mineral Occurrences (**MNR**)	None	0
Non-Compliance Reports (**NCPL**)	None	0
Ontario Inventory of PCB Storage Sites (**OPCB**)	None	0
Ontario Oil and Gas Wells (**OOGW**)	None	0
Orders (**ORD**)	None	0
Pesticide Register **(PES)**	None	0
TSSA Pipeline Incidents (**PINC**)	None	0
Private and Retail Fuel Storage Tanks **(PRT)**	None	2
• No records were identified in the PRT database to be associated with the Site addresses. • Two records were identified in the PRT database for properties within 250 metres of the Site boundary. Tom's Auto Service was located 160 metres south/southwest (hydraulically crossgradient) at 111 Bradford Street. One record was identified in the FST database to be associated with a 20,000-litre UST installed in 2001. The UST was operated by the City of Barrie Parks & Recreation Department and was located approximately 85 metres northeast (hydraulically downgradient) of the Site at 55 Lakeshore Drive.		
Permit to Take Water (**PTTW**)	None	0
Ontario Regulation 347 Waste Receivers Summary (**REC**)	None	0
Record of Site Condition **(RSC)**	None	6
No records were identified in the RSC database to be associated with the Site addresses. Six records were identified in the RSC database to be associated with the properties within 250 metres of the Site boundary.		

Database	Number of Records	
	Site	Distance from the Site
		0-0.25 km
The records pertain to RSCs submitted between 2007 and 2008 for Invar (Vespra) Limited located at 33 Ellen Street approximately 70 metres south/southeast (hydraulically crossgradient) of the Site and Victoria Square Developments Inc. located at 37 Ellen Street approximately 60 metres south/southeast (hydraulically crossgradient) of the Site.		
Ontario Spills **(SPL)**	None	40
No records were identified in the SPL database associated with the Site addresses. Forty records were identified in the SPL database to be associated with properties within 250 metres of the Site boundary. Relevant records of adjacent properties are discussed below and remaining records are presented in **Appendix G**. • Eight records were identified related to minor spills of sewage on the western (hydraulically upgradient) adjacent property addressed as 80 Bradford Street, located approximately 25 metres from the Site. • One record of release of transformer oil to the ground surface was identified for the southern (hydraulically crossgradient) adjacent property addressed as 93 Bradford Street, located approximately 26 metres from the Site. • Based on the distance and inferred groundwater flow direction, environmental impact to the Site from the remaining releases is not anticipated.		
Wastewater Discharger Registration Database (**SRDS**)	None	0
Variances for Abandonment of Underground Storage Tanks (**VAR**)	None	0
Waste Disposal Sites - MOE CA Inventory (**WDS**)	None	0
Waste Disposal Sites - MOE 1991 Historical Approval Inventory (**WDSH)**	None	0
Water Well Information System **(WWIS)**	4	52
Four records were identified in the WWIS database to be associated with the Site addresses. Two records were identified for the cluster of monitoring wells that were installed at the Site between 2009 and 2012. One record was identified for private water well installed at the Site on August 28, 1975, by the Tannery. The location of the remaining well could be determined.		
PRIVATE DATABASES		
Anderson's Waste Disposal Sites (**ANDR**)	None	2
• No records were identified in the ANDR database associated with the Site addresses. • Two ANDR records were identified with landfills/dumps (Bunker's Creek Landfills) within 250 metres of the Site boundary. Bunker Creek Landfills were operated west (hydraulically upgradient) of the Site near Vespra Street, Innisfil Road, and Bradford Street. Bunker's Creek meanders through these Landfills before it enters onto the Site. Based on a review of Golder Associates 2017 and 2018 Annual Monitoring Program Reports prepared for the Bunker's Creek Landfills, municipal waste was buried between 1956 and 1964 which extended underneath the City of Barrie owned and privately-owned industrial/commercial properties located to the west of the Site as identified on **Figure 5**. Metals (copper, iron, lead, and vanadium) and PAHs impacts were identified in the surface water samples collected from Bunker's Creek at concentrations above the applicable Provincial Water Quality Objectives (PWQO). Based on a review of historical Phase Two ESA data for samples collected within 30 metres of the Bunker's Creek, metals (copper, lead and vanadium) and PAHs were also identified in soils, sediment, and groundwater samples. It is possible some impacts may have migrated onto the Site from the historical landfilling operations hydraulically upgradient of the Site.		

Database	Number of Records	
	Site	Distance from the Site
		0-0.25 km
The historical Bunker's Creek landfilling operations are included in O. Reg. 153/04 as a PCA. Based on the proximity to the Site, and the known surface water impacts, these landfills were identified as having the potential to contribute to an area of potential environmental concern (**APEC #11**) on the southwestern portion of the Site along Bunker's Creek.		
Automobile Wrecking & Supplies (**AUWR**)	None	0
Commercial Fuel Oil Tanks (**CFOT**)	None	0
Chemical Register (**CHEM**)	None	0
ERIS Historical Searches **(EHS)**	3	23
Fuel Storage Tank **(FST)**	None	1
• No records were identified in the FST database associated with the Site addresses. • One record was identified in the FST database for a 20,000-litre gasoline UST installed at 55 Lakeshore Drive approximately 85 metres northeast (hydraulically downgradient) of the Site. The UST was operated by the City of Barrie Parks & Recreation Department.		
Fuel Storage Tank - Historic **(FSTH)**	None	0
• No records were identified in the FSTH database associated with the Site addresses. • One record was identified in the FSTH database for a 9,000-litre diesel UST installed in 1976, and a 20,000-litre gasoline UST installed in 2001 at 55 Lakeshore Drive approximately 85 metres northeast (hydraulically downgradient) of the Site. The USTs were operated by the City of Barrie Parks & Recreation Department.		
Canadian Mine Locations (**MINE**)	None	0
Oil and Gas Wells (**OGW**)	None	0
Canadian Pulp and Paper (**PAP**)	None	0
Retail Fuel Storage Tanks **(RST)**	None	1
• No records were identified in the RST database associated with the Site addresses. • One record was identified in the RST database for Tom's Auto Service located at 111 Bradford Street approximately 160 metres south/southwest (hydraulically crossgradient) of the Site.		
Scott's Manufacturing Directory (**SCT**)	None	8
Anderson's Storage Tanks (**TANK**)	None	0

GHD also reviewed the list of unplottable properties and identified 78 listings. No listings were observed that could cause potential environmental impact on the Site.

3.3 Physical Setting

The Site is located in predominantly mixed use neighborhood (residential and commercial) in Barrie, Ontario.

3.3.1 Aerial Photographs

Aerial photographs were reviewed to generally document the development of the Site and properties in the vicinity of the Site, and to identify the existence of any significant areas of actual or potential

environmental concern at the Site. Aerial photographs of the Site and surrounding area were obtained by GHD from the ERIS for the years 1946, 1966, 1981, and 2013. GHD also reviewed aerial images of the Site and surrounding area publically available from County of Simcoe Interactive Mapping Application service for the years 1997, 2002 and 2018. Based on the history of the Site and the quantity and quality of the aerial imagery available for review, the selected time period between aerial photographs of approximately 10 to 25 years was determined to be suitable for the purposes of this Phase One ESA.

1946 Aerial Photograph (Scale 1:20,000): Review of the 1946 aerial photograph show the Site and adjacent properties to the north, east, south, and west are generally developed with features/structures consistent with the buildings, railway tracks, and roads depicted by the 1946 FIP (Refer to Section 3.1.3 for detailed description of Site and surrounding properties). Kempenfelt Bay (Lake Simcoe) was visible approximately 40 metres east of the Site.

1966 Aerial Photograph (Scale 1:6,000): Review of the 1966 aerial photograph show the Site and adjacent properties to the north, south, and west are generally developed with features/structures consistent with buildings, railway tracks, and roads depicted by the 1971 FIP. An area to the east of the Site, adjacent to Kempenfelt Bay (Lake Simcoe) appears to have been filled/graded for recreational use and the construction of Lakeshore Drive.

1981 Aerial Photograph (Scale 1:50,000): Due to the scale and clarity of the 1981 aerial photograph, specific details regarding the on-Site structures and adjacent properties to the north, south, and west could not be determined. The adjacent property to the east of the Site appears to have been further filled/graded for development.

1997-2002 Aerial Images: The 1997 and 2002 aerial images no longer show the tannery buildings on the northern portion of the Site. The current automotive garage building was visible on the western portion of the Site. A portion of the northern adjacent property was redeveloped with one of the existing high-rise residential condominium buildings. No significant changes in land use were observed on the surrounding adjacent properties to the east, south, and west since 1981.

2013 Aerial Photograph (Scale 1: 13,000) and 2018 Aerial Image: Review of the 2013 and 2018 aerials indicate that there had been no significant changes in land use on the Site with the exception of the demolition of the eastern portion of the Site building. An artificial pond was depicted on the adjacent property to the south in the 2013 aerial image. A second high-rise residential condominium building had been constructed on the northern adjacent property since 2002. No significant changes in land use were observed on the surrounding adjacent properties to the east and west since 2002. The 2018 aerial photograph approximates the condition of the Site and adjacent properties to the north, east, south, and west as observed by GHD during the Site reconnaissance.

Copies of reviewed aerial photographs of the Site are presented in **Appendix H**.

3.3.2 Topography, Hydrology, Geology

Overall, topographic gradient at the Site slopes towards Kempenfelt Bay (Lake Simcoe). The elevation on Site is approximately 220 metres above mean sea level (mASL)[3]. Regional topography slopes steadily towards Lake Simcoe to the east.

Bunker's Creek is present along the southern Site boundary. The creek drains into Kempenfelt Bay (Lake Simcoe) located approximately 65 metres east of the Property. The approximate depth to groundwater in the existing monitoring wells ranged from 0.8 metres below ground surface (mBGS) to 4 mBGS during a recent groundwater monitoring event performed on September 13, 2019. Based on groundwater elevations observed in the on-Site monitoring wells, review of previous environmental reports, and the presence of Lake Simcoe to the east of the Site, groundwater and surfacewater in the area of the Site flow to the east.

A review of quaternary geology for the Site indicates that the Site is located in the broad physiographic region known as Sand Plain[4]. Overburden in the vicinity of the Site consists of Glaciolacustrine deposits, consists of undifferentiated sand, gravel, minor silt and clay[5]. The bedrock geology in the vicinity of the Site consists of Shadow Lake Formation, which is predominantly comprised of limestone, dolostone, shale, arkose and sandstone[6].

Based on observations of subsurface conditions during previous investigations, sandy and silty fill soils with brick, asphalt, glass, wood etc., are present from near the surface to a range of approximately 1.5 mBGS to 6 mBGS. Organic peat has been encountered at certain locations underneath the fills soils. Native soils underneath the fill material consists of sand, silt, silty sand and/or sandy silt followed by silty clay. Bedrock was not encountered in the soil boreholes.

Topographic information for the Phase One ESA study area is included on **Figure 1**. A discussion of water bodies located within the vicinity of the Site is provided in Section 3.3.4. Well records identified within the Phase One ESA study area are discussed in Section 3.3.5.

3.3.3 Fill Materials

Based on observations of subsurface conditions during recent investigative activities, and review of previous borehole logs prepared for the Site, the Site appear to have been filled or graded, likely prior to initial development. Sandy and silty fill soils with brick, asphalt, glass, wood etc., were observed to extend from near the surface to a range of approximately 1.5 mBGS to 6.0 mBGS. Site personnel were not aware of any other fill materials being present at the Site.

The historical importation of fill material at the Site is included in O. Reg. 153/04 as a PCA (#30 - Importation of Fill Materials of Unknown Quality) and has been identified as an area of potential environmental concern on the entire Site (**APEC #2**).

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3 Natural Resources Canada (map). "The Atlas of Canada - Toporama", governed by version 2.3 of the Open Government License - Canada. October 19, 2015. < http://atlas.nrcan.gc.ca/toporama/en/index.html>

4 Chapman, L. J., and D. F., Putnam (1984), "The Physiography of Southern Ontario", Ontario Geological Survey.

5 "Quaternary Geology of Ontario" (map). Scale 1:1,000,000. OGS Earth Geoscience Data (computer files). Sudbury, Ontario: Ontario Geological Survey & Ministry of Northern Development and Mines, 2010.

6 Morris, T.F., 1994. Quaternary Geology, Essex County Area (West Half), Ontario Geological Survey, Map P.3253, Scale 1:50,000.

3.3.4 Water Bodies and Areas of Natural Significance

Bunker's Creek is present along the southern Site boundary.

In accordance with O. Reg. 153/04, an "area of natural significance" is defined as any of the following.

1. An area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources and Forestry (MNRF) as having provincial significance.
3. A wetland identified by the MNRF as having provincial significance.
4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.
6. An area identified by the MNRF as significant habitat of a threatened or endangered species.
7. An area which is a habitat of a species that is classified under Section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.
9. An area set apart as a wilderness area under the Wilderness Areas Act.

A summary of GHD's review is provided below:

1. The Site is not an area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. The Site is not considered to be an area of natural and scientific interest (life science or earth science) as identified by the MNRF as having provincial significance.
3. The Site is not a wetland identified by the MNRF as having provincial significance.
4. The southern portion of the Site along Bunker's Creek is designated in the City of Barrie Official Plan (Natural Heritage Resources) as "environmental significant" and designated as Level 1 subject to existing development conditions. Additionally, the eastern and southern portions of the Site are mapped within area regulated by the Lake Simcoe Region Conservation Authority.
5. The Site is not an area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.

6. The Site and adjacent properties are developed as early the late 1890s and located within an urban City centre. As such, the Site is not interpreted to represent a habitat of endangered or threatened species.
7. As noted above, the Site is not interpreted to represent a habitat of endangered or threatened species.
8. The Site is not located within an area designated as part of the Oak Ridges Moraine natural core area or natural linkage area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.
9. The Site is not an area set apart as a wilderness area under the Wilderness Areas Act.

Based on the above information and the definition of area of natural significance provided in O. Reg. 153/04, the Site is considered to be an area of natural significance for RSC filing purposes.

3.3.5 Well Records

A search of the MECP WWIS database was conducted as a component of the EcoLog ERIS database search outlined in Section 3.2.2. Four records were identified in the WWIS database to be associated with the Site addresses. Two records were identified for the cluster of monitoring that were installed between 2009 and 2012 at the Site. One record was identified for a private water well installed on August 28, 1975, by the Tannery (Barrie Tanning Ltd.). The location of the remaining well could not be determined.

3.3.6 Site Operating Records

No operating records were identified to be associated with the Site.

4. Interviews

GHD was unaccompanied during the Site reconnaissance. As part of the Phase One ESA, GHD reviewed a completed Site owner interview questionnaire from the following individual.

Site Personnel	Position	Years Familiar with the Site
Ms. Leah Axt	Environmental Director	< 1 (June 2019 – present)
Mr. Jason Green	Director - Development	< 1 (June 2019 – present)

The information provided to GHD by those interviewed was compared to other information sources that were reviewed by GHD, and no contradictions were observed. The interviews completed with Site personnel were focused on the historical and current use of the Property, and the topics listed in Sections 13 and 14 of Schedule D of O. Reg. 153/04 (as amended). Relevant information provided to GHD by those interviewed has been summarized in the following sections. No other previous owners or occupants of the Site could be identified during the Phase One ESA to provide information concerning the historical operations conducted at the Property.

5. Site Reconnaissance

5.1 General Requirements

On September 13, 2019 and November 8, 2019, Mr. Aditya Khandekar of GHD completed a Site reconnaissance of the Property.

The Site reconnaissance was completed on November 8, 2019 from approximately 9:30 a.m. to 11:30 a.m. Weather conditions during the Site visit were sunny, with an ambient air temperature of approximately -1°C.

GHD was unaccompanied during the Site reconnaissance. The Site reconnaissance included a walk-through of the Property to confirm the current Site conditions and identify any current land uses, which may have or may cause actual and/or potential environmental impacts to the Site. Adjoining and neighbouring properties were observed from the Site and public access ways.

Due to potential security concerns, GHD could not completed a detailed inspection of all areas of the on-Site building. GHD relied on photographs taken through the building windows/doors, and historical documents to document the condition and historic uses of the building.

Photographs of the Site are included in **Appendix I**.

5.2 Specific Observations at Phase One ESA Property

5.2.1 Building and Property

The Site consists of five-adjoining parcels of commercial land totaling approximately 3.5 hectares (8.6 acres) identified as PINs: 58795-0030 LT (51 Bradford Street), 58795-0031 LT (55 Bradford Street), 58795-0555 LT (75 Bradford Street), 58795-0597 LT (75 Bradford Street) and 58795-0598 LT (75 Bradford Street). Based on a review of the Simcoe County property search, the Site is currently addressed as 20 Checkley Street and identified by a consolidated PIN: 58795-0643 (LT).

The majority of the Site is vegetated land with a commercial building (vacant) and associated paved parking areas on the southwestern portion of the Site, which was most recently used for auto sales and repair. According to information presented in a 2000 Multirisk Survey, the existing Site building was constructed in the 1950s with additions/renovations in 1970. A portion of Bunker's Creek is present along the southern Site boundary.

The building on the western portion of the Site appears to have been renovated for automotive sales. In several locations, the concrete floor slab appears to have been repaired or replaced, potentially in the areas where former hoists may have been located.

5.2.2 Current/Historic Site Operations

The Site is currently vacant and no operations are currently performed.

Based on a review of historical FIPs (1917, 1946 and 1971), the Site was operated as a tannery (Barrie Tanning Ltd.) from approximately 1900 to 1985. The FIPs identified the presence of a five-story tannery building with various processing areas that involved measuring, staging, rolling,

greasing, dyeing, finishing, stretching, spraying and drying and tannery hide storage areas within the building. The FIPs also identified railway spurs, several underground tanks (gasoline, bunker oil, heating oil, and acid) to support the tannery operation. Some of these historical features extended beyond the existing Site boundary and the approximate locations of these features are presented on **Figure 3**. No specific information was provided regarding the type of tanning completing, or if the tanning was tannin based, or chemical (i.e., chromium) based. No evidence or remnants of the historical tannery and associated structures were observed by GHD at the time of Site reconnaissance. The historical operation of a tannery facility at the Site is included in O. Reg. 153/04 as a PCA (#53 - Tannery) and has been identified as an area of potential environmental concern on the entire Site (**APEC #1**).

No details concerning the construction of the railway spurs and specifically the quality of the fill material used to construct the railway spurs were available. It was common practice in the past to utilize slag as railway ballast. In addition, wood railway ties would have been treated with creosote. In addition, no information was available regarding the historic operation of coal sheds, the historic storage of coal, or the potential for coal residue to remain at the Site. The historical operation of railway spurs, and the associated coal storage, at the Site is included in O. Reg. 153/04 as a PCA (#46 - Rail Yards, Tracks, and Spurs) and has been identified as an area of potential environmental concern (**APEC #3**).

Auto service dealerships operated at the Site from at least 1966 to at least 2009. Based on a review of Google Street View, Barrie's Auto Detailing and Cars Mart Inc. most recently occupied the Site in 2009. Vehicle maintenance and servicing operations were likely performed in the Site building. Historical records also identified the operation of a heating oil UST, potentially a gasoline UST and the presence of multiple hoists in the Site building. Specific operations are not known but would have consisted of vehicle fluid changes and light maintenance/repair operations involving the replacement of "bolt-on" components. GHD is unaware if engine or transmission rebuilding operations were performed at the Site. The historical vehicle maintenance and servicing operations performed in the Site building are in O. Reg. 153/04 as a PCA (#52 - Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems), and the Site building and surrounding paved area has been included in this report as an area of potential environmental concern (**APEC #4**).

5.2.3 Utility Services

According to Site personnel, municipal potable water connections are present at the Site; however, the potable water service to the Site has been turned off. As previously discussed, a potable water well was historically associated with the Barrie Tanning Ltd. facility, although a specific location for the potable water well could not be confirmed. No information was available regarding the current status of the well. No water supply, oil/gas, irrigation or dry wells are or known to have previously been present on the Site, according to Site personnel. No evidence of water supply, oil/gas, irrigation, or dry wells was observed by GHD during the Site reconnaissance.

The Site is currently connected to the City of Barrie's municipal sanitary sewer system for the discharge of domestic wastewater. According to Site personnel, no septic systems are or known to have previously been present on the Site. No evidence of septic systems was observed by GHD during the Site reconnaissance.

Evidence of multiple groundwater monitoring wells installed by previous consultants and by GHD as part of Site investigations was observed by GHD. Existing monitoring wells present at the Site are presented on Figures 3 and 4.

Electricity and natural gas connections are present at the Site, however, the Site is no longer connected to these utilities.

5.2.4 Underground Storage Tanks (USTs)

Based on a review of the 1971 FIP, bunker and heating oil USTs were present in the northern portion of the Site to support the tannery operation. In addition, USTs may have been operated at the Site as part of the auto sales and repair operation. At the time of the Site reconnaissance, no evidence of current or past operation of USTs (e.g., vent pipes, fill ports, etc.) was observed by GHD. No evidence of missing portions of concrete slabs/foundations were observed at the Site that may indicate the former presence of subgrade structures such as USTs. Site personnel were unaware of any historical or current USTs having been present at the Site. The Site addresses were not identified in the tank databases searched by ERIS or in the records search performed by the TSSA.

No reports or data pertaining to the UST removal were available for GHD's review. During a previous investigation, the historical fuel storage activities are included in O. Reg. 153/04 as a PCA (#28 - Gasoline and Associated Products Storage in Fixed Tanks) and the heating storage area and has been identified as an area of potential environmental concern (**APEC #5**).

5.2.5 Above Ground Storage Tanks (ASTs)

At the time of the Site reconnaissance, no evidence of current or past operation of ASTs at the Site was observed by GHD. It should be noted that the 1977 Fire Inspection and Rate Calculation Report and Site Plan identified a small heating AST for the hot-water furnace which may have acted as a "dry tank". Site personnel were unaware of any other historical or current ASTs having been present at the Site.

5.2.6 Floor Drains, Pits, and Sumps

Based on observations made by GHD during the Site reconnaissance, no evidence of floor drains, pits or sumps were observed in the Site building. No information was available regarding the number, location, or connectivity of any floor drains associated with the former tannery.

5.2.7 Wastewater/Sewers

According to Site personnel, no process wastewater is generated or discharged from the Site building. Sanitary wastewater from sinks, toilets, and janitorial wash water in the current building were reportedly discharged to the City of Barrie's municipal sanitary sewer system in the past. No information was available regarding the connectivity of the waste system associated with the former tannery, the quality of any wastewater discharged, or the ultimate disposal location.

5.2.8 Stormwater/Surface Water

Stormwater at the Site consists of precipitation runoff from the Site building roof and related impervious surfaces such as the paved parking areas. Stormwater at the Site infiltrates the vegetated surfaces and/or flows overland to adjoining properties generally to the south and east or stormwater drainage features. No sources of adverse impact to stormwater generated at the Site were observed by GHD during the Site reconnaissance. Site personnel were unaware of any potential sources of stormwater impact to the Site.

At the time of the Site reconnaissance, no visual evidence of impact from surface water run-on from adjacent properties was observed by GHD. Site personnel were unaware of any potential sources of surface water impact to the Site. It should be noted that previous environmental investigations have identified PAHs and metals impacts in sediment encountered in Bunker's Creek located on the southern portion of the Property which further drains into Lake Simcoe east of the Property. The Site has been developed as early the late 1890s and Site within an urban City centre. As such, the impacts in sediments may relate to historical on-Site or off-Site operations.

5.3 Enhanced Investigation Property

The Phase One ESA property is considered to be an Enhanced Investigation property if it is currently used or has ever been used in whole or in part for industrial use, or commercial uses including a garage, a bulk liquid dispensing facility such as a gas station, or for the operation of dry cleaning equipment.

Based on a review of historical FIPs, historical Site operations included a tannery (Barrie Tanning Ltd.) with railway spurs and USTs, and operation of a coal and wood yard (Mickle Dyment & Co.), from as early as 1900 to at least 1985. Auto service dealerships operated at the Site from at least 1966 to at least 2009.

All reasonable inquiries were made to obtain and review the following material with respect to the former use:

- Regulatory permits and records related to areas of potential environmental concern (documented in 3.2.1).
- Material safety data sheets (not available).
- Underground utility drawings (not available).
- Inventories of chemicals, chemical usage and chemical storage areas (documented in 5.3.4 and 5.3.5).
- Inventory of USTs and ASTs (documented in 5.2.4 and 5.2.5).
- Environmental monitoring data (not available).
- Waste management records (documented in 5.3.5).
- Process, production and maintenance documents (not available).
- Records of spills and discharges of contaminants (documented in 5.3.6).
- Emergency response and contingency plans (not available).

- Environmental audit reports (not available).

Based on the information reviewed by GHD, the Site is considered to be an enhanced investigation property.

5.3.1 Asbestos-Containing Materials (ACM)

An asbestos survey was not conducted to examine areas of concealed spaces for the presence of ACM as part of this Phase One ESA. Potential ACM observed by GHD during the Site reconnaissance were limited to vinyl floor tiles and associated mastic, and wallboard and associated joint compound. All materials were observed to be in good condition at the time of the Site reconnaissance. Additional potential ACM may be present in areas inaccessible to GHD during the Site reconnaissance. The Site building at the Site was constructed in the 1950s with additions/renovations in 1970. Site personnel were unaware if an asbestos survey was performed at the Site. All potential ACM were observed to be in good condition at the time of the Site reconnaissance.

It should be noted that the 1977 Fire Inspection and Rate Calculation Report identified several rooms which were reportedly finished with asbestos siding. As previously identified, GHD was unable to complete a detailed inspection of all rooms in the building.

5.3.2 Polychlorinated Biphenyls (PCBs)

According to Site personnel, no PCB-containing equipment is currently used, stored, or handled at the Site. At the time of the Site reconnaissance, GHD did not observe any potential PCB-containing equipment at the Site with the exception of fluorescent light ballasts located in the Site building. Fluorescent light ballasts could contain small quantities of PCBs; however, the light ballasts were observed to be in good working condition and, even if PCB-containing, do not represent a significant liability.

Site personnel also reported that no PCB Wastes are stored at the Site. No evidence of PCB Waste storage was observed by GHD at the time of the Site reconnaissance. No evidence of any transformers or backup generators were identified on the Property.

5.3.3 Solid Waste/Recyclable Materials

According to Site personnel, solid wastes are not produced as no operations are performed at the Site. No evidence of the on-Site disposal of solid waste was observed by GHD during the Site reconnaissance.

5.3.4 Chemical and Raw Material Use and Storage

Based on discussions with Site personnel, no chemicals are currently used or stored at the Site. At the time of the Site reconnaissance, no visual evidence of spills or releases was observed by GHD.

Investigation derived waste (soil and groundwater) from the recent environmental investigation was observed to be stored in 55-gallon steel drums.

5.3.5 Subject Waste/Hazardous Waste

The Site is not registered with the MECP as a generator of Subject waste. Based on discussions with Site personnel, no Subject or Hazardous Wastes are generated at the Site. No evidence of on-Site generation of Subject or Hazardous Wastes was observed by GHD at the time of the Site reconnaissance.

5.3.6 Chemical Spills/Releases

At the time of the Site reconnaissance, GHD did not observe any visual evidence of chemical spills or releases at the Site. No evidence of any exterior staining or distressed vegetation was observed during the Site reconnaissance. According to Site personnel, no spill/release incidents have occurred at the Site to their knowledge.

5.3.7 Lead-Based Paint

The amount of lead in interior paint has been regulated since 1976 through Health Canada's Hazardous Products Act. Most interior surfaces in the Site building are painted. No chipped or flaking paint was observed during the Site reconnaissance. Additional painted surfaces may be present in areas not accessible during the Site reconnaissance. The building would be expected to contain LBP based on construction occurring prior to 1978. Lead content of paint cannot be verified without laboratory analysis. Site personnel were not aware of any lead-based paint at the Site.

5.3.8 Chlorofluorocarbons (CFCs)

Based on discussions with Site personnel and observations made by GHD during the Site reconnaissance, no equipment containing CFCs has been operated or stored at the Site.

5.3.9 Air Emissions

Based on GHD observations, air emission sources at the Site are limited to roof mounted natural gas-fired comfort heating equipment and water heater/boiler located in the Site building. At the time of the Site reconnaissance, no visual evidence of impact to the Site from the above-noted air emission sources was observed by GHD. The Site building is currently vacant.

It should be noted that the 1971 FIP identified a 38 metres (125 feet) chimney and dust collector system associated with the historical tannery operation. No evidence of odours or particulate accumulation associated with any historical air emission sources was observed by GHD.

5.3.10 Ionizing Radiation

Site personnel reported no commercial sources of ionizing radiation (e.g., fill level controllers) have been located at the Site to their knowledge. At the time of the Site reconnaissance, no sources of ionizing radiation were observed by GHD at the Site.

5.4 Written Description of Investigation

The Phase One ESA included a records review, interviews with Site personnel, a Site reconnaissance, and a review and evaluation of the information obtained during the Phase One ESA. The Site reconnaissance included a walk-through of the Property to confirm the current Site

conditions and identify any current land uses, which may have or may cause actual and/or potential environmental impacts to the Site. Adjoining and neighbouring properties were observed from the Site and public access ways.

The findings from the assessment carried out pursuant to Sections 13 and 14 of Schedule D of O. Reg. 153/04, as amended, were previously discussed in Section 5.0.

6. Review and Evaluation of Information

6.1 Current and Past Uses

The majority of the Site is vegetated land with a commercial building (vacant) and associated paved parking areas on the southwestern portion of the Site, which was most recently used for auto sales and repair. Based on a review of historical FIPs, historical Site operations included a tannery (Barrie Tanning Ltd.) with railway spurs and USTs, and operation of a coal and wood yard (Mickle Dyment & Co.) from as early as 1900 to at least 1985.

A summary of the current and past uses for each parcel are provided below.

51 Bradford Street (PIN: 58795-0030 LT)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Prior to 1833	Crown Land	Assumed to be Agricultural Land	Assumed to be Agricultural or other use	No information was available regarding land use.
1833 - 1836	David Edgar			
1836 - 1838	Richard Cobb			
1838 - 1900	Robert Ross			
1900 - 1985	Barrie Tanning Ltd.	Tannery	Industrial	Tannery based on a review of FIPs, aerial photographs, and property title records.
1985 - 1986	629508 Ontario Ltd.	Paved parking area associated with auto repair operations	Commercial	No information available regarding land use
1986 - 1989	Orval Frederick Jackson & Joanne Jackson			City directories identified ELM Auto Sales & Leasing (1989)
1989 - 1994	The Municipal Savings & Loan Corp.			City directories identified Wagner's Service Centre (1993-94)
1994 - 2008	816996 Ontario Ltd.			No significant changes in the land use since 1997 as observed on the aerial photographs.
2008 - 2008	Maybelle Holdings Corp.			
2008 - 2012	1662894 Ontario Inc.			
2012 - 2012	Harmony Village-Lake Simcoe Inc.			

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
2012 - 2012	Blue Simcoe Developments Inc.			
2012 - 2016	Wayne Safety Ltd. et al			
2016 - 2018	Fortress Kempenfelt Bay Developments Inc.			
2018 - 2019	Romspen Investment Corp.			
2019	Greenwin Barrie Inc. and 2714708 Ontario Inc.			

55 Bradford Street (PIN: 58795-0031 LT)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Prior to 1833	Crown Land	Assumed to be Agricultural Land	Assumed to be Agricultural or other use	No information was available regarding land use.
1833 - 1836	David Edgar			
1836 - 1838	Richard Cobb			
1838 - 1900	Robert Ross			
1900 - 1901	Mary Ross			
1901 - 1904	Alfred Morris & Benjamin Parker			
1904 - 1908	James Cheeseman			
1908 - 1908	Henry Jamieson			
1908 - 1931	Charles Mickle & Simon Dyment	Coal and wood yard, Tannery	Industrial	Based on a review of FIPs, aerial photographs and property title records.
1931 - 1931	Mickle Dyment & Son Ltd.			
1931 - 1935	George Cameron & Harry Ellis cob as Cameron & Ellis			
1935 - 1985	Barrie Tanning Ltd.			
1985 - 1986	629508 Ontario Ltd.	Paved parking area	Commercial	Based on a review of City directory records, Deal On

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1986 - 1989	French Motors (Barrie) Ltd.	associated with auto repair operations		Wheels (1993-94) was identified at the Site. No significant changes in the land use since 1997 as observed on the aerial photographs.
1989 - 1994	796531 Ontario Ltd.			
1994 - 2008	Rodann Investments Inc.			
2008 - 2008	1662894 Ontario Inc.			
2012 - 2012	Harmony Village-Lake Simcoe Inc.			
2012 - 2012	Blue Simcoe Developments Inc.			
2012 - 2016	Wayne Safety Ltd. et al			
2016 - 2018	Fortress Kempenfelt Bay Developments Inc.			
2018 - 2019	Romspen Investment Corp.			
2019	Greenwin Barrie Inc. and 2714708 Ontario Inc.			

75 Bradford Street (PIN: 58795-0555 LT)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Prior to 1833	Crown Land	Assumed to be Agricultural Land	Assumed to be Agricultural or other use	No information was available regarding land use.
1833 - 1836	Trinity College			
1836 - 1838	William Ardagh			
1838 - 1900	James R Burton			
1900 - 1985	Barrie Tanning Ltd.	Tannery	Industrial	Tannery based on a review of FIPs, aerial photographs, and property title records.
1985 - 1986	629508 Ontario Ltd.	Vacant land without mapped structures	Commercial	No information was available regarding land use.
1986 - 1989	Orval Frederick Jackson & Joanne Jackson			

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1989 - 1994	The Municipal Savings & Loan Corp.			
1994 - 2008	816996 Ontario Ltd.			No significant changes in the land use since 1997 as observed on the aerial photographs.
2008 - 2008	Maybelle Holdings Corp.			
2008 - 2012	1662894 Ontario Inc.			
2012 - 2012	Harmony Village-Lake Simcoe Inc.			
2012 - 2012	Blue Simcoe Developments Inc.			
2012 - 2016	Wayne Safety Ltd. et al			
2016 - 2018	Fortress Kempenfelt Bay Developments Inc.			
2018 - 2019	Romspen Investment Corp.			
2019	Greenwin Barrie Inc. and 2714708 Ontario Inc.			

75 Bradford Street (PIN: 58795-0597 LT)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Prior to 1833	Crown Land	Assumed to be Agricultural Land	Assumed to be Agricultural or other use	No information was available regarding land use.
1833 - 1836	David Edgar			
1836 - 1838	Richard Cobb			
1838 - 1900	Robert Ross			
1900 - 1901	Mary Ross			
1901 - 1904	Alfred Morris & Benjamin Parker			
1904 - 1908	James Cheeseman			
1908 - 1908	Henry Jamieson			
1908 - 1931	Charles Mickle & Simon Dyment	Coal and wood yard	Industrial	Based on a review of FIPs, aerial photographs and property title records.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1931 - 1931	Mickle Dyment & Son Ltd.			
1931 - 1935	George Cameron & Harry Ellis cob as Cameron & Ellis			
1935 - 1985	Barrie Tanning Ltd.			
1985 - 1986	629508 Ontario Ltd.	Auto repair operations	Commercial	Based on a review of City directory records, French Motors Ltd. (1961-94) was identified at the Site. According to OPTA records, the existing Site building was developed in approximately 1950s. No significant changes in the land use since 1966 as observed on the aerial photographs.
1986 - 1989	French Motors (Barrie) Ltd.			
1994 - 2008	Rodann Investments Inc. (Formerly 796531 Ontario Ltd.)			
2008 - 2008	1662894 Ontario Inc.			
2012 - 2012	Harmony Village-Lake Simcoe Inc.			
2012 - 2012	Blue Simcoe Developments Inc.			
2012 - 2016	Wayne Safety Ltd. et al			
2016 - 2018	Fortress Kempenfelt Bay Developments Inc.			
2018 - 2019	Romspen Investment Corp.			
2019	Greenwin Barrie Inc. and 2714708 Ontario Inc.			

75 Bradford Street (PIN: 58795-0598 LT)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Prior to 1833	Crown Land	Assumed to be Agricultural Land	Assumed to be	No information was available regarding land use.
	James Chewett			
1833 - 1836	David Edgar			

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1836 - 1838	Richard Cobb		Agricultural or other use	
1838 - 1900	Robert Ross			
1900 - 1901	Mary Ross			
1901 - 1904	Alfred Morris & Benjamin Parker			
1904 - 1908	James Cheeseman			
1908 - 1908	Henry Jamieson			
1908 - 1931	Charles Mickle & Simon Dyment	Coal and wood yard	Industrial	Based on a review of FIPs, aerial photographs and property title records.
1931 - 1931	Mickle Dyment & Son Ltd.			
1931 - 1935	George Cameron & Harry Ellis			
1935 - 1985	Cameron, Ellis, Gibson Ltd.			
1985 - 1986	Charles P.J. French	Vacant land without mapped structures	Commercial	No information was available regarding land use.
1986 - 1989	Howard & Valerie McKay			
1994 - 2008	Perfect Northern Developments Ltd.			No significant changes in the land use since 1997 as observed on the aerial photographs.
2012 - 2012	Harmony Village-Lake Simcoe Inc.			
2012 - 2012	Blue Simcoe Developments Inc.			
2012 - 2016	Wayne Safety Ltd. et al			
2016 - 2018	Fortress Kempenfelt Bay Developments Inc.			
2018 - 2019	Romspen Investment Corp.			
2019	Greenwin Barrie Inc. and 2714708 Ontario Inc.			

6.2 Potentially Contaminating Activity

The MECP provides a list of PCAs in Schedule D of O. Reg. 153/04, under the Environmental Protection Act. PCAs that have been identified to be on, in, or under the Phase One ESA Property, or located within the Phase One ESA study area and having the potential to contribute to an APEC are presented in Section 6.3.

6.3 Areas of Potential Environmental Concern

The following APECs have been identified by the Phase One ESA records review and Site reconnaissance and are summarized in the table below. This table is used to list and describe each PCA at the Property and each PCA in the Phase One ESA Study Area that may be contributing to an APEC at the Property.

Table 1
Table of Areas of Potential Environmental Concern
51, 55, and 75 Bradford Street, Barrie, Ontario
(Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property (Refer to Figure 4)	Potentially Contaminating Activity[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
APEC #1: Historical Tannery Operation	Entire Site	#53 - Tannery	On-Site	VOCs, PHCs, PAHs, Metals/Inorganics	Soil and Groundwater
APEC #2: Fill Quality	Entire Site	#30 - Importation of Fill Materials of Unknown Quality	On-Site	VOCs, PHCs, PAHs, Metals/Inorganics	Soil and Groundwater
APEC #3: Historical Railway Spurs	A small portion towards north, eastern and southern portions of the Site	#46 - Rail Yards, Tracks and Spurs	On-Site	PHCs, PAHs, Metals/Inorganics, Organochlorine pesticides	Soil
APEC #4: Historical Vehicle Maintenance and Servicing Operations	Existing Site building and surrounding paved area	#52 - Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems	On-Site	VOCs, PHCs, PAHs	Soil and Groundwater
APEC #5: Historical Heating Oil Storage Area	Northern portion of the Site	#28 - Gasoline and Associated Products Storage in Fixed Tanks	On-Site	BTEX, PHCs	Soil and Groundwater
APEC #6: Potential Impacts from Former Canadian General Electric Assembly Plant	Western Site Boundary	#19 - Electronic and Computer Equipment Manufacturing	off-Site	VOCs, PHCs, PCBs	Soil and Groundwater
APEC #7: Potential Impacts from Historical Storage Tanks	Southwestern portion of Site	#28 - Gasoline and Associated Products Storage in Fixed Tanks	off-Site	BTEX, PHCs	Soil and Groundwater

Area of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property (Refer to Figure 4)	Potentially Contaminating Activity[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
APEC #8: Potential Impacts from Historical Dry Cleaner	Northern portion of the Site	#37 - Operation of Dry Cleaning Equipment where chemicals are used	off-Site	VOCs	Soil and Groundwater
APEC #9: Potential Impacts from Historic Ironworks and Fabrication Facilities	Northern portion of the Site	#34 - Metal Fabrication	off-Site	Metals	Soil and Groundwater
APEC #10: Potential Impacts from Historic Storage Tanks	Northern portion of the Site	#28 - Gasoline and Associated Products Storage in Fixed Tanks	off-Site	BTEX, PHCs, pH	Soil and Groundwater
APEC #11: Historical Bunker's Creek Landfills	Southwestern portion of Site	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	off-Site	PAHs, Metals	Soil, Sediment and Groundwater

Notes:

1 APEC means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through:
(a) Identification of past or present uses on, in or under the phase one property.
(b) Identification of potentially contaminating activity.
2 PCA means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area.
3 When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for Analytical Methods in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below.

Contaminants of Concern (COCs)						
Acids, Base and Neutrals (ABNs)	Polychlorinated Biphenyls (PCBs)	Metals	Electrical Conductivity	Sodium Adsorption Ratio (SAR)	Chloride Ion (Cl-)	Organochlorine pesticides (OCs)
Chlorophenols (CPs)	Polycyclic aromatic hydrocarbons (PAHs)	Arsenic (As), Antimony (Sb), Selenium (Se)	Hexavalent Chromium (Cr (VI))	High pH	Cyanide (CN-)	Petroleum hydrocarbons (PHCs)
1,4-Dioxane	Trihalomethanes (THMs)	Sodium (Na)	Mercury (Hg)	Low pH	benzene, toluene, ethylbenzene and xylene (BTEX)	
Dioxins/Furans, Polychlorinated dibenzodioxins (PCDDs)/ Polychlorinated dibenzofurans (PCDFs)	Volatile organic compounds (VOCs)	Boron hot-water soluble (B-HWS)	Methyl Mercury		Calcium (Ca), Magnesium (Mg)	

6.4 Phase One Conceptual Site Model

The Site is located in predominantly mixed use neighborhood (residential and commercial) in Barrie, Ontario.

The Site consists of five-adjoining parcels of commercial land totaling approximately 3.5 hectares (8.6 acres) identified as PINs: 58795-0030 LT (51 Bradford Street), 58795-0031 LT (55 Bradford Street), 58795-0555 LT (75 Bradford Street), 58795-0597 LT (75 Bradford Street) and 58795-0598 LT (75 Bradford Street). Based on a review of the Simcoe County property search, the Site is currently addressed as 20 Checkley Street and identified by a consolidated PIN: 58795-0643 (LT).

The majority of the Site is vegetated land with a commercial building (vacant) and associated paved parking areas on the southwestern portion of the Site, which was most recently used for auto sales and repair. According to information presented in a 2000 Multirisk Survey, the existing Site building was constructed in the 1950s with additions/renovations in 1970. A portion of Bunker's Creek is present along the southern Site boundary. Based on a review of historical fire insurance plans (FIPs), historical Site operations included a tannery (Barrie Tanning Ltd.) with railway spurs and underground storage tanks (USTs), and operation of a coal and wood yard (Mickle Dyment & Co.) from as early as 1900 to at least 1985. No evidence or remnants of the historical tannery and associated structures were observed by GHD at the time of Site reconnaissance. Auto service dealerships operated at the Site from at least 1966 to at least 2009. Based on a review of Google Street View, Barrie's Auto Detailing and Cars Mart Inc. most recently occupied the Site in 2009.

Overall, topographic gradient at the Site slopes towards Kempenfelt Bay (Lake Simcoe). The elevation on Site is approximately 220 mASL. Regional topography slopes steadily towards Lake Simcoe to the east.

Bunker's Creek is present along the southern Site boundary. The creek drains into Kempenfelt Bay (Lake Simcoe) located approximately 65 metres east of the Property. The approximate depth to groundwater in the existing monitoring wells ranged from 0.8 mBGS to 4 mBGS during a recent groundwater monitoring event performed on September 13, 2019. Based on groundwater elevations observed in the on-Site monitoring wells, review of previous environmental reports, and the presence of Lake Simcoe to the east of the Site, groundwater and surfacewater in the area of the Site flow to the east.

A review of quaternary geology for the Site indicates that the Site is located in the broad physiographic region known as Sand Plain. Overburden in the vicinity of the Site consists of Glaciolacustrine deposits, consists of undifferentiated sand, gravel, minor silt and clay. The bedrock geology in the vicinity of the Site consists of Shadow Lake Formation, which is predominantly comprised of limestone, dolostone, shale, arkose and sandstone.

Based on observations of subsurface conditions during previous investigations, sandy and silty fill soils with brick, asphalt, glass, wood etc., are present from near the surface to a range of approximately 1.5 mBGS to 6 mBGS. Organic peat has been encountered at certain locations underneath the fills soils. Native soils underneath the fill material consists of sand, silt, silty sand and/or sandy silt followed by silty clay. Bedrock was not encountered in the soil boreholes.

The southern portion of the Site along Bunker's Creek is designated in the City of Barrie Official Plan (Natural Heritage Resources) as "environmental significant" and designated as Level 1 subject to existing development conditions. Additionally, the eastern and southern portions of the Site are mapped within area regulated by the Lake Simcoe Region Conservation Authority. Based on the above information and the definition of area of natural significance provided in O. Reg. 153/04, the Site is considered to be an area of natural significance for RSC filing purposes.

The Phase One Conceptual Site Model is depicted on **Figure 4**.

7. Conclusions

Based on the results of the Phase One ESA, including the Site reconnaissance, information provided by Site representatives and regulatory agencies, documents reviewed, and the review of Site history the following APECs were identified to be associated with the Site.

APEC #1 - Historical Tannery Operation (on-Site)

Based on a review of historical records, the Site was operated as a tannery (Barrie Tanning Ltd.) from approximately 1900 to 1985. The FIPs identified the presence of a five-story tannery building with various processing areas that involved measuring, staging, rolling, greasing, dyeing, finishing, stretching, spraying and drying, and tannery hide storage areas within the building. The FIPs also identified railway spurs, several underground tanks (gasoline, bunker oil, heating oil, and acid storage) to support the tannery operation. Some of these historical features extended beyond the existing Site boundary and the approximate locations of these features are presented on Figure 3. No specific information was provided regarding the type of tanning completing, or if the tanning was tannin based, or chemical (i.e., chromium) based. No evidence or remnants of the historical tannery and associated structures were observed by GHD at the time of Site reconnaissance. Investigations performed at the Site to date have identified soil and groundwater impacts with VOCs, PHCs, PAHs, metals and salt exceeding the 2011 MECP Standards.

The historical operation of a tannery facility at the Site is included in O. Reg. 153/04 as a PCA (#53 - Tannery) and has been identified as an area of potential environmental concern on the entire Site (**APEC #1**).

APEC #2 - Fill Quality (on-Site)

Based on observations of subsurface conditions during recent investigative activities, and review of previous borehole logs prepared for the Site, the Site appears to have been filled or graded, likely prior to initial development. During previous investigations, sandy and silty fill soils with brick, asphalt, glass, wood, etc. were observed to extend from near the surface to a range of approximately 1.5 mBGS to 6 mBGS. Investigations performed at the Site have identified impacts in the fill material with VOCs, PHCs, PAHs, metals and salt exceeding the 2011 MECP Standards.

The historical importation of fill material at the Site is included in O. Reg. 153/04 as a PCA (#30 - Importation of Fill Materials of Unknown Quality) and has been identified as an area of potential environmental concern on the entire Site (**APEC #2**).

APEC #3 - Historical Railway Spurs (on-Site)

Based on a review of historical FIPs (1917, 1946 and 1971), railway spurs historically entered the Site from the northeastern adjacent property, and crossed just south of the former tannery building in the northern portion of the Site, and were located just north of coal sheds in the southern portion of the Site. Railway tracks were also present along the eastern Site boundary. The railway spurs were utilized for the transport/receipt of bulk raw materials utilized in the tannery operation and coal which was stored in coal sheds, from at least 1900 until 1985.

No details concerning the construction of the railway spurs and specifically the quality of the fill material used to construct the railway spurs were available. It was common practice in the past to utilize slag as railway ballast. In addition, wood railway ties would have been treated with creosote. Pesticides may have also been used to control vegetation along the spur. In addition, no information was available regarding the historic operation of coal sheds, the historic storage of coal, or the potential for coal residue to remain at the Site.

The historical operation of railway spurs, and the associated coal storage, at the Site is included in O. Reg. 153/04 as a PCA (#46 - Rail Yards, Tracks, and Spurs) and has been identified as an area of potential environmental concern in the central and southern portions of the Site (**APEC #3**).

APEC #4 - Historical Vehicle Maintenance and Servicing Operations (on-Site)

Based on a review of historical records, the existing Site building was operated as an auto service dealership(s) from at least 1966 to at least 2009. Based on a review of Google Street View, Barrie's Auto Detailing and Cars Mart Inc. most recently occupied the Site in 2009. Vehicle maintenance and servicing operations were likely performed in the Site building. Historical records also identified the operation of a heating oil UST, potentially a gasoline UST, and the presence of multiple hoists in the Site building. Specific operations are not known but would have likely consisted of vehicle fluid changes and light maintenance/repair operations involving the replacement of "bolt-on" components. GHD is unaware if engine or transmission rebuilding operations were performed at the Site.

The historical vehicle maintenance and servicing operations performed in the Site building are included in O. Reg. 153/04 as a PCA (#52 - Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems), and the Site building and surrounding paved area and has been identified as an area of potential environmental concern (**APEC #4**).

APEC #5 - Historical Heating Oil Storage Area (on-Site)

Based on a review of the 1971 FIP, bunker and heating oil USTs were present in the northern portion of the Site to support the tannery operation. No reports or data pertaining to the UST removal were available for GHD's review. Monitoring well BH-205 was advanced approximately 18 metres east of the approximate location of the USTs. PAH impacts exceeding the 2011 MECP Table 2 Standards were identified in a soil sample collected from 0.6 mBGS to 1.2 mBGS. PHC impacts were not observed in the related groundwater sample. No evidence of vent pipes, fill ports, etc. was observed by GHD during the Site reconnaissance.

The historical fuel storage activities are included in O. Reg. 153/04 as a PCA (#28 - Gasoline and Associated Products Storage in Fixed Tanks) and the heating oil storage area and has been identified as an area of potential environmental concern (**APEC #5**).

APEC #6 - Potential Impacts from Former Canadian General Electric Assembly Plant (off-Site, west of Property)

A former Canadian General Electric Co. assembly plant building is located at 80 Bradford Street immediately to the west (hydraulically upgradient) of the Site, beyond Bradford Street. The plant manufactured and assembled small electrical appliances from approximately 1945 to approximately 1985. Currently, the plant building has been remodeled for multi-tenant retail/commercial use. The FIPs identified the assembly plant with various processing areas such as appliance assembly, woodworks, grinding and buffing, punch presses, nickel and chrome plating, machine shop and maintenance, paint spray and metal cleaning. The FIPs also identified railway spurs and exterior tanks (Royalene, light oil, and bunker oil). No information was provided regarding the specific chemical or waste storage practices employed by Canadian General Electric Co. Ltd.

The Former Canadian General Electric Co. assembly plant operation is included in O. Reg. 153/04 as a PCA (#19 - Electronic and Computer Equipment Manufacturing). Based on the easterly groundwater flow direction in the area of the Site, proximity, and the nature of operations performed in the former assembly plant, this off-Site PCA was identified as having the potential to contribute to an area of potential environmental concern (**APEC #6**) along the western portion of the Site boundary.

APEC #7 - Potential Impacts from Historical Storage Tanks (off-Site, west, southwest and south of Property)

The 1946 and 1971 FIPs identified a gasoline service station with several USTs located at 82 Bradford Street (a portion of the Former Canadian General Electric Co. assembly plant) located adjacent to the west (hydraulically upgradient) of the Site, beyond Bradford Street. The 1946 FIP also identified fuel storage tanks associated with auto repair garages to the south and southwestern adjacent properties (hydraulically crossgradient) immediately beyond Bunker's Creek. No reports or data pertaining to the UST removal at these facilities was available for GHD's review.

The historical operation of fuel storage tanks on the western, southwestern and southern adjacent properties is included in O. Reg. 153/04 as a PCA (#28 - Gasoline and Associated Products Storage in Fixed Tanks). Based on the easterly groundwater flow direction in the area of the Site and the proximity of these historical storage tanks to the Site, these off-Site PCAs were identified as having the potential to contribute to an area of potential environmental concern (**APEC #7**) on the southwestern portion of the Site.

APEC #8 - Potential Impacts from Historical Dry Cleaner (off-Site, north of Property)

Based on a review of the 1971 historical FIP, a dry cleaning operation was identified approximately 30 metres to the north, on the northern (hydraulically crossgradient) adjacent property addressed as 14 High Street (currently addressed as 4 Checkley Street). No information was available to determine if the dry cleaner conducted dry cleaning on-Site or if it operated as a "Drop off Depot" facility which typically would not store or utilize dry cleaning solvent. The operation of a historical dry cleaner on the northern adjacent property is included in O. Reg. 153/04 as a PCA (#37 - Operation

of Dry Cleaning Equipment where chemicals are used). Based on the easterly groundwater flow direction in the area of the Site, and the proximity of the historical dry cleaner to the Site, this off-Site PCA was identified as having the potential to contribute to an area of potential environmental concern (**APEC #8**) on the northern portion of the Site.

APEC #9 – Potential Impacts from Historic Ironworks and Fabrication Facilities (off-Site, north of Property)

The FIPs identified the Barrie Ironworks facility and a metal fabrication facility on the northern (hydraulically crossgradient) adjacent property. The typical processes would have involved shearing, punching, hot or cold forming, heat treating, metal surface preparation, deburring and assembly of iron and steel products. The historical operation of an ironworks and metal fabrication facilities is included in O. Reg. 153/04 as a PCA (#34 - Metal Fabrication). Based on the easterly groundwater flow direction in the area of the Site and the proximity of these off-Site facilities to the Site, these off-Site PCAs were identified as having the potential to contribute to an area of potential environmental concern (**APEC #9**) on the northern portion of the Site.

APEC #10 – Potential Impacts from Historic Storage Tanks (off-Site, north of Property)

Based on a review of the 1971 FIP, acid and gasoline USTs were present in the northern (hydraulically crossgradient) adjacent property to support the tannery operation. No reports or data pertaining to the UST removal was available for GHD's review. The historical fuel storage tanks are included in O. Reg. 153/04 as a PCA (#28 - Gasoline and Associated Products Storage in Fixed Tanks, and identified as having the potential to contribute to an area of potential environmental concern (**APEC #10**) in the northern portion of the Site.

APEC #11 - Historical Bunker's Creek Landfills (off-Site, west and southwest of Property)

Based on a review of historical records, Bunker's Creek Landfills were located approximately 125 metres hydraulically upgradient to the west of the Site. Bunker's Creek meanders through these Landfills before it enters onto the Site. Based on a review of Golder Associates 2017 and 2018 Annual Monitoring Program Reports prepared for the Bunker's Creek Landfills, municipal waste was buried between 1956 and 1964 which extended underneath the City of Barrie owned and privately-owned industrial/commercial properties located to the west of the Site as identified on Figure 5. Metals (copper, iron, lead, and vanadium) and PAHs impacts were identified in the surface water samples collected from Bunker's Creek at concentrations above the applicable PWQO. Based on a review of historical Phase Two ESA data for samples collected within 30 metres of the Bunker's Creek, metals (copper, lead and vanadium) and PAHs were also identified in soils, sediment, and groundwater samples. It is possible some impacts may have migrated onto the Site from the historical landfilling operations hydraulically upgradient of the Site.

The historical Bunker's Creek landfilling operations are included in O. Reg. 153/04 as a PCA (#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners). Based on the proximity to the Site, and the known surface water impacts, these landfills were identified as having the potential to contribute to an area of potential environmental concern (**APEC #11**) on the southwestern portion of the Site along Bunker's Creek.

7.1 Requirement for Phase Two ESA before RSC can be Submitted

Based on the information obtained in completing the Phase One ESA, review of available reports, additional delineation and a Phase Two ESA report will be required before a RSC can be filed under O. Reg. 153/04. It is GHD's understanding that the Phase One ESA was completed to document environmental conditions at the Site in preparation for future redevelopment of the Site, and that a RSC will filed to support the potential development.

All of Which is Respectfully Submitted,

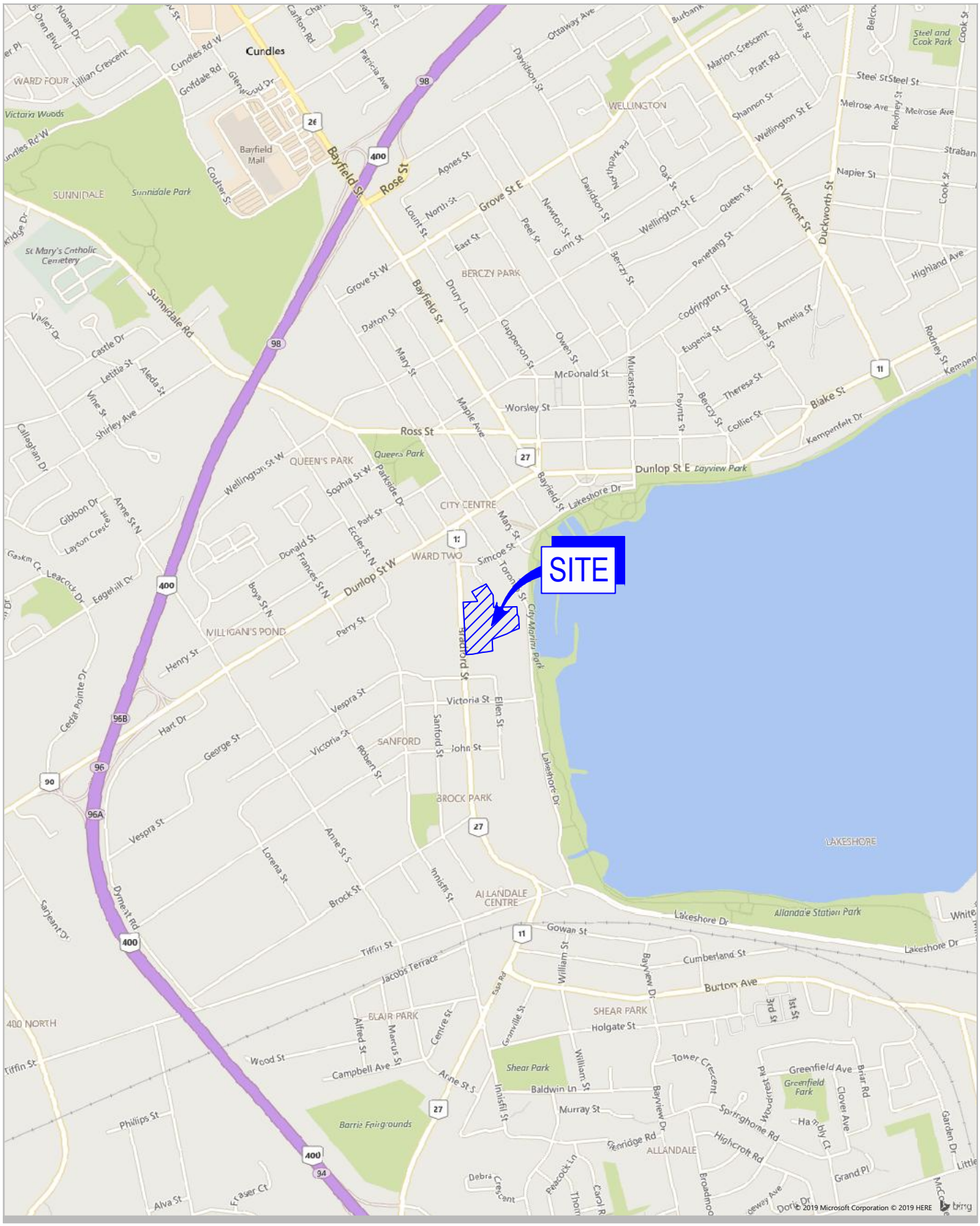
GHD

Aditya Khandekar

Warren Croft, P. Eng.

Gregory Brooks, P. Eng.

Figures



0 200 400 600m

Coordinate System:
UTM ZONE 17 NAD83
METRES

N

GHD

51, 55 AND 75 BRADFORD STREET
BARRIE, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

Project No. **11201680**
Date **December 2019**

SITE LOCATION MAP

FIGURE 1

Filename: N:\CA\Waterloo\Projects\662\11201680\Digital_Design\ACAD 2018\Figures\11201680(RPT-PHASE 1 ESA)\11201680(RPT-PHASE 1 ESA)GN-WA001.dwg
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RESIDENTIAL
RESIDENTIAL
COMMERCIAL
COMMERCIAL
VACANT LAND (FORMER BARRIE CENTRAL COLLEGIATE)
SIMCOE ST
TORONTO ST
COMMERCIAL
COMMERCIAL
PARKING
LAW OFFICES
RESIDENTIAL
U-HAUL STORAGE
CONDOMINIUM
FORMER PUBLIC SCHOOL
LAKE SIMCOE
PIN: 58795-0030 LT
BRADFORD ST
PIN: 58795-0555 LT
LAKESHORE DR
FORMER CANADIAN GENERAL ELECTRIC PLANT (CURRENT MULTI-TENANT COMMERCIAL)
PIN: 58795-0031 LT
TIM HORTON'S
POND
PIN: 58795-0597 LT
PIN: 58795-0598 LT
APPROXIMATE LOCATION OF FORMER GASOLINE SERVICE STATION
BUNKER'S CREEK
AUTO SALES (FORMER AUTO GARAGE WITH UST's)
VACANT LAND (FORMER AUTO GARAGE)
COMMERCIAL
VESPRA ST
CONDOMINIUM
COMMERCIAL
COMMERCIAL
RESIDENTIAL
RESIDENTIAL
AUTO REPAIR
AUTO SALES
MULTI-TENANT COMMERCIAL

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LEGEND

PROPERTY BOUNDARY

PHASE ONE STUDY AREA (250m RADIUS)

0 40 80 120m

Coordinate System:
UTM ZONE 17 NAD83
METRES

N

GHD

51, 55 AND 75 BRADFORD STREET
BARRIE, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

SITE AND SURROUNDING PROPERTIES AERIAL MAP

Project No. **11201680**
Date **December 2019**

FIGURE 2

Filename: N:\CA\Waterloo\Projects\662\11201680\Digital_Design\ACAD 2018\Figures\11201680(RPT-PHASE 1 ESA)\11201680(RPT-PHASE 1 ESA)GN-WA002.dwg
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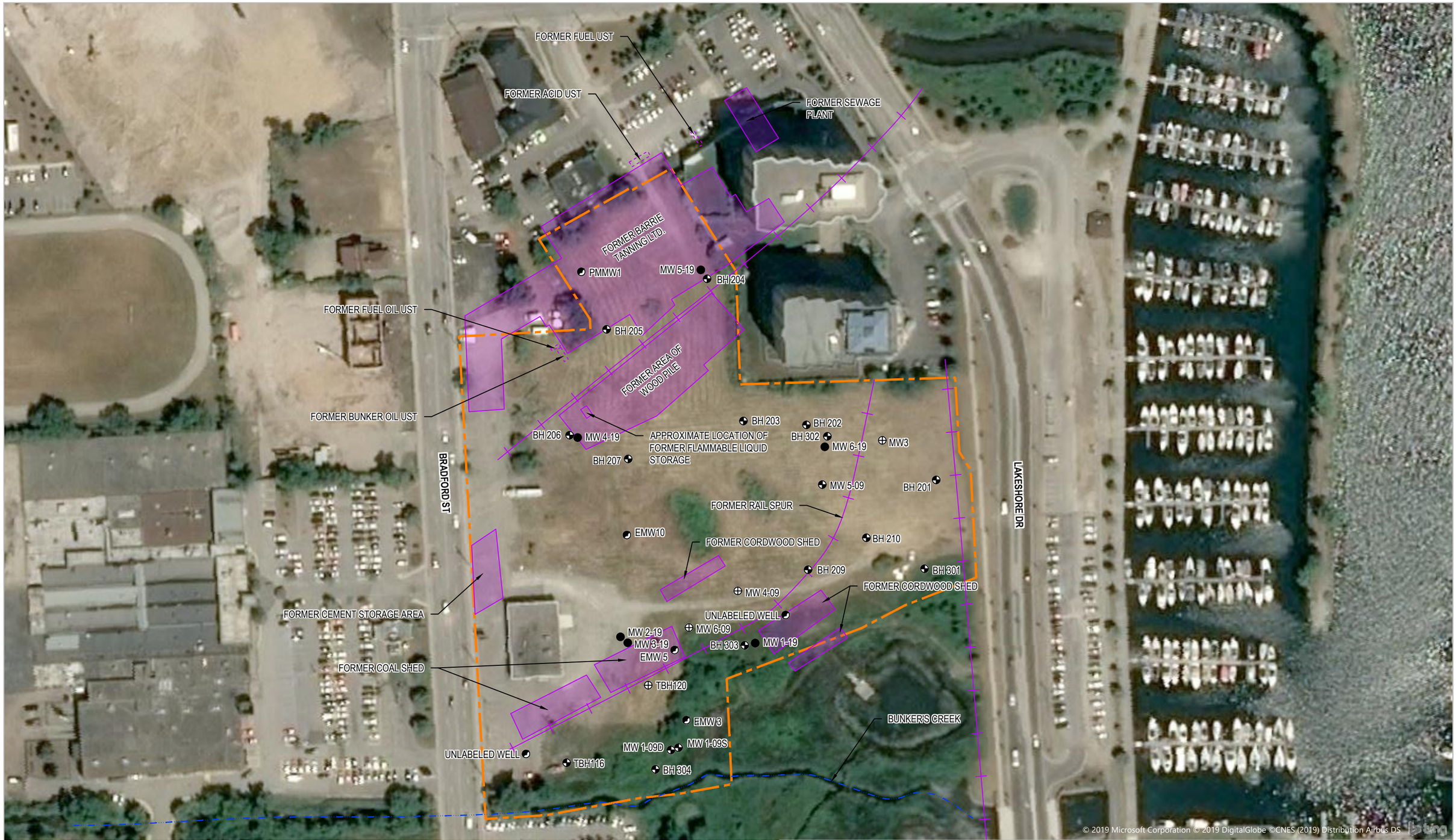

LEGEND

- PROPERTY BOUNDARY
- MW 5-19 — MONITORING WELL (GHD)
- BH 204 — BOREHOLE/MONITORING WELL (TERRAPROBE)
- EMW 5 — MONITORING WELL (OTHER)
- TBH 120 — BOREHOLE/MONITORING WELL (PETO MACCALLUM)
- HISTORICAL FEATURE
- FORMER UNDERGROUND STORAGE TANK (UST)
- FORMER RAIL SPUR

NOTE: APPROXIMATE LOCATION OF HISTORICAL FEATURES ARE MAPPED BASED ON INFORMATION PRESENTED IN THE FIRE INSURANCE PLANS.

0 15 30 45m

Coordinate System: UTM ZONE 17 NAD83 METRES

N

GHD

51, 55 AND 75 BRADFORD STREET
BARRIE, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

SITE DETAILS MAP AND EXISTING MONITORING WELLS

Project No. **11201680**
Date **December 2019**

FIGURE 3

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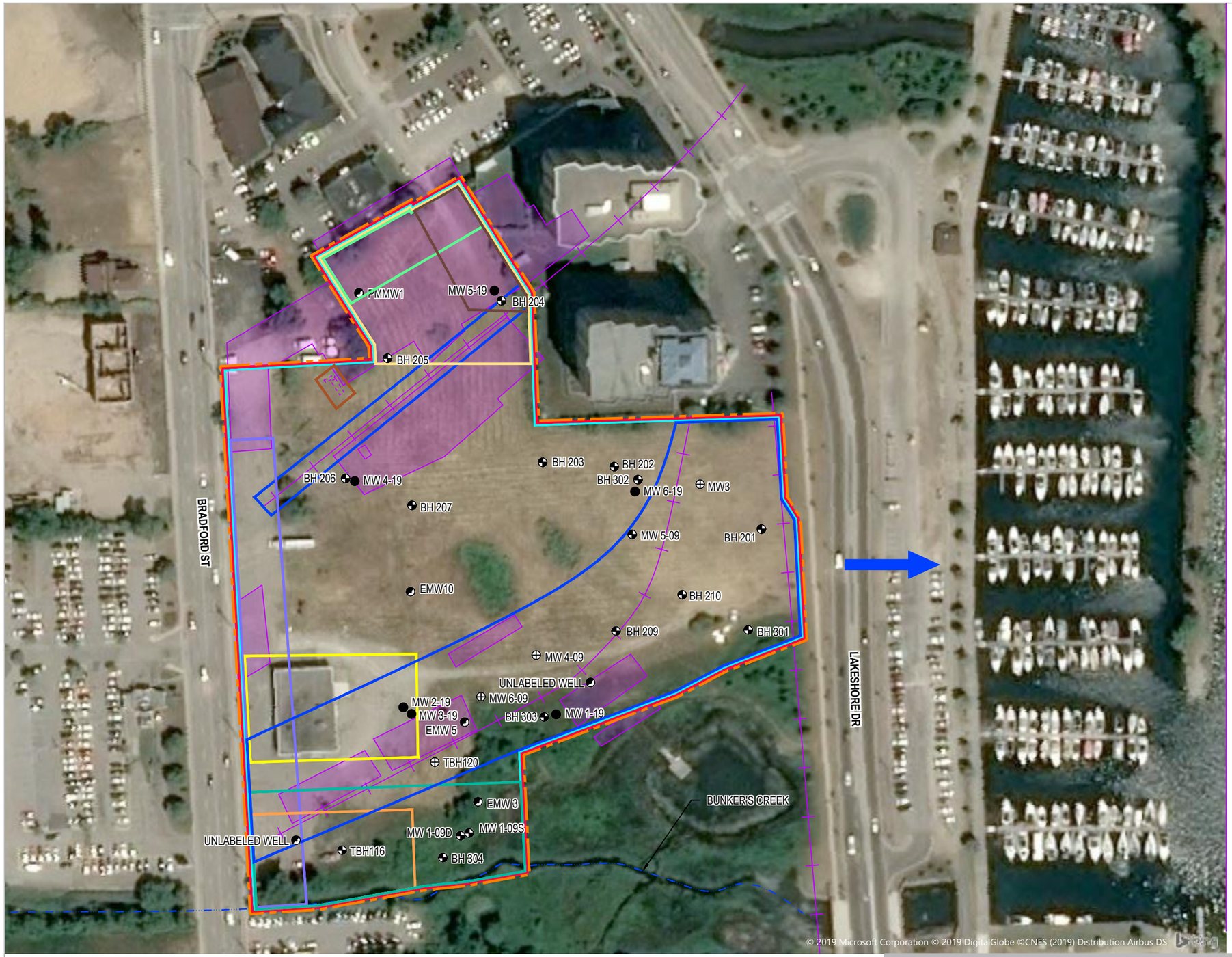

APEC #1
HISTORICAL TANNERY OPERATION
(PCA #53)

APEC #2
FILL QUALITY
(PCA #30)

APEC #3
HISTORICAL RAILWAY SPURS
(PCA #46)

APEC #4
HISTORICAL VEHICLE MAINTENANCE AND SERVICING OPERATIONS
(PCA #52)

APEC #5
HISTORICAL HEATING OIL STORAGE AREA
(PCA #28)

APEC #6
POTENTIAL IMPACTS FROM FORMER CANADIAN GENERAL ELECTRIC ASSEMBLY PLANT
(OFF-SITE; PCA #19)

APEC #7
POTENTIAL IMPACTS FROM HISTORICAL STORAGE TANKS
(OFF-SITE; PCA #28)

APEC #8
POTENTIAL IMPACTS FROM HISTORICAL DRY CLEANER
(OFF-SITE; PCA #37)

APEC #9
POTENTIAL IMPACTS FROM HISTORICAL IRON WORKS AND FABRICATION FACILITIES
(OFF-SITE; PCA #34)

APEC #10
POTENTIAL IMPACTS FROM HISTORICAL STORAGE TANKS
(OFF-SITE; PCA #28)

APEC #11
HISTORICAL BUNKER'S CREEK LANDFILLS
(OFF-SITE; PCA #58)

PCAs POTENTIALLY CONTRIBUTING TO APECs ON THE SITE

PCA #19 - ELECTRONIC AND COMPUTER EQUIPMENT MANUFACTURING.
PCA #28 - GASOLINE AND ASSOCIATED PRODUCTS IN FIXED TANKS.
PCA #30 - IMPORTATION OF FILL MATERIALS OF UNKNOWN QUALITY.
PCA #34 - METAL FABRICATION.
PCA #37 - OPERATION OF DRY CLEANING EQUIPMENT (WHERE CHEMICALS ARE USED)
PCA #46 - RAIL YARDS, TRACKS AND SPURS.
PCA #52 - STORAGE, MAINTENANCE, FUELLING AND REPAIR OF EQUIPMENT, VEHICLES, AND MATERIALS USED TO MAINTAIN TRANSPORTATION SYSTEMS.
PCA #53 - TANNERY.
PCA #58 - WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS.

NOTE: REFER TO FIGURE 5 FOR OFF-SITE PCAs POTENTIALLY CONTRIBUTING TO APECs ON THE SITE

LEGEND

- PROPERTY BOUNDARY
- MW 5-19 ● MONITORING WELL (GHD)
- BH 204 ⊕ BOREHOLE/MONITORING WELL (TERRAPROBE)
- EMW 5 ◐ MONITORING WELL (OTHER)
- TBH 120 ⊕ BOREHOLE/MONITORING WELL (PETO MACCALLUM)
- HISTORICAL FEATURE
- FORMER UNDERGROUND STORAGE TANK (UST)
- FORMER RAIL SPUR
- INFERRED DIRECTION OF GROUNDWATER FLOW

NOTE: APPROXIMATE LOCATION OF HISTORICAL FEATURES ARE MAPPED BASED ON INFORMATION PRESENTED IN THE FIRE INSURANCE PLANS.

0 15 30 45m

Coordinate System: UTM ZONE 17 NAD83 METRES

N

GHD

51, 55 AND 75 BRADFORD STREET
BARRIE, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

PHASE ONE CONCEPTUAL SITE MODEL

Project No. **11201680**
Date **December 2019**

FIGURE 4

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FORMER CANADIAN GENERAL ELECTRIC ASSEMBLY PLANT (PCA #19)

HISTORICAL STORAGE TANKS (PCA #28)

HISTORICAL DRY CLEANER (PCA #37)

HISTORICAL IRONWORKS AND FABRICATION FACILITIES (PCA #34)

HISTORICAL BUNKER'S CREEK LANDFILLS (PCA #58)

PCAs POTENTIALLY CONTRIBUTING TO APECs ON THE SITE

PCA #19 - ELECTRONIC AND COMPUTER EQUIPMENT MANUFACTURING.
PCA #28 - GASOLINE AND ASSOCIATED PRODUCTS IN FIXED TANKS.
PCA #34 - METAL FABRICATION.
PCA #37 - OPERATION OF DRY CLEANING EQUIPMENT (WHERE CHEMICALS ARE USED)
PCA #58 - WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS.

LEGEND

PROPERTY BOUNDARY

0 40 80 120m

Coordinate System:
UTM ZONE 17 NAD83
METRES

N

GHD

51, 55 AND 75 BRADFORD STREET
BARRIE, ONTARIO
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

PHASE ONE CONCEPTUAL SITE MODEL - STUDY AREA - OFF-SITE PCAs

Project No. **11201680**
Date **December 2019**

FIGURE 5

Filename: N:\CA\Waterloo\Projects\662\11201680\Digital_Design\ACAD 2018\Figures\11201680(RPT-PHASE 1 ESA)\11201680(RPT-PHASE 1 ESA)GN-WA005.dwg
Plot Date: 12 December 2019 2:27 PM

Appendices

Appendix A
Project Personnel Curricula Vitae

Aditya Khandekar, PE
Engineer

Qualified: Master of Engineering, Civil Engineering, 2009; Bachelor of Engineering, Civil Engineering, 2007
Connected: Professional Engineer (PE), Texas Board of Professional Engineers (TBPE) #120013
Engineer in Training (EIT), Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS) # 47119
Professional Summary: Over 8 years of technical experience relating to due diligence assessments, geologic and hydrogeologic investigations, proposal and work plan development, project management, field execution, data analysis and reporting.

Environmental Site Investigation and Remediation

Field Engineer | Electrical Resistive Heating (ERH) | NY

- Supervised ERH installation via rotosonic drilling method and conducted system monitoring over a period of 2+ years to remediate a chlorinated solvent plume underneath a former manufacturing facility in upstate New York.
- ERH performance monitoring included 24/7 community air monitoring program, collection of soil, vapor and groundwater samples to evaluate achievement of remedial action objectives established in the work plan.
- Prepared work plans, weekly progress reports, comprehensive final report, contract documents and performed data management, data analysis and interpretation.
- ERH successfully demonstrated remedial action objectives with soil concentrations below the New York Unrestricted Use soil cleanup standards and recovered approx. 7,000 pounds of volatile organic compounds (VOCs) from four treatment areas within a duration of eight months with 99% reduction in VOC concentrations from the baseline assessment.

Field Engineer | Vapor Intrusion Investigation | NY

- Performed vapor intrusion investigation of a chlorinated solvent plume underneath basement of multiple buildings in an active manufacturing/ industrial facility in upstate New York using a portable HAPSITE® gas chromatograph monitor.
- Performed pilot scale soil vapor extraction (SVE) study to collect data for designing a full-scale SVE system.

Field Engineer | Multiple Projects | NH, NY, MA and TX

- Managed, coordinated and supervised subcontractors for soil and groundwater assessments.
- Used direct-push and rotary drilling methods for collecting soil samples and installation of groundwater monitoring wells. Logged soil and bedrock samples using the Modified Burmister and USCS soil classification systems.

Risk Assessment

Multiple Projects | TX

- Prepared Affected Property Assessment Reports (APARs) using the Texas Commission on Environmental Quality's (TCEQ) Tiered Risk Based Closure Criteria, evaluating site specific data and calculating the Human Health Protective Concentration Levels.

Retail Fueling Facilities

Multiple Projects | TX and NE

- Managed a major gas station/convenience store retail client with a chain of over 150+ stores in Texas and Nebraska with projects related to due diligence assessments, Petroleum Storage Tank (PST) system removal, regulatory compliance inspections, construction and waste handling support. Additionally, managed several emergency response projects related to releases from overfills, piping leaks, dispenser releases at these facilities.

Phase I Environmental Site Assessment

Phase I Assessor | Multiple Projects | TX

- Performed and managed due diligence assessments and prepared ASTM 1527-13 compliant reports for several facilities across Texas. Facilities primarily included nursing homes, medical centers, warehouse and distribution centers, automotive service centers, retail fueling stations and small-scale manufacturing. Assisted clients understand potential environmental issues and risks involved in the purchase and sale agreements of properties.

Other related areas of interest

Recognized (Certifications/Trainings)

- OSHA 40-Hour HAZWOPER, with annual 8-Hour refresher
- OSHA 10-Hour Construction Safety
- OSHA Lockout/Tagout
- SafeLandUSA
- DOT/RCRA Hazardous Material

Work history

2018 - Present	GHD Limited, Toronto, Canada
2014 - 2018	GHD Services Inc., Dallas, TX, USA
2011 - 2014	Sanborn Head, Concord, NH, USA

Warren Croft, P.Eng.
Principal

Qualified: B.Sc. in Engineering, University of Guelph, 2001

Connected: Registered Professional Engineer in the Province of Ontario, Qualified Person for Environmental Site Assessments (QP_{ESA}), Under Ontario Regulation 153/04

Professional Summary: Warren is a Principal with over 17 years of experience in the management of environmental and remediation projects, including over 200 projects in Ontario relating to brownfield redevelopment, risk assessment, Record of Site Condition, Phase I and II Environmental Site Assessments (ESAs), environmental remediation, Designated Substances Surveys, asbestos abatement, and environmental compliance/permitting. Warren guides his clients in the management of environmental liabilities to support their long-term business needs, including the development and implementation of Risk Management Plans. He specializes in ESAs in Ontario, following the requirements of Ontario Regulation 153/04, as amended. Additionally, Warren is a Qualified Person for the filing of Records of Site Condition and the submission of Phase Two ESA Conceptual Site Models to support Risk Assessments. In addition to acting as a technical resource on ESAs in Ontario, Warren also manages GHD's downtown Toronto office and is responsible for supporting GHD's growth in the Greater Toronto Area (GTA) environmental market.

Relevant Experience

Environmental Lead
Burnhamthorpe Road Watermain Twinning | Regional Municipality of Peel | Mississauga, ON | Ongoing since 2014

Warren acts as environmental lead and completed a Contaminant Inventory and a Phase One ESA to support the Region's project planning. Warren provided guidance regarding identifying higher risk properties and potential contaminant sources within proposed construction areas, and provided recommendations regarding environmental risk at the higher risk properties.

Project Manager
Thistletown Regional Campus | Infrastructure Ontario | Toronto, ON | Ongoing since 2013

Project manager for the completion of Phase I and II ESAs, completion of designated substances surveys, design and oversight of remedial program, and completion of a due diligence risk assessment at the Thistletown Regional Campus in Toronto, Ontario. Coordinated access with facility personnel, and developed specific health and safety protocols to ensure that investigative activities did not pose a risk to property residents.

Project Manager
Risk Assessment | Confidential Client | Toronto, ON | Ongoing since 2013

Project Manager and QP $_{(ESA)}$ for the completion of a Phase One and Two ESA, and Risk Assessment at an active industrial property in Toronto, Ontario, completed to support the sale of the property, and to document liabilities at the time of the sale.

Project Manager
Ontario Place Redevelopment | Infrastructure Ontario | Toronto, ON | Ongoing since 2012

Warren acts as Project Manager for due diligence activities at Ontario Place, which have included Designated Substances Survey, Building Condition Surveys, Phase One and Two ESAs, and Geotechnical Investigations. Warren is currently managing the completion of a Phase One and Two ESA, Risk Assessment, and Record of Site Condition for a portion of the east island, to support the Urban Park and Waterfront Trail project. Warren also provides guidance to Infrastructure Ontario and their park design team regarding the design and construction of Risk Management Measures and imported soil quality requirements, to ensure that ongoing construction is consistent with the Risk Assessment and that the soil brought to the proposed park is suitable for use at Ontario Place.

Project Coordinator
Risk Assessment | Confidential Client | Mississauga, Ontario | Ongoing since 2012

Project Coordinator and QP_{ESA} for a Phase One ESA, Phase Two ESA, and Risk Assessment of an industrial brownfield site. The project included development of risk based remedial targets for soil remediation, followed by the completion of a Risk Assessment to manage remaining soil and groundwater impacts.

Environmental Lead
Soil Characterization Program | Waterfront Toronto | Toronto, ON | 2016

Technical advisor during the environmental investigation of a portion of Toronto's Port Lands area, in support of the re-routing of the mouth of the Don River. Supported GHD's project management team and field team in the interpretation of historical records, and completion of soil and groundwater sampling at the site.

Environmental Lead
West Park Healthcare Centre Redevelopment | West Park | Toronto, ON | 2016

Environmental lead for the completion of Phase One and Two Environmental Site Assessments in support of the proposed expansion of the facility. Supported client decision making regarding environmental risk, potential sources of environmental impact, and soil/groundwater management during future construction.

Project Manager
Environmental Due Diligence | Confidential Client | Toronto, ON | 2016

Warren acts as the project manager for the completion of Phase I ESAs, Phase II ESAs, property condition assessments, remedial cost estimates, and risk evaluations for three industrial properties. GHD's client was considering the acquisition of the three properties, and required technical guidance regarding environmental liabilities, and options to mitigate environmental risks for the long term use of the Site.

Project Manager
OPG Lakeview | Mississauga, ON | 2015 – 2016

Warren acts as the project manager for ongoing environmental activities at the former OPG Lakeview powerplant. GHD has completed extensive environmental investigations, focused environmental remediation, and Risk Assessment activities in support of OPG's land use and disposition planning. Currently supporting OPG's goals of facilitating the redevelopment of the Site in accordance with the Inspiration Lakeview vision.

Environmental Site Assessment Lead
Upper York Sanitary Sewer | Regional Municipality of York | York Region, ON | 2014 - 2016

Warren acts as the Environmental Site Assessment Lead for the completion of Phase One and Two ESAs to support property acquisition and project planning for the Upper York Sanitary Sewer project. He works with the other discipline leads to ensure that project milestones are met and the client's environmental liability is minimized during property acquisition and construction.

Environmental Lead and QP$_{ESA}$
Assembly Plant Demolition | Ford | St. Thomas, ON | 2014 - 2016

Warren acted as the lead environmental site assessor and QPESA for the completion of Phase One and Two ESAs at the Ford St. Thomas facility. Obtained Record of Site Condition (RSC) for one portion of the Site, and supported GHD's Risk Assessment and Remediation teams in the assessment and remediation of the other portions of the Site.

Technical Lead
Vendor of Record, Central and Southwestern Regions | Infrastructure Ontario | Ontario | 2012 – 2016

Warren acts as a technical lead and primary contact for GHD's Vendor of Record contract with Infrastructure Ontario, which has included Phase One and Two ESAs, designated substances surveys, remediation oversight, Risk Assessment, and Records of Site Condition. Warren attends monthly vendor calls, tracks performance of GHD's projects, acts as a key technical contact regarding environmental site assessments, and also manages a variety of Infrastructure Ontario projects.

Environmental Lead
480 Lakeshore Blvd. East | Waterfront Toronto | Toronto, ON | 2011 - 2016

Warren acted as the technical lead and primary Site Assessor for the completion of a Phase I ESA of a former bulk fuel storage facility. Warren provided guidance to the project team regarding the findings of the Phase I ESA and the requirements for soil and groundwater sampling at the Site. Warren subsequently supported the construction of specific Risk Management Measures to comply with City of Toronto requirements.

Team Member
Review of Excess Soil Management in Ontario | GHD | Ontario | 2015

Warren was a member of GHD's project team to complete a review of excess soil management in Ontario. Warren's role focused on identifying common practices, and best practices among contractors, municipalities, and government related agencies, to support the development of an improved process to manage excess soil in Ontario.

QP$_{ESA}$
Proposed ErinOak Kids Brampton | Infrastructure Ontario | 2014 – 2015

QP$_{ESA}$ for the filing of Records of Site Condition for two parcels of land associated with the proposed ErinOak Kids Brampton facility. Coordinated the completion of Phase One and Two ESAs, provided guidance to the current property owner (City of Brampton) regarding the RSC process and the documents that must be prepared and signed by the owner to support the RSC filing, and coordinated with MOECC Brownfields group staff regarding the RSC filing. Filed two RSCs on the Ontario Environmental Site Registry, which were acknowledged by MOECC.

Project Manager
Seneca College King Campus Expansion | Seneca College | King City, ON | 2014 – 2015

Warren acted as Project Manager for the completion of environmental and geotechnical investigations at King City campus of Seneca College in support of a proposed building expansion following Infrastructure Ontario's AFP model. Based on the results of preliminary environmental investigations, a Due Diligence Risk Assessment was

completed to document potential environmental risks associated with road salt impacts to the Site. GHD's team worked with Seneca College staff to complete the work at an active educational facility, while minimizing impacts to staff and students. He coordinated site access, including work around entrance roads, along Dufferin Street, and within active agricultural fields and acted as technical lead for environmental components of the project.

Project Manager
Etobicoke General Hospital | William Osler Health System | Etobicoke, ON | 2014 – 2015

Warren acted as Project Manager for the completion of environmental and geotechnical investigations at Etobicoke General Hospital in support of proposed redevelopment. Coordinated site access, including work around emergency room entrance, main entrance, and visitor parking areas. Acted as technical lead for environmental components of the project.

Project Manager
Proposed Mackenzie Vaughan Hospital | Infrastructure Ontario | Vaughan, ON | 2013 - 2015

Warren acted as Project Manager for the completion of environmental, geotechnical, and hydrogeological investigations at the proposed Mackenzie Vaughan Hospital. The project was completed following Infrastructure Ontario's Alternative Financing and Procurement (AFP) Guidance Document for Environmental and Geotechnical Investigations. GHD also worked with staff and consultants from the City of Vaughan to support the remediation of localized soil impacts and the filing of a Record of Site Condition. He coordinated site access and acted as technical lead for environmental components of the project.

Project Manager
Due Diligence | Infrastructure Ontario | Ontario | 2013 – 2015

Project Manager for the completion of a Designated Substances Survey and Phase One ESA at a potential redevelopment property in Toronto. Subsequently provided technical guidance to Infrastructure Ontario regarding the disentanglement of the building heating system from adjacent structures, including the removal of asbestos on piping. Provided recommendations regarding building ventilation requirements to prevent mold growth. Currently working with Infrastructure Ontario to develop abatement specifications for the Designated Substances in the building.

Environmental Lead
Milton District Hospital | Shared Services West | Milton, ON | 2013 – 2014

Warren acted as the Environmental Lead for environmental investigations at Milton Hospital, including the completion of Phase One and Two ESAs and coordination of asbestos sampling activities. Worked with the geotechnical lead to ensure that appropriate environmental samples were collected, while minimizing the number of boreholes/monitoring wells at the site. Assisted Milton Hospital and Shared Services West staff in negotiating environmental management requirements with the municipality and Infrastructure Ontario

Project Coordinator
Risk Evaluation | Confidential Client | Toronto, ON | 2013 – 2014

Warren acted as project coordinator during a risk evaluation project, to support a potential property sale. His scope included coordinating access to an active facility, discussing the scope of work with potentially affected tenants, coordinating soil, groundwater, and indoor air monitoring activities, and reporting. The project team subsequently completed a risk evaluation, supported with Risk Management Measures developed by Warren and his team. The client was able to complete the transaction of the property, despite documented environmental liability concerns.

Project Manager
Former St. Thomas Psychiatric Facility | Infrastructure Ontario | St. Thomas, Ontario | 2012 – 2013

Project manager for the completion of a Phase One ESA and Soil/Groundwater quality investigation at the St. Joseph's Regional Mental Health facility in St. Thomas, Ontario. Completed interviews with facility personnel, inspected client and resident spaces, and coordinated health and safety requirements for the completion of the soil and groundwater sampling activities.

Environmental Specialist (Secondment)
Infrastructure Ontario | Toronto, ON | 2010 - 2012

Warren assisted Infrastructure Ontario in the management of environmental consultants and contractors at the West Don Lands in Toronto, Ontario in support of the redevelopment of a large brownfield property into the 2015 Pan Am Games Athletes' Village. Tasks included coordination of consultants and contractors, providing guidance to ORC staff on the environmental approvals process, and review of Phase I/II ESAs, Risk Assessments, Certificates of Property Use, and Records of Site Condition completed in accordance with the recently revised Regulation 153/04. Attended meetings with stakeholders including Ministry of Environment, City of Toronto, Waterfront Toronto, Infrastructure Ontario, and prospective developers to support Infrastructure Ontario staff in their role.

Project Manager
Risk Management Measure Implementation | Confidential Client | Toronto, ON | 2010 – 2013

Project Manager for the oversight of Risk Management Measure (RMM) implementation, to comply with the requirements of a Certificate of Property Use. Activities completed by GHD included preparation of soil and

groundwater management plan, preparation of Health and Safety Plan, dust monitoring, soil tracking, barrier construction inspection, and reporting. Warren acted as Project Manager and primary liaison for the client and their contractor, to ensure that the Certificate of Property Use requirements were understood and implemented.

Work history

2001 – present	Principal, GHD (formerly Conestoga-Rovers & Associates), Toronto, ON
	Named Associate, 2010
	Named Principal, 2017

Gregory R. Brooks

Qualified: Civil Engineering, University of Waterloo, 1987; Licensed Professional Engineer in Alberta, Ontario, Manitoba, and Saskatchewan

Connected: Former Ontario Chapter Executive, National Brownfield Association

Professional Summary: Mr. Brooks is a professional engineer and a Principal in GHD. Mr. Brooks leads GHD's Canadian Environmental Due Diligence practice and has been extensively involved in Site Investigations, Phase I and II ESAs, Site Remediation, Risk Assessment, and Brownfield Redevelopment in Canada and the United States. Past experience also includes the planning and implementation of Environmental Compliance Assessments in Canada and the United States. Mr. Brooks also oversaw the development and implementation of GHD North America's ISO 9001 Quality System.

Remedial Design/Construction

- Construction supervision of leachate collection system and treatment facility for groundwater contaminated with coal tar. Treatment facility consisted of physical tar/water separation followed by chemical adsorption using granular activated carbon for the Regional Municipality of Ottawa-Carleton - Lees Avenue Transitway Station, Ottawa, Ontario.
- Design of leachate recirculation system to enhance rapid landfill stabilization for Metropolitan Toronto - Keele Valley Landfill Site, Maple, Ontario.
- Design and construction of landfill gas recovery and utilization for the Regional Municipality of Waterloo - Kitchener, Ontario.
- Design of groundwater extraction system for contaminated groundwater at existing cement plant for Canada Cement Lafarge, Woodstock, Ontario.
- Supervision of excavation and securement of soils contaminated with coal tar for the Regional Municipality of Ottawa-Carleton - Lees Avenue Transitway Station, Ottawa, Ontario.
- Development of remediation plan for the former coal gasification plant in Woodstock, Ontario. Study included complete field investigation and evaluation of remedial alternatives for the City of Woodstock, Woodstock, Ontario.
- Executed a hydrogeologic investigation of coal tar contaminated site including the design of remedial alternatives for the Algoma Steel Corporation, Sault Ste. Marie, Ontario.
- Site Engineer during bioremediation project for soils contaminated with oil tar. Project also included sampling of soils and analysis of analytical data for Ultramar Canada, Port Stanley, Ontario.
- Remedial action plan design for a former lead Smelting and Refinery Plant for Toronto Refiners and Smelters Ltd., Toronto, Ontario.
- Design Operations and Stormwater Management Plans for a proposed clay borrow operation. The project involved all required engineering support for a Joint Board Hearing under the Consolidated Hearing Act for the Municipality of Metropolitan Toronto, Toronto, Ontario.
- Design of a Coal Tar Collection System which included; shallow perforated pipe collector, deep coal tar collection well, creek rerouting and infilling, and overflow weir tar collector for the Algoma Steel Corporation, Sault Ste. Marie, Ontario.
- Site Engineer during remediation of a diesel fuel spill. Project included site remediation with contaminated soil removal and redesign of existing fuel facilities. Construction of a temporary fuel facility was required during construction for the Britannia Water Filtration Plant, Regional Municipality of Ottawa-Carleton, Ottawa, Ontario.
- Site supervisor during the excavation of coal tar contaminated materials, Lancaster Street reconstruction for the City of Kitchener, Kitchener, Ontario.
- Project Manager for the decommissioning of a rental car service facility at the Lester B. Pearson International Airport. Remedial activities included UST closure, mitigation of soil impacts attributable to past spills and site restoration for Avis Rent-A-Car System.
- Project Manager for Remedial Design, including the change of USEPA Record of Decision at a former Tannery Site in Sault Ste. Marie Michigan.
- Site investigation and design of groundwater pump and treatment system for a retail service station in Kitchener - Witter's Fuels.
- Preliminary Assessment, Site Investigation and Remedial Investigation for ISRA closure of a manufacturing facility in Perth Amboy, New Jersey.

- Design and construction oversight for an air sparging and soil vapour extraction system to remove chlorinated solvents from groundwater at the downgradient perimeter of an industrial facility, Brantford, Ontario.
- Design of a groundwater extraction and treatment facility to remove trichloroethylene from groundwater, Guelph, Ontario.
- Design of a chemical oxidation remedial program to remedial shallow groundwater under a chemical storage shed, Waterloo, Ontario.
- Design and oversight of soil remediation of an active trucking facility, Mississauga, Ontario.

Facility Decommissioning/Brownfields

- Decommissioning of a 200,000-square-foot manufacturing facility to accommodate change in land use and sale of property - FMG Timberjack.
- Investigation and decommissioning of a 200,000-square-foot former smelting facility in Scarborough, Ontario to facilitate sale and redevelopment of the property - Eli Lilly Canada. Project included design of a vapour barrier to mitigation potential for migration of chlorinated solvents to indoor air.
- Site investigation and remedial design for decommissioning of a former pesticide formulation plant for Pfizer C&G Inc., Sarnia, Ontario.
- Assessment and cleanup of a former outboard marine motor manufacturing facility to accommodate change in land use and sale of property. Assessment included a Site Specific Risk Assessment completed in accordance with the MOE Contaminated Sites Guideline.
- Fuel facility decommissioning for trucking facility in Oshawa, Ontario - Yellow Freight System Inc.
- Consultant to the Town of Collingwood on the Brownfield redevelopment of the Canada Steamship Lines property.
- Consultant to the University of Waterloo on the development of the School of Pharmacy and Medical School campus in Kitchener, Ontario.
- Investigation and development of remedial cost estimates for a former footwear manufacturing facility that was impacted with chlorinated solvents in Kitchener, Ontario.
- Investigation and preparation of a Remedial Action Plan for a former automotive parts manufacturing facility that was impacted with chlorinated solvents in Waterloo, Ontario.
- Investigation of a former electronics manufacturing facility impacted with chlorinated solvents in Kitchener, Ontario.

Environmental Management Systems

- Development and implementation of an Environmental Management System for five manufacturing facilities located in Ontario - GSW Inc. One of these facilities implements an isocyanate control and monitoring program.
- Development and implementation of an Environmental Management System for 16 automotive parts manufacturing facilities in Ontario - Linamar Corporation.
- Development of an Environmental Management System for a large automotive frame manufacturing facility in Ontario - Budd Canada Inc.
- Completed ISO 14000 GAP analysis on largest quarry operation in Ontario.
- Review of aspects and impacts for large chemical manufacturing facility.
- Completed ISO 14000 GAP analysis of heat treating facility.
- Development and implementation of an ISO 14000 compliant EMS for electronics manufacturer (Christie Digital).
- Development of ISO 14000 EMS for two glass mat plants and a ceramic materials plant.

Risk Assessment Projects

- Risk Assessment for a former industrial manufacturing facility to facilitate redevelopment for Big Box commercial use.
- Risk Assessment for a former textile facility to facilitate redevelopment for institutional use (University of Waterloo).
- Risk Assessment of residential neighbourhood to evaluate potential exposure to trichloroethylene and degradation compounds from shallow groundwater (United Technologies Corporation).
- Risk Assessment of an industrial facility in Toronto to facilitate management of solvent impacts under the building floor.
- Risk Assessment of a former commercial property with past industrial uses to facilitate development of an institutional facility that includes residential land uses.
- Risk Assessment of a former lakefill and industrial property in downtown Toronto, for reuse as residential/commercial (Context Developments).
- Risk Assessment (ongoing) of a former distillery for development into a University campus (Balsillie School - Waterloo).
- Risk Assessment (ongoing) of a former trucking facility and service station in Kitchener, Ontario.

- Risk Assessment (ongoing) of a former automotive parts manufacturing facility in Waterloo, Ontario.
- Risk Assessment (ongoing) of a commercial shopping mall impacted with hydrocarbons in London, Ontario.
- Risk Assessment (ongoing) of a former paint manufacturing facility in Mississauga, Ontario.

Environmental Site Assessment and Compliance Assessment Experience

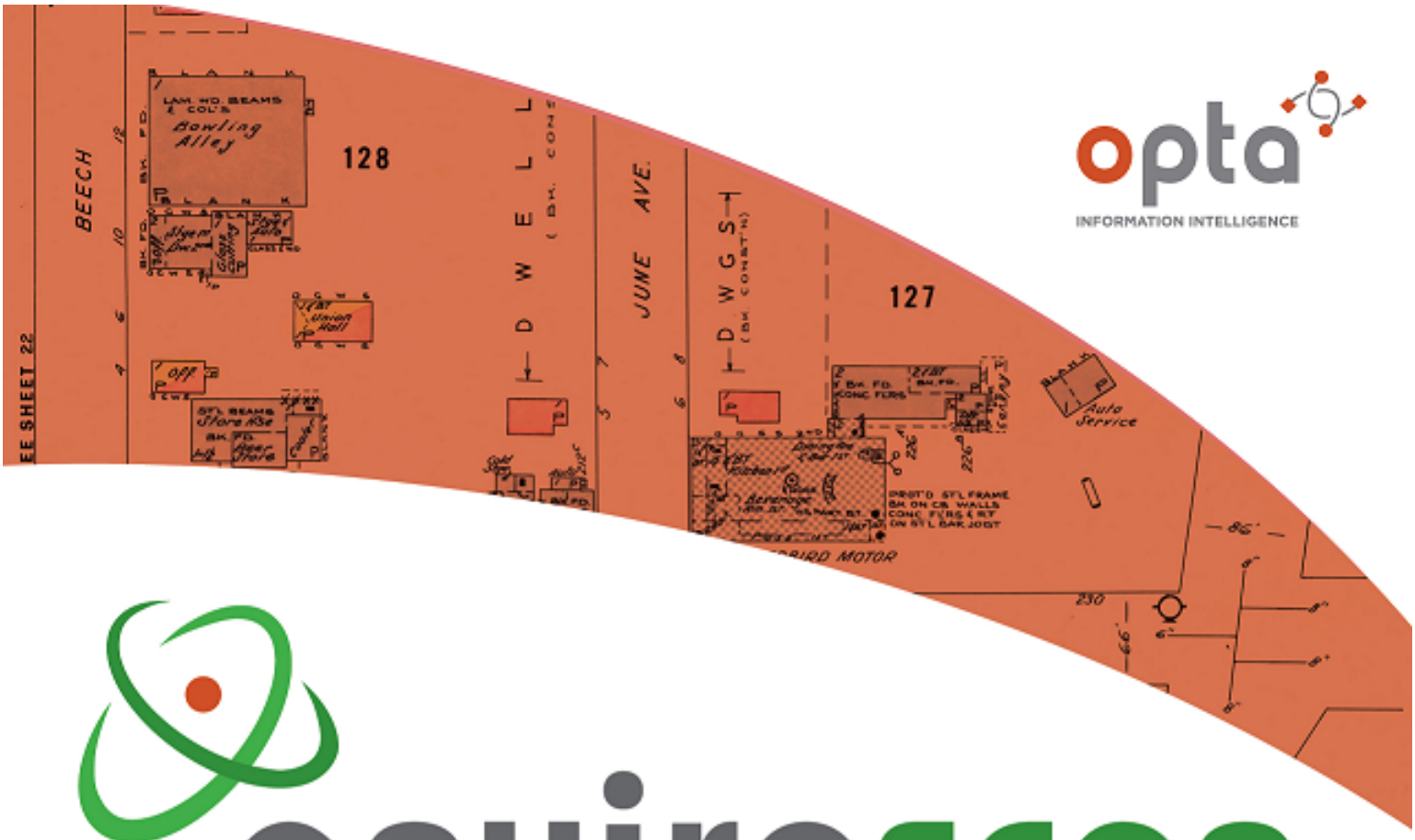
- Completed over 500 Phase I Environmental Site Assessments and Phase II Environmental Site Assessments at facilities in Canada, the United States, Mexico, and Europe. Selected experience listed below.
- Environmental Compliance Assessment for Canadian Gypsum Corporation mine site in Hagersville, Ontario.
- Phase I Environmental Site Assessment of a large aggregate extraction and processing firm. The Phase I Environmental Site Assessment included 26 sites located in Ontario and Michigan. Facilities included pits, quarries, aggregate processing operations, and truck servicing shops. Audits were focused on historical practices as well as compliance with current environmental legislation.
- Historic Site Operations Audit of a closed landfill site located in Southern Ontario for Waste Management of Canada Inc.
- Phase I Environmental Site Assessment of two automobile parts manufacturing facilities located in Southern Ontario. Audit focused on compliance with environmental legislation for TRW Canada Limited.
- Multiple Phase I and II Environmental Assessments, and Remedial Activities for an international equipment manufacturer and retailer. Work included Sites in Quebec, Ontario, Manitoba, Saskatchewan and British Columbia for the J.I. Case Company - Racine, Wisconsin.
- Phase I Environmental Site Assessment, and Phase II Work Plan, of a national transportation company. Assessments were completed preparatory to the sale of the business for Kingsway Transport - Federal Industries.
- Phase I Environmental Site Assessment, and Phase II Site Remediation for a former adhesive manufacturing facility in Toronto, Ontario - Nacan Products Limited, Brampton.
- Phase I Environmental Site Assessment, Environmental Compliance Assessment, Phase II Site Investigation, and Phase III Environmental Work Plan for an automobile parts manufacturer in Waterloo, Ontario for General Motors, Detroit, Michigan.
- Phase I Environmental Site Assessment, Phase II Environmental Site Assessment, and implementation of plant closure and cleanup for 185,000-square-foot spark plug manufacturing facility - Champion Spark Plug, Windsor, Ontario.
- Phase I Environmental Site Assessment and Phase II Environmental Site Assessment of former Aluminum Smelting facility and negotiation with MOEE for limited cleanup program and redevelopment of the property - Eli Lilly Canada.
- Phase I Environmental Site Assessment and Phase II Environmental Site Assessment of a 1.5-million-square-foot diesel electric locomotive and light armored vehicle manufacturing facility, London, Ontario - General Motors of Canada Diesel Division.
- Phase I Environmental Site Assessments and Compliance Assessments of approximately 26 funeral homes, cemeteries, and crematories in British Columbia, Alberta, Manitoba, Saskatchewan, Ontario, Quebec, New York, Michigan, and New Jersey - The Loewen Group.
- Project Manager for 22 Phase I and II Environmental Site Assessments of Diversey Inc. facilities in Canada, United States, United Kingdom, Mexico, and the Caribbean - Unilever Canada Inc. Also completed four Environmental Compliance Assessments.
- Phase I Environmental Site Assessments of five metal fabrication facilities in Brooklyn, New York - Masco.
- Phase I and Phase II Environmental Site Assessment of a former automotive parts manufacturing facility prior to purchase, Cambridge, Ontario - Challenger Motor Freight.
- Phase I Environmental Site Assessment and Compliance Assessment of a seafood preparation facility including an evaluation of wastewater treatment requirements and associated costs - Unilever Canada Inc.
- Phase I Environmental Site Assessments and Compliance Assessments of three chemical blending facilities prior to acquisition by Unilever Inc. - Baltimore, Maryland, Omaha Nebraska and Charlotte, North Carolina.
- Phase I and Phase II Environmental Site Assessment of former paint manufacturing facility, retail service station, scrap yard and leather goods manufacturer, Vancouver, British Columbia - The Loewen Group.
- Phase I Environmental Site Assessment of a refrigerated warehouse facility to support the sale of the property, Belleville, Ontario - Coca Cola Foods.
- Phase I Environmental Site Assessment and Compliance Assessment of two tube manufacturing facilities, Sault Ste. Marie and London, Ontario - Arc Tube.

- Phase I Environmental Site Assessment of industrial facility for lease termination, Stoney Creek, Ontario - Westinghouse Canada.
- Numerous Phase I Environmental Site Assessments of trucking facilities - Yellow Freight Systems/Roadway.
- Phase I and Phase II Environmental Site Assessment of drycleaning facilities, Abbotsford and Kelowna, British Columbia, and Barrie, Ontario.
- Phase I Environmental Site Assessment of former railway line, North Bay, Ontario, Owen Sound, Ontario and Sarnia, Ontario.
- Phase I Environmental Site Assessment of forge facility in Ontario - Linamar Corporation.
- Phase I Environmental Site Assessments of numerous rental car facilities in Eastern Canada - Avis Rent A Car System.
- Phase I Environmental Site Assessment of trucking facility in Port Clinton, Ohio - Challenger Motor Freight Inc.
- Phase I Environmental Site Assessment of pigment manufacturing facility in Bromont, Quebec - Dominion Colour Corporation.
- Phase I Environmental Site Assessment of dairy facility in Ontario - Dairyworld Foods.
- Environmental Compliance Assessment of large PVC film manufacturing facility, Cambridge, Ontario - Canadian General Tower.
- Phase I Environmental Site Assessment of pyrotechnics manufacturing facility in Ontario - Miller Thomson.
- Phase I Environmental Site Assessment of several dairy facilities in Ontario and Quebec - Parmalat.
- Phase I Environmental Site Assessment and Compliance Assessment for three lighting fixture manufacturing facilities in New Windsor, New York.
- Phase I and II Environmental Site Assessment of large block of land in downtown Calgary for mix use residential and commercial redevelopment.
- Phase I and II Environmental Site Assessment of paint manufacturing facility in Mississauga, Ontario.
- Phase I and II Environmental Site Assessment of plate glass manufacturing facility in Owen Sound, Ontario.
- Phase II Environmental Site Assessment of former manufacturing facility in Guelph, Ontario.
- Phase I Environmental Site Assessment of rock wool manufacturing facility in Sarnia, Ontario.

Work history

1986 – present	Principal, GHD (formerly Conestoga-Rovers & Associates), Waterloo, ON
	Named to CRA Executive Committee, 2009
	Named CRA Principal, 1999
	Named CRA Associate, 1996

Appendix B
Fire Insurance Information



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:

75 Bradford St,,Barrie

Project No:

20170315162

Opta Order ID:

34279

Requested by:

Eleanor Goolab
ERIS

Date Completed:

3/22/2017 8:04:56 AM

Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

Search Area: 75 Bradford St,,Barrie

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

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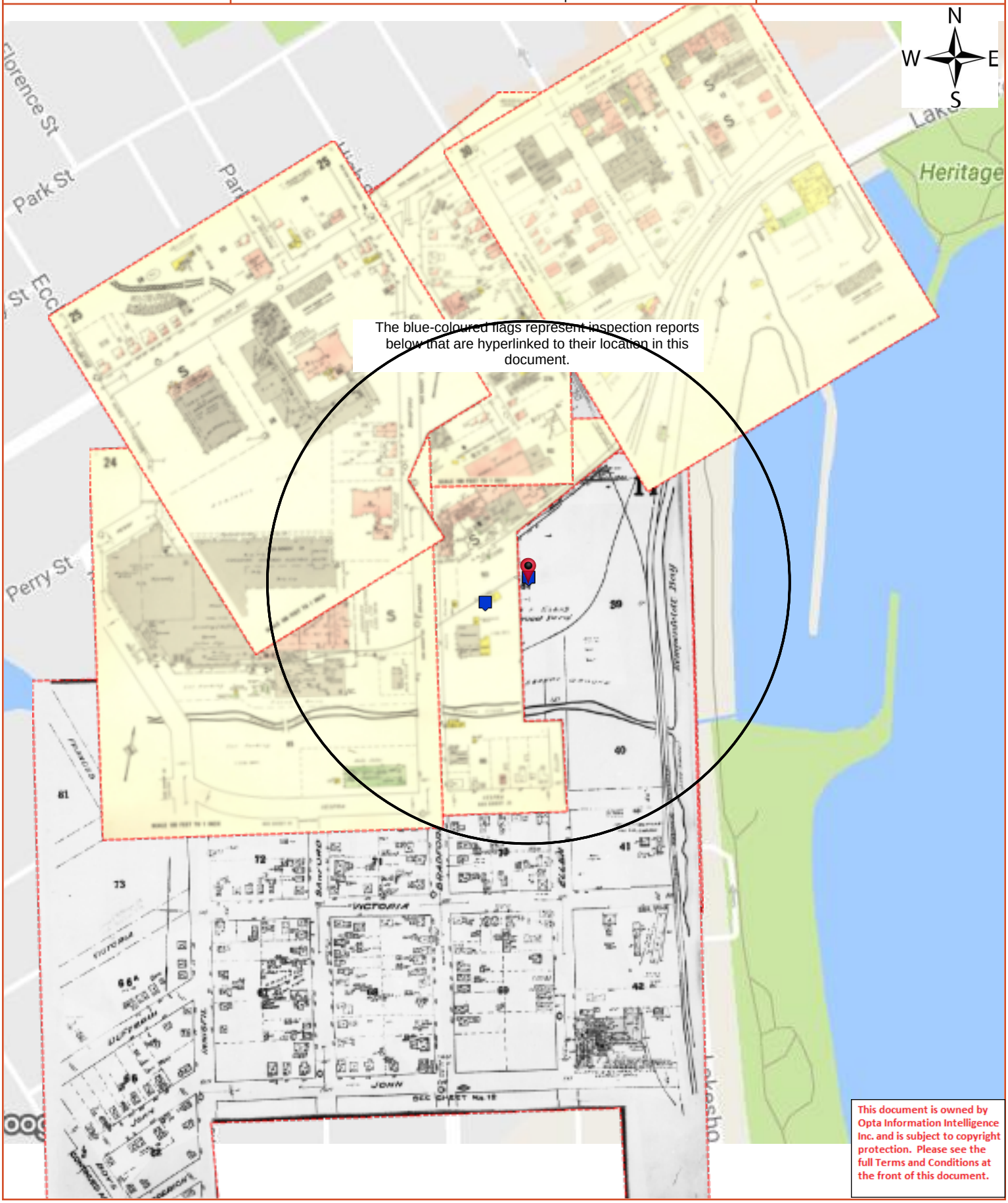
OPTA INFORMATION INTELLIGENCE



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Governing Document

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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

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OPTA INFORMATION INTELLIGENCE

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Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

1917 Volume: Ontario Firemap: 8
Barrie Plan: 0120C (1907)
Sheet: 8 (1917)

Requested by:
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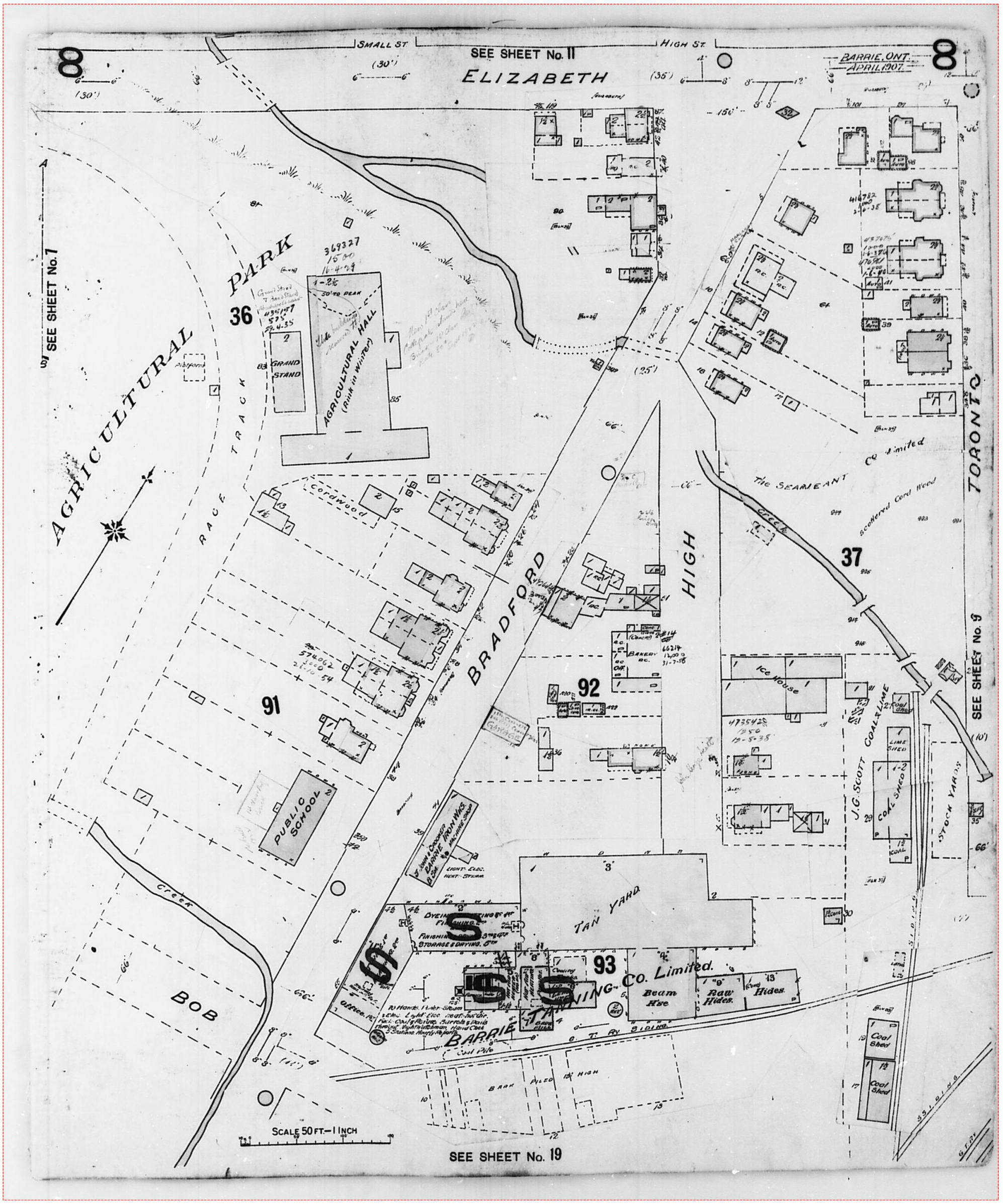

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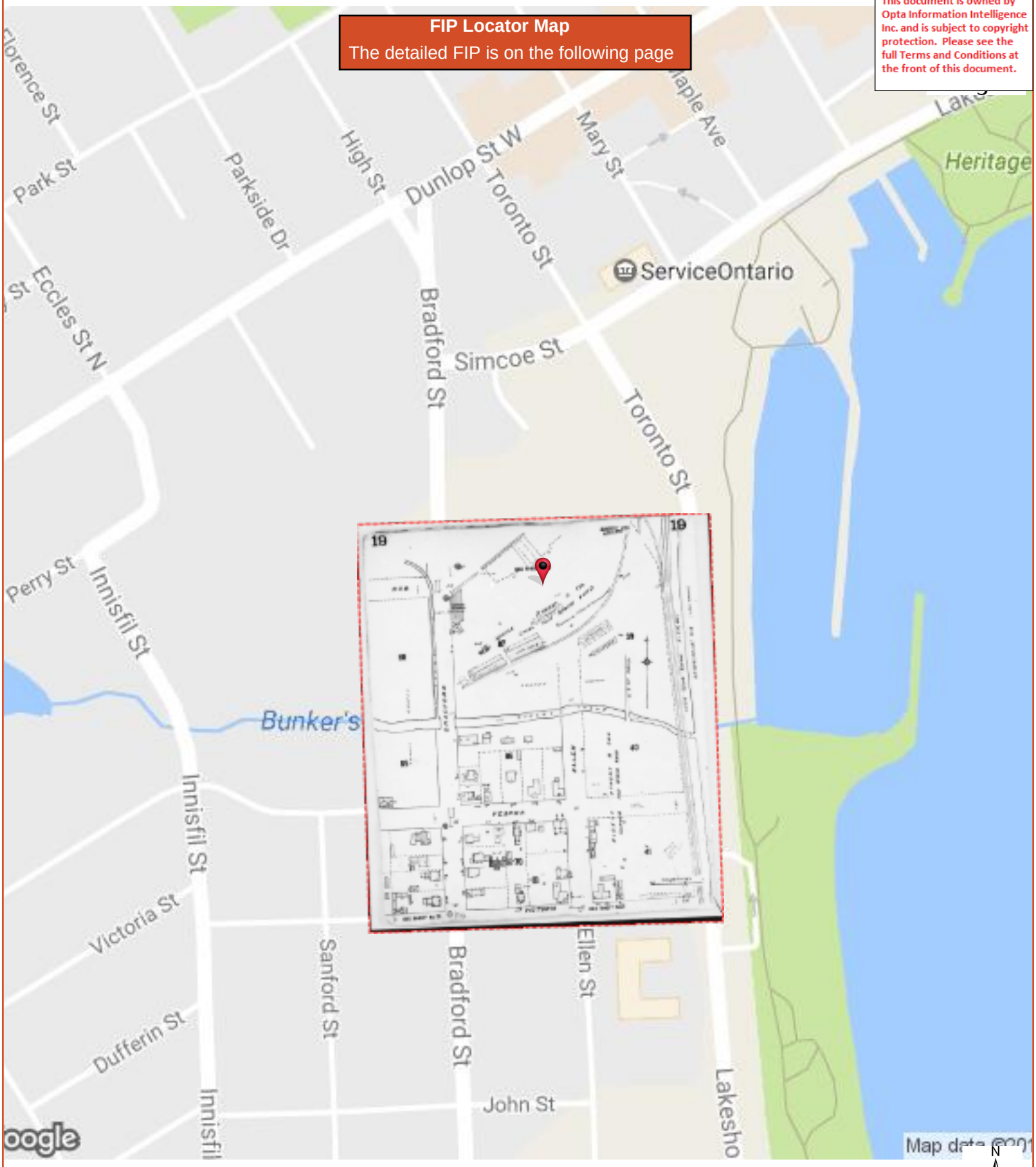

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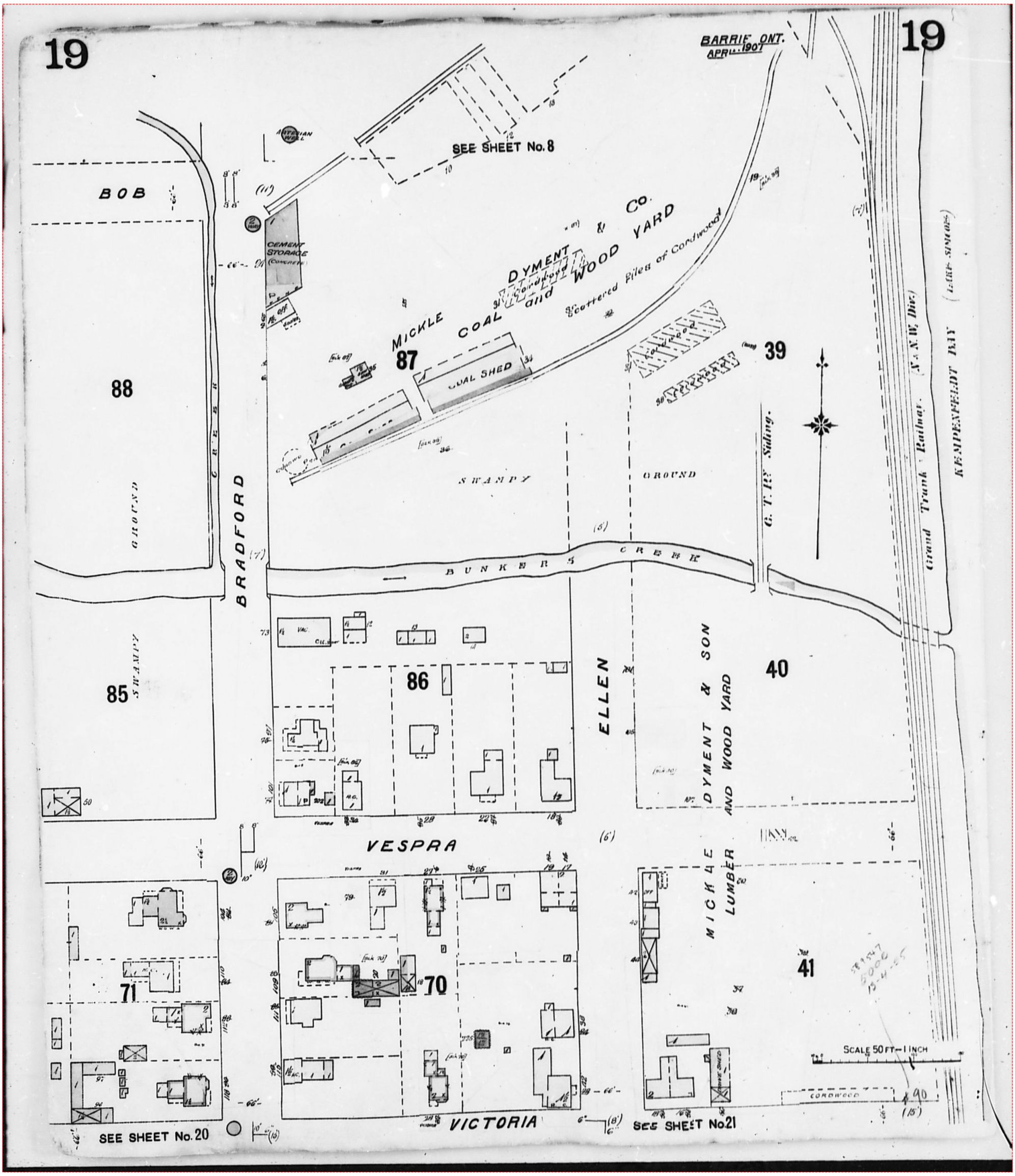

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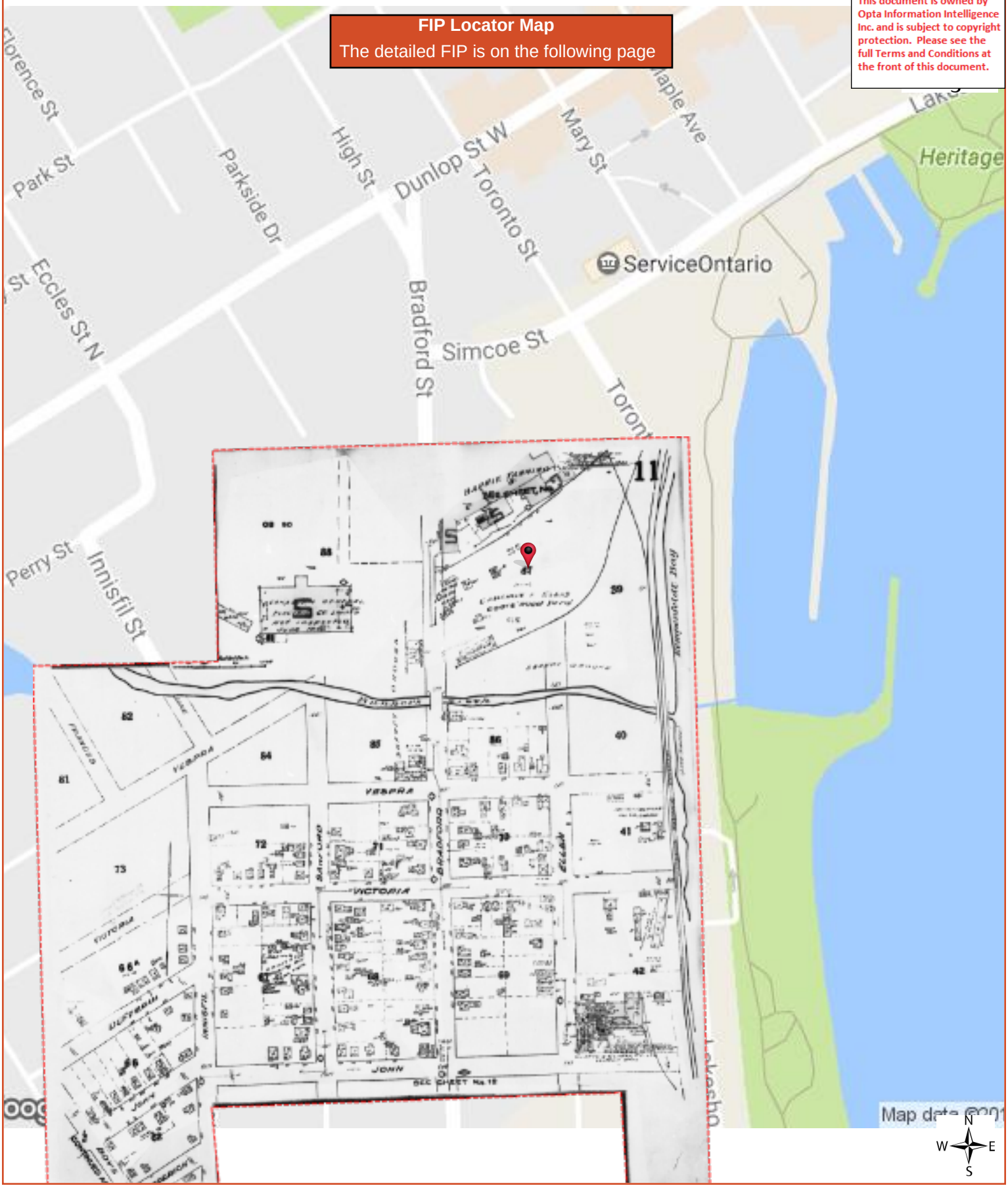

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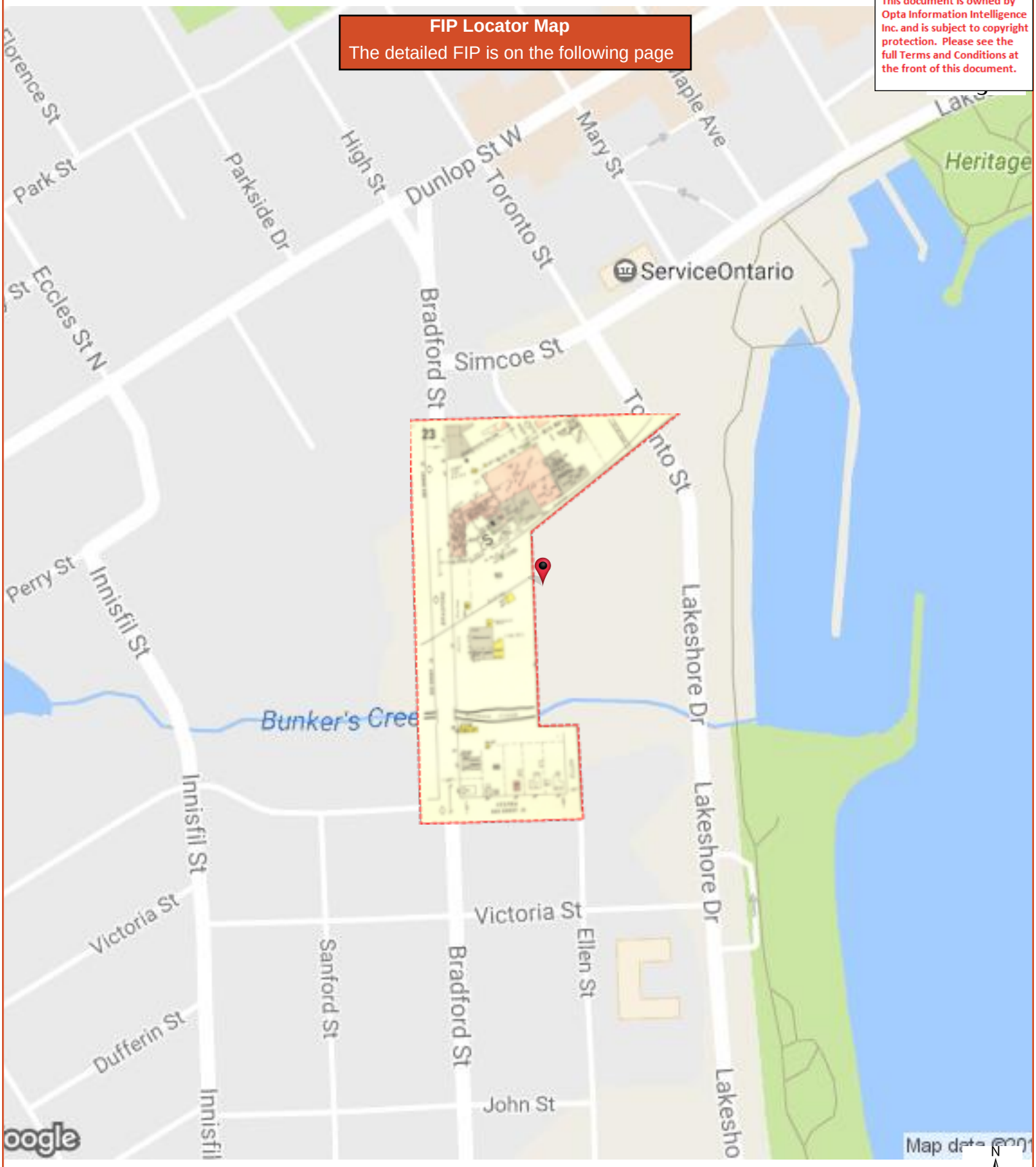

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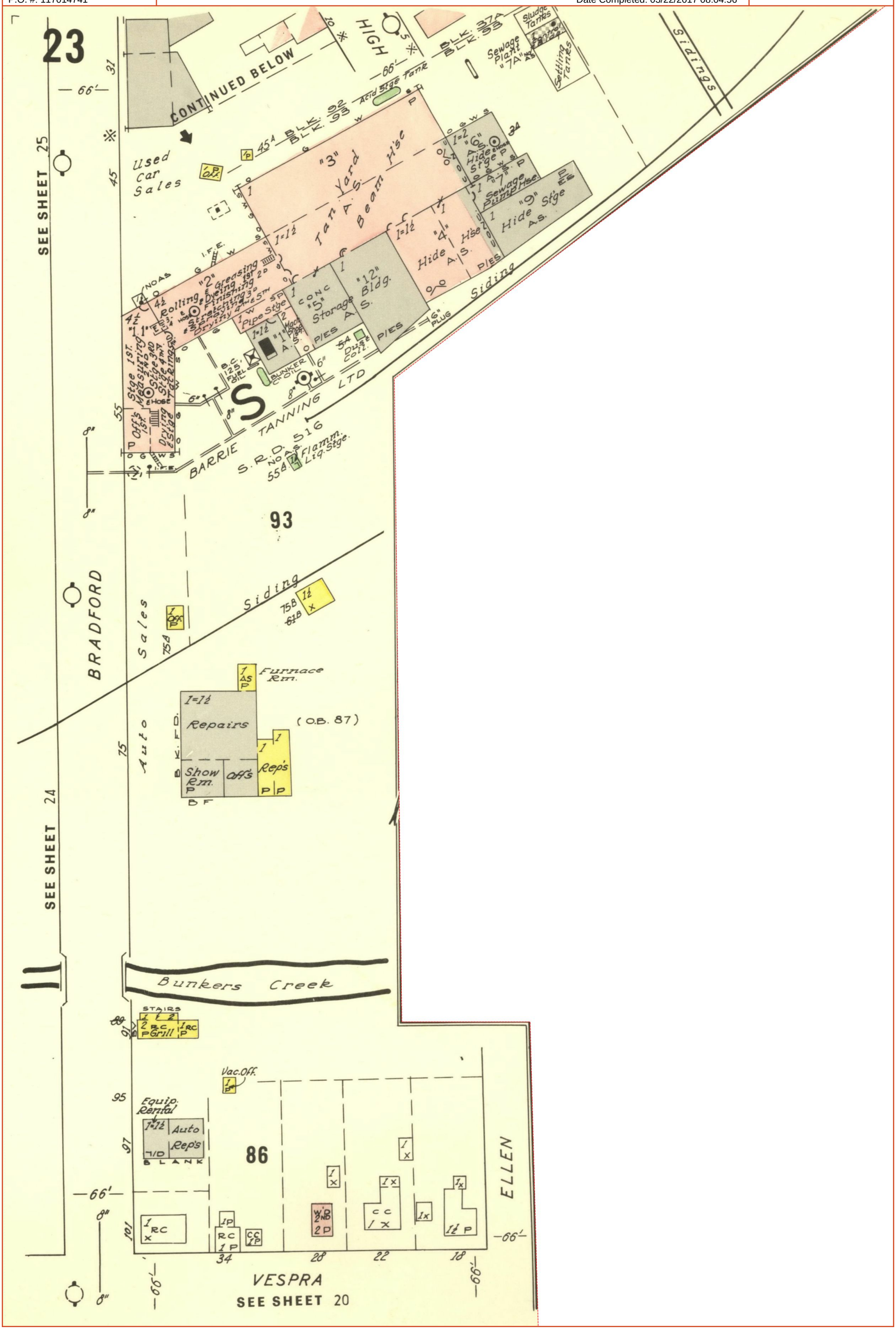

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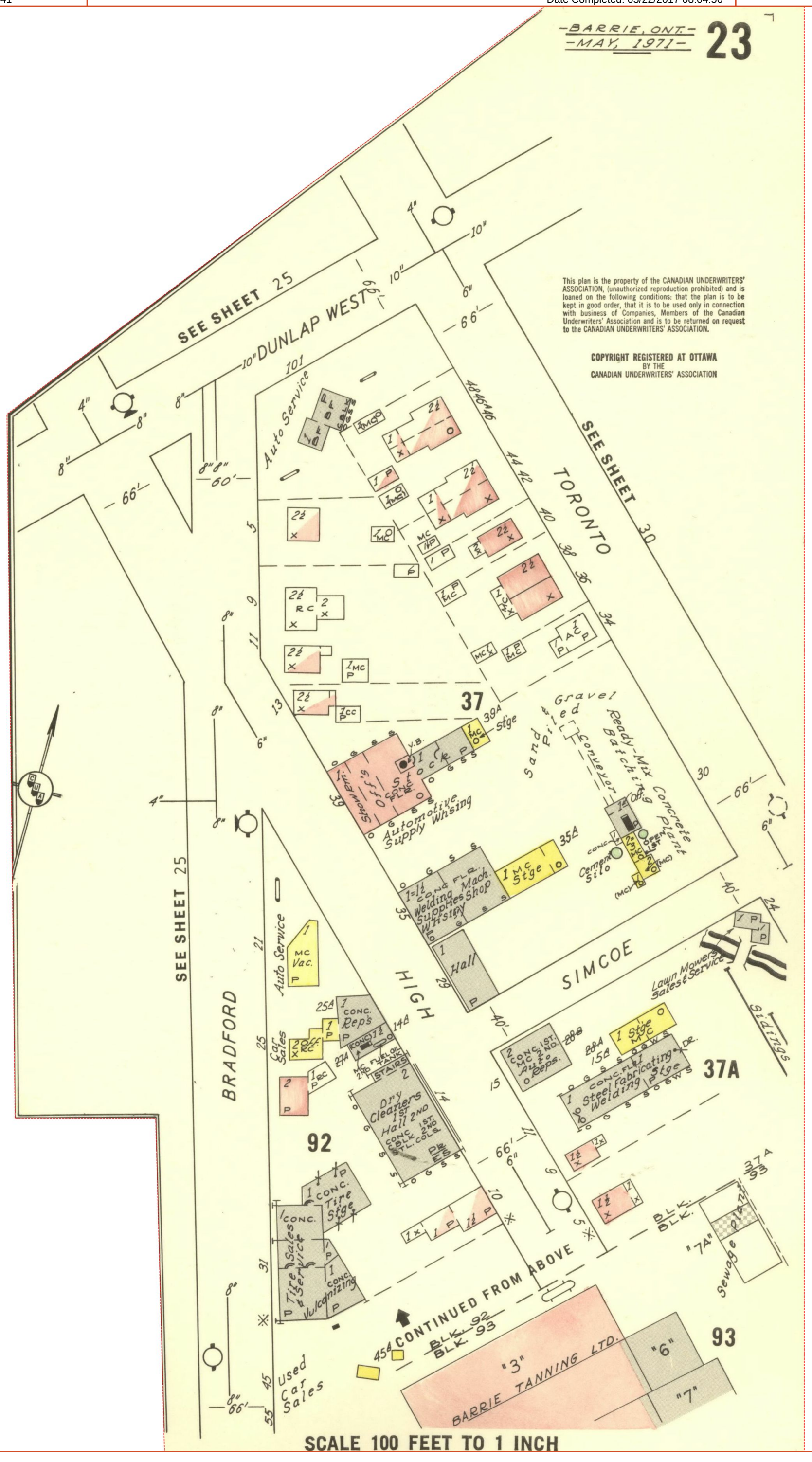

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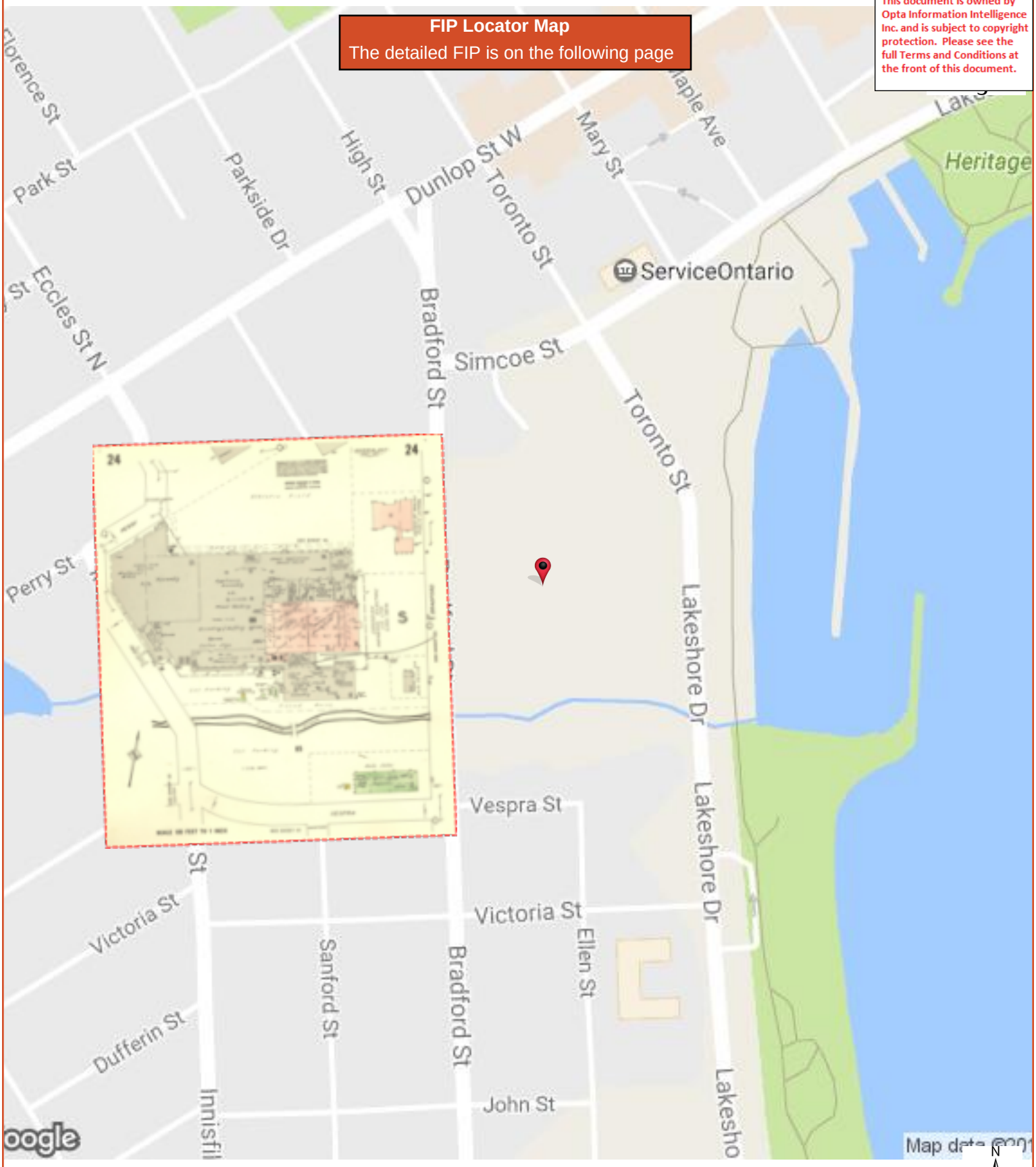

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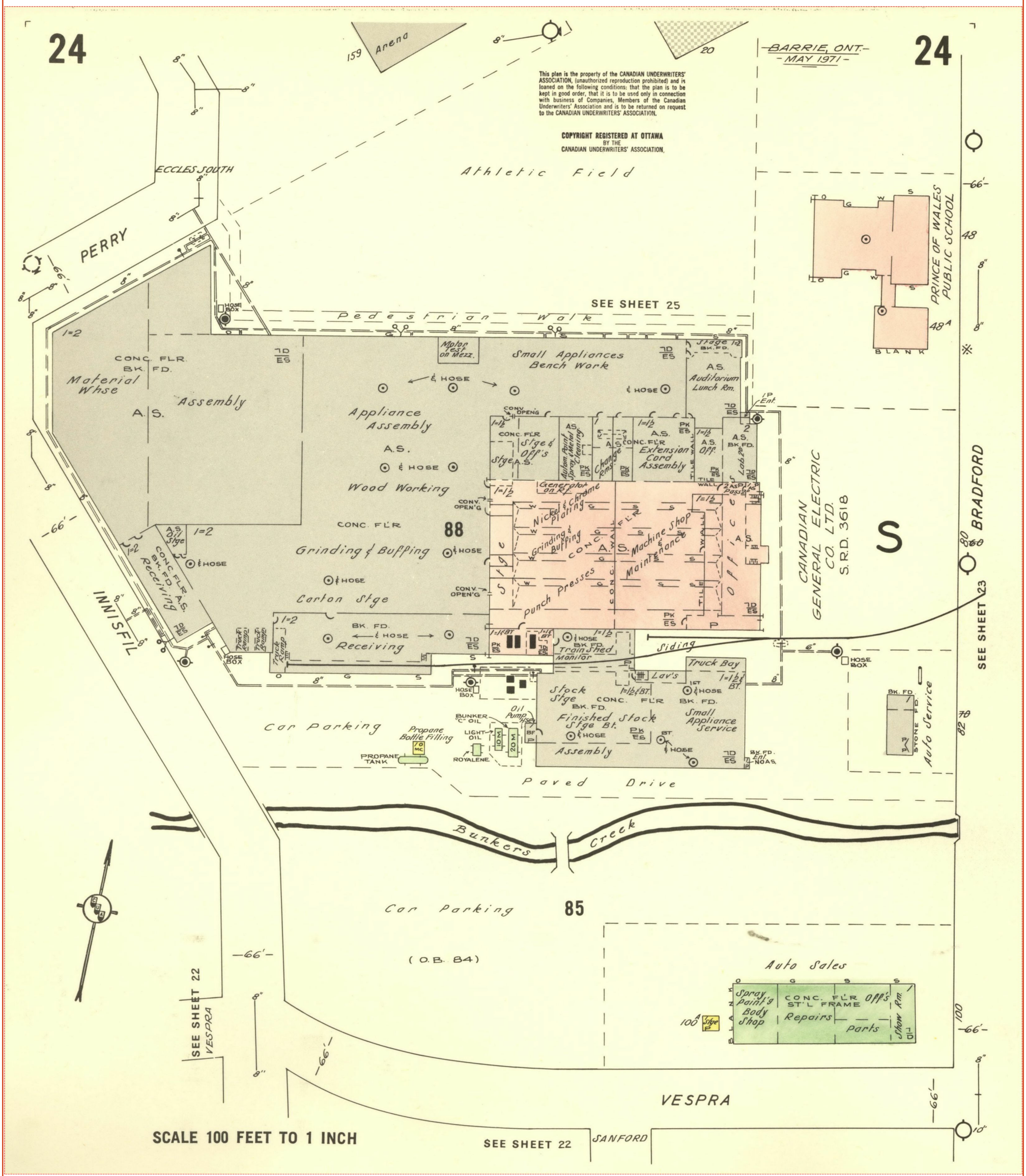

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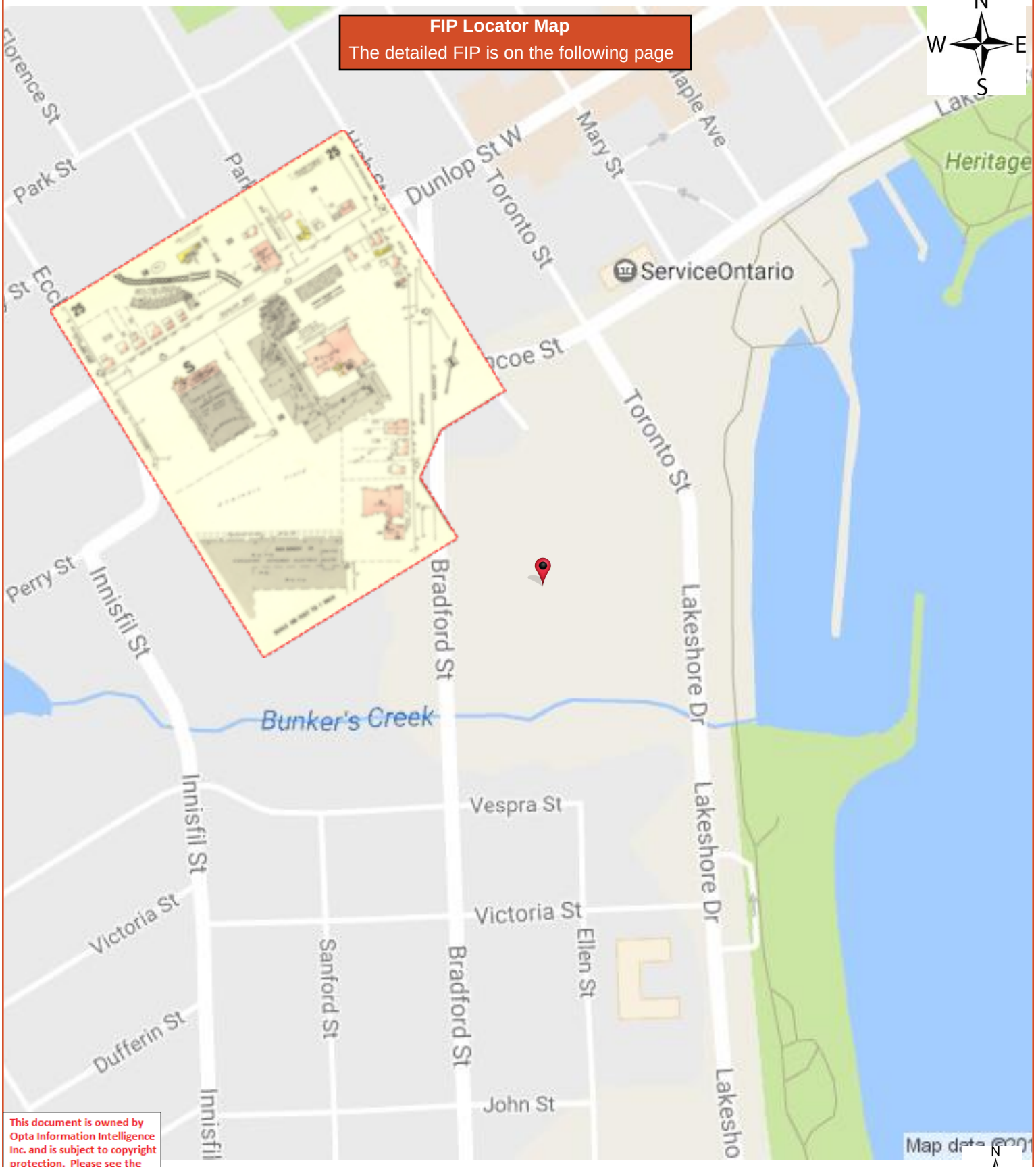

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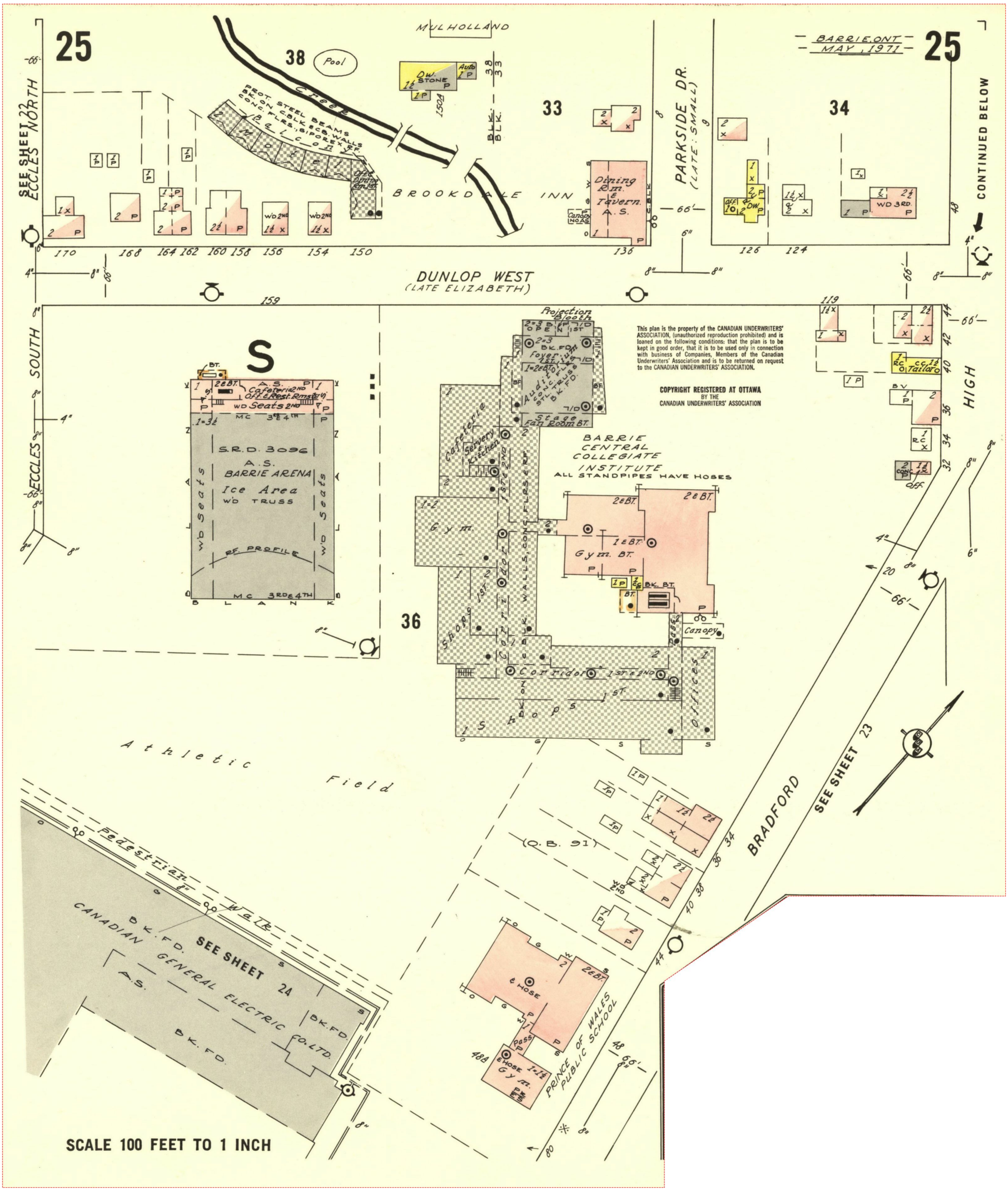

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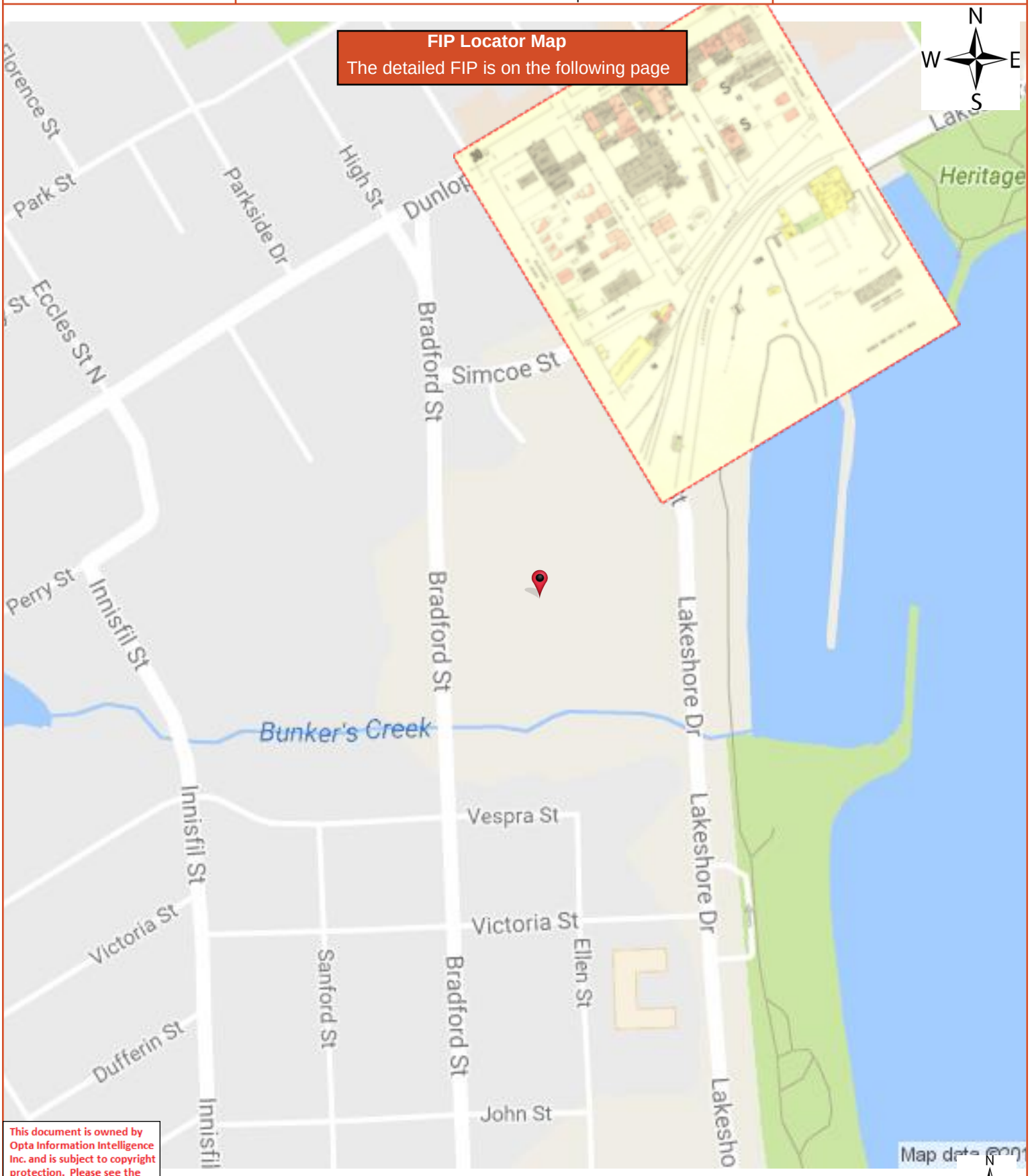

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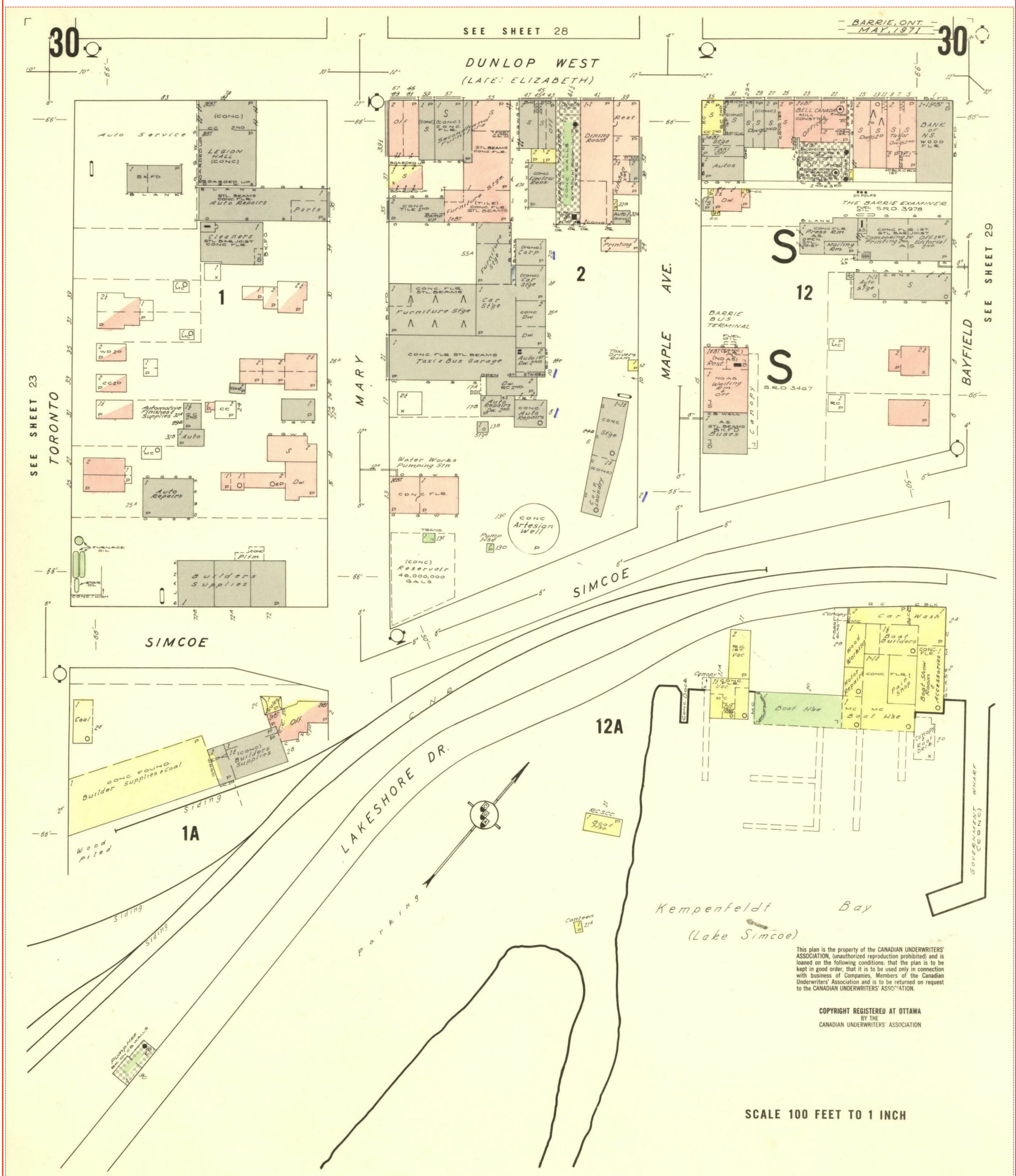

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ENVIROSCAN Report

Multirisk Report - 2000 HURONIA TIRE AND AUTO 75 BRADFORD ST BARRIE ON L4N 3A7 Reference No: 10694361

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

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OPTA INFORMATION INTELLIGENCE

AIS Ref No.: 10694361

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Ontario Branch
Confidential Report

MULTIRISK SURVEY

Insured:	HURONIA TIRE AND AUTO
Location Surveyed:	75 BRADFORD ST BARRIE H P A, ONTARIO L4N 3A7
Person Contacted:	ALAN BERGERON
Telephone Number:	(705) 728-5965
Policy Number:	CASS1018
AIS Reference:	10694361
Surveyed by:	KEN MC CORMACK
Date of Survey:	2000.01.27

Committed to Service Excellence

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ENVIROSCAN Report

Multirisk Report - 2000 HURONIA TIRE AND AUTO 75 BRADFORD ST BARRIE ON L4N 3A7 Reference No: 10694361

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AIS Ref No.: 10694361

HURONIA TIRE AND AUTO
75 ST BRADFORD; BARRIE H P A, ONTARIO

M U L T I R I S K - F I R E, L I A B I L I T Y A N D
B A S I C C R I M E

OCCUPANCY:

The insured is a tenant at this location. They have been in operation since 1995 and at this location for 5 year(s). They occupy 936 sq. m and are the major occupant, having 10 employees. The premises are in good condition, pending recommendation compliance. The insured is interested in loss prevention, however there have been losses during the last 3 years.

* Loss History

Lightning claim in June 1998 for about $5,000 to computer equipment.

* Occupancy Description (Insured / major tenant if insured is non-occupant)

The risk is occupied as an auto repair garage with mechanical repairs only. Minor welding is performed and appears safely arranged. A self-closing metal bath is used for degreasing parts.

* Other Classes of Occupants

A small area is operated by others as an office for the "Auto Trader" magazine where ads are placed and photographs are taken. A section is used as a sales office for used car sales by others also.

* Undersirable Features

some broken glass in doors.

It is recommended that this location be resurveyed in 1 year(s).

BUILDING:

* Built - 1960 (est.) Height: Storey(s) (excluding basement) - 1
* Addition(s) - 1970's
* There are no renovations.
* Building condition - Good

* Area: Ground Floor - 936 sq. m Total (including basement) - 1075 sq. m

---

BASIC CONSTRUCTION:

* Walls - 75% Masonry - Brick, Concrete blocks
3% Wood Frame - Wood frame metal clad
22% Wood Frame - wood and stucco clad

* Floors - (excluding basement) 100% Concrete

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* Roof - 100% - Wood joist
  - Surface material(s) - Tar and gravel
  - Original roof.

INTERIOR FINISH:

* Walls - 25% non-combustible
  - 75% open

* Ceilings - 25% non-combustible
  - 75% open

BASEMENTS: None

VERTICAL OPENINGS: None

MEZZANINE:

* Construction - wood joist
* Occupancy - storage
* Area - 139 sq. m

OUTBUILDINGS: None

HEATING:

* radiant tube heating - 75% - Natural gas
  - Upgraded in 1995, 100% replaced.
  - Installation appears safe

* Roof Mounted Units - 25% - Natural gas
  - Upgraded in 1995, 100% replaced.
  - Installation appears safe

* Fuel Tanks/Supply:
  - Supply - UG Natural Gas Connection

* Chimneys:
  - Type B Gas Vent, ULC Labelled - Standard

ELECTRICAL:

* Condition - Good and appeared safe at the time of the survey.
* Wiring - Conduit, BX, Non-Metallic
* Overcurrent protection - Circuit Breakers.
* Electrical system - Original installation.

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PLUMBING:

* Condition - Good at the time of the survey.
* Piping is Copper
* Plumbing - Original installation.

EXPOSURES: (within 15m of the risk):

* FRONT: OPEN

* REAR: OPEN

* LEFT: OPEN

* RIGHT: OPEN

MUNICIPAL PROTECTION:

* The FUS Public Fire Protection Classification is 5
* Responding (career) fire department Barrie
* Distance from risk Less than 2.5 km
* Access via Paved roads. Year-round.

* The building itself is easily accesible to the fire department.
* Two hydrants within 155m (standard)

PRIVATE PROTECTION at this location includes the following:

* Standard extinguishers

* An automatic sprinkler system is not present.

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M U L T I R I S K - L I A B I L I T Y

OCCUPANCY - GENERAL INFORMATION

* Neighbourhood is predominantly commercial, residential
* Insured - tenant Area occupied - 1075 sq. m
* 20% accessible to public. Public access is considered light
* Gross revenue - could not be determined at the time of the survey

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PREMISES information at the time of this survey

* The following appeared to be SATISFACTORY:

  Stairs, ramps, handrails; Floor surfaces & coverings; Wall & ceilings; Inerior Lighting; Exterior Lighting; Emergency Lighting; Interior Housekeeping; Exterior Housekeeping; Washrooms; Sidewalks, Yards & Parking Lots; Snow & ice removal; Signs & Awnings; Fire exits

ELEVATING DEVICES

* 9 Hoists
  - Current license is not present.
  - Maintenance contract - No

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AIS Ref No.: 10694361

HURONIA TIRE AND AUTO
75 ST BRADFORD; BARRIE H P A, ONTARIO

M U L T I R I S K - B A S I C C R I M E

NEIGHBOURHOOD:

* Predominantly commercial, residential
* Stable
* Best described as having a moderate crime rate

BUSINESS:

* Description - auto repair shop
* Hours of Operation - tba
* Typical Stock - auto replacement parts such as filters, hoses, belts bulbs and tires
* Target Stock Details - tires value not given
* Smash and Grab exposure is low
* There is no safe on the premises

GENERAL PROTECTION at the time of this survey:

* The following appeared to be SATISFACTORY:

  Exterior Lighting, Interior Lighting, Roof Accessability, Target stock protection, Police Patrols

* Security Alarm System - Yes

SECURITY SYSTEM (TENANT or OWNER/OCCUPANT):

* A premises alarm system is in place
* The extent of protection by this system is perimeter, space/area
* The alarm is ULC Central/Monitoring station
* Line security is provided
* The type of line security is Dedicated line

PHYSICAL PROTECTION (TENANT or OWNER/OCCUPANT):

* The exterior locks at this location are deadbolt, spring, slide bolt
* The windows are not barred

This report section is designed to provide basic crime information only. More detailed crime information can be obtained by ordering an Expanded Crime Supplement.

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AIS Ref No.: 10694361

HURONIA TIRE AND AUTO
75 ST BRADFORD; BARRIE H P A, ONTARIO

M U L T I R I S K
R E M A R K S / R E C O M M E N D A T I O N S

REMARKS:

* Fire, Liability & Basic Crime - This is an older well established auto repair garage located on a busy main thoroughfare. The Insured also acts as a rental agent for "U-HAUL" truck rentals. No bodywork is carried out here. The Insured performs tune-ups, brake and suspension repairs etc. and a lot of business is installation of new tires.

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RECOMMENDATIONS:

* 00-1 Fire, Liability & Basic Crime - The broken glass in the doors should be repaired to reduce the risk of injury or damage to the building.

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FIRE INSPECTION & RATE CALCULATION Report - 1977 75 Bradford St Barrie ON e

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INSURERS' ADVISORY ORGANIZATION OF CANADA

ONTARIO REGION
MERCANTILE RISKS

FIRE INSPECTION AND RATE CALCULATION FORM

1.

(Use this form for risks of all construction (excluding fire resistive) rated from the Mercantile Masonry Schedule or the Mercantile Brick Veneer – Frame Schedule.)

LOCATION: Barrie
ADDRESS: 75 Bradford Street
(Formerly)
IAO PLAN – Sheet No.: 23; Block No.: 93; Plan No.: 75; NOP ☐; See Attached Diagram ☒

		Charges	Ded.
WALLS:	L.R.F.B. IND. ☒; L.R.F.B. PARTY ☐; B.B/HCB., S.CONC., HCB., H.T., B.V., R.C., M.C., AS.C., P.C., FR.; EXPOSED WALL (NOT PARAPETTED) – L., R., F., B.; GLASS/METAL PANELS – L.....%, R.....%, F.....%, B.....%; STEEL (or ASBESTOS) on STEEL FRAMEWORK, etc.; MIXED CONSTRUCTION: Masonry 81 %; Brick Veneer .....%; Metal or Rigid Asbestos clad .....%; Other 19 % Asb./Frame	10	–
HEIGHT:	One and Two Storey(s); Basement: YES ☐ NO ☒	05	–
AREA:	BT. ..... x ..... = ... sq.ft. 1st. 70 x 100, 20 x 25 15x55 15 60 = 9225 sq.ft. 2nd. 35 x 70 = 2,450 sq.ft. 3rd. ..... = ... sq.ft. 4th ..... = ... sq.ft. Total (All Floors) 11,675 sq.ft.		
	FLOOR AREA CHARGE .05 ¢ less (Curtain Walls) 20 % .01	04	–
KEY RATE:	45 ¢, (Total Principal Charges 19 – 0 (deductions) = 19 ¢ for determining Key Rate)	45	–
	Hydrant Deficiency One hydrant over 600'	02	–
FOUNDATION:	MASONRY ENCLOSED ☒ CONCRETE PAD ☒ POSTS ☐		
ATTACHMENTS:	(Describe)		
ACCESSIBILITY:	Fire fighting restricted by: R.Road Siding	05	–
ROOF:	Blind Space ..... ft. Used for .....; Joist ☒; Other ☐ (Specify) ..... Mansard: Left ☐, Right ☐, Front ☐, Back ☐; Covering: Wood Shingles ☐; Tarpaper ☐; Patent ☒; Other ☐ (Specify)		
ELECTRIC WIRING:	Used Exclusively – Type "S" Fuses ☐; Type "C" Fuses & Rejector System ☐; Circuit Breakers ☒; Ordinary Fuses ☐ Aluminum Wiring ☐; Rigid Conduit ☐; Open ☒	–	05
FLOORS:	Grade floor CONCRETE ☒, Basement: YES ☐, NO ☒; Steel Supports: YES ☐, NO ☒ Supporting Steel adequately protected: YES ☐ NO ☐; Heavy Wood floor(s), with floor opening(s) protected – each floor ..... YES ☐ NO ☐	–	20
EXPOSED STEEL:	COLUMNS & BEAMS – BT.Nbr. –; 1st.Nbr. 4; 2nd.Nbr. .....; 3rd.Nbr. .....; 4th.Nbr.	04	–
HEATING:	No heat ☐; Stoves ☐ Nbr. ..... O.G.C.W.; Quebec Heaters ☐ Nbr. ..... O.G.C.W.; Furnace (Convection) ☐ Nbr. ..... O.G.C.W.; Furnace (Forced Air) ☐ Nbr. ..... O.G.C.W.; Hot Water, Steam ☒ Nbr. 1 (0) G.C.W.; Fire Resistive Room YES ☐ NO ☒; Suspended Ceiling Units ☐ Nbr. ..... O.G.; Electric Heating. Portable ☐, Permanently installed ☐; Salamanders, Oil Drums, etc. (Describe) Oil Burners – Listed YES ☒ NO ☐; Fuel Oil Tanks – Listed YES ☐ NO ☐	–	–
CHIMNEYS:	SOLID BRICK FROM GROUND ☒ Nbr. 1; LISTED FACTORY BUILT ☐ Nbr. .....; Underground BRACKET ☐ Nbr. ....., Outside Bldg. ☐, Inside Bldg. Supported by floor or roof joists ☐; METAL STACKS ☐ Nbr. .....; GAUGE STEEL ..... Ins., FOUNDATION .....; SMOKEPIPE DEFICIENCIES (Describe): STOVEPIPE CHIMNEYS ☐ Nbr. .....; CLAY, CEMENT & ASBESTOS PIPES ☐ Nbr. .....; DEFICIENCIES (Describe):	–	–
	SUB-TOTAL (Carried forward)	75	25

– Continued –

Charges	Ded.
(Total brought fwd.) 75	25
POWER: AIR CONDITIONING, (COMPRESSORS) REFRIGERATION, 5 H.P. Sup'vd. ☐ Unsup'vd. ☒; 15	—
OTHER ELEC. MOTORS 2, 1, H.P. MANUALLY CONTROLLED YES ☒ NO ☐;	
PROCESS BOILERS ☐, Nbr. ..... O.G.C.W., CLEARANCE .....,	
In Fire Resistive Room YES ☐ NO ☐ .....,	
STACK ....., CLEARANCE	

INTERIOR FINISH:

	BT.	1st.	2nd.	3rd.	4th.
WALLS	90%	HCB/N	HCB/N		
CEILINGS	10%	OWSN BOARD	OWJ/N		
PARTITIONS					

—	06
01	03

VERTICAL OPENINGS:

Masonry shafts with Class "B" self-closing doors – Nbr. ..... From ..... To .....;		
Self-closing trap doors ..... inches thick – Nbr. ..... From ..... To .....;		
Sub-standard shaft or doors with self-closing doors – Nbr. ..... From ..... To .....;		
Other than above or open stairs – Nbr. 1 From 1 To 2;	10	—

INTERNAL PROTECTION: N/A

EXTINGUISHERS ..... Standard ☐; Non-Standard ☒; (For details see page 3 "Occupancy by Floor")	—	—
STANDPIPE & HOSE ..... Standard ☐; Non-Standard ☐;		
WATCHMAN & CLOCK: Standard ☐ Non-standard ☐ .....;		
SPRINKLERED BASEMENT: YES ☐ NO ☐, Approved installation YES ☐ NO ☐;		
AUTOMATIC FIRE DETECTION SYSTEM: Local ☐ or otherwise – state .....;		
Partial Sprinkler System (in Hazardous areas): YES ☐ NO ☐		

OCCUPANCY & PROCESS: Item # 152 Auto Repair Garage (No Painting) .40 (H-Water) heat N/C — .40 —

TENANTS & PROCESS: Item # .....

FAULTS OF MANAGEMENT: Poor Ceiling Finish — 25

	166 · 34
Less Deductions	- 34
Sub-Total	132
Less Special Occupancy Reduction 10 % (Where applicable)	- 13
	119

EXPOSURE: OPEN

Co-Insurance Credit: Bldg. 20 %; Contents 15 %. No. Co. Bldg. Rate → 119

IBC IND. Code(s)	IAO Rate Code(s) Occ'y.	C/P 2	IBC Codes: Terr 81 - Ind 551 - Cons 4 - Prot 3	Contents Extra	No. Co.	80% Co.	No. Co.	80% Co.
551	151	Building (1 and 2 - HCB+Asb/WF - P)			119	95		
551	151	Garage Contents		40	159	135		
502	151	Tire Stock		50	169	144		
–	151	Office Contents		20	139	118		
–	151	Machinery Furniture & Fixtures (Equipment)		20	139	118		
–		Dwelling Contents						

Requested by: Travelers — Report No. — Date: Nov 15/77

Initial: G. Sams — Date: Nov 18/77

2. OCCUPANCY & PROCESS

NAME OF RISK: (Name of building and/or owner) French Motors (Barrie) Limited — Sheet No. 23 — Block No. 93 — Plan No. 75 — NOP ☐ — See Diagram ☒

LOCATION: (i.e. Municipal address) No. 75 Bradford Street, Barrie

OCCUPANCY BY FLOOR: (indicate any vacant section(s)) (i) "Business" name and also report briefly on: (ii) Special hazards and processes if any; (iii) Location, number and type of extinguishers; (iv) Any other exceptional feature of the risk, including heavy exposures, and faults of management.

Basement: nil

1st. Floor: French Motors (Barrie) Ltd. IBC IND. 551 Auto Repair Garage, 21 hands Alignments, Safety-Kleen degreaser, Oxy-Acetylene welding, approved oil absorbent, grinder, small room off Garage with cement plaster walls & ceiling house the electrical room with two 15 H.P. compressors, The Asbestos clad frame garage extension, outside entrance only has a tar backed cardboard ceiling finish that is in poor repair. This room leads into a asbestos lined room for storage of tires on racks and into a car wash room. Two "10B,C", two unlabelled CO2 and One 2A-10B,C rated extinguishers

2nd. Floor: A wood joist floor above the offices and Showroom is used to store mufflers and parts storage.

3rd. Floor: The Boiler Room is located in an asbestos attachment A frame construction having an outside entrance. An Oakwood Spencer oil boiler 6, has been Boiler Inspected Aug 27/77 and is fed from an underground tank. It is vented through a brick chimney. The walls and ceiling is

Other Floors: cement plaster finished.

3. GENERAL UNDERWRITING COMMENTS

(a) HOUSEKEEPING & MAINTENANCE: Excellent ☐; Good ☐; Average ☒; Poor ☐, (If so, describe): (see charges under Faults of Management ☐);

(b) NEIGHBOURHOOD: Residential ☐; Commercial ☒; Industrial ☐; Congested Area ☐, (If so, describe):

(c) OPINION OF RISK: Excellent ☐; Good ☐; Average ☒; Poor ☐, (If so, describe): Number of Fire Divisions .....; (show on Plan and indicate openings)

(d) APPROXIMATE AGE OF BUILDING: 24 years. Year Built 1953 Additions; .....

Siteplan Report - 1977 75 Bradford St Barrie ON e

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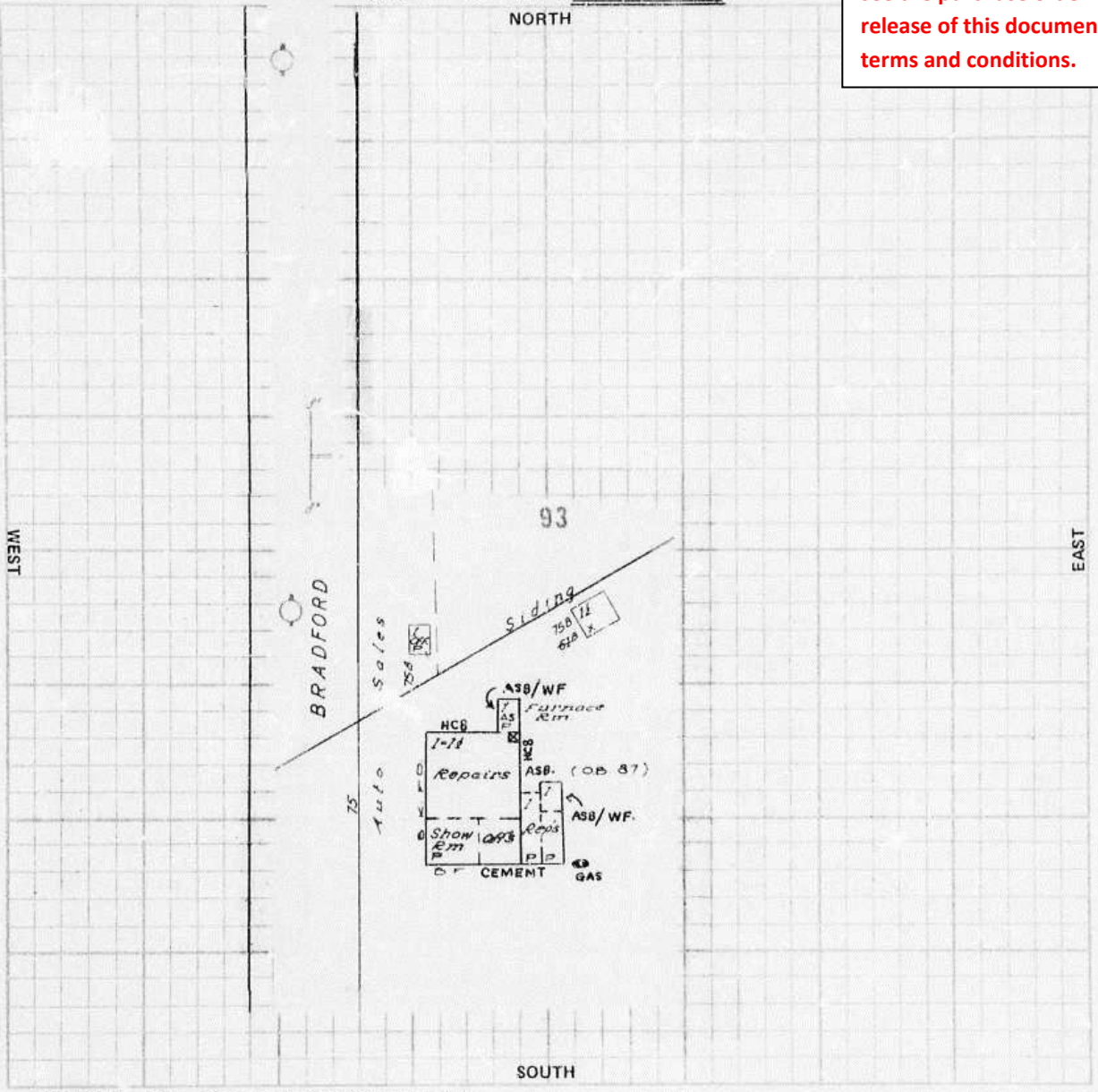
4. DIAGRAM

(Scale 1" = 50' ☐, or 1" = 100' ☒)



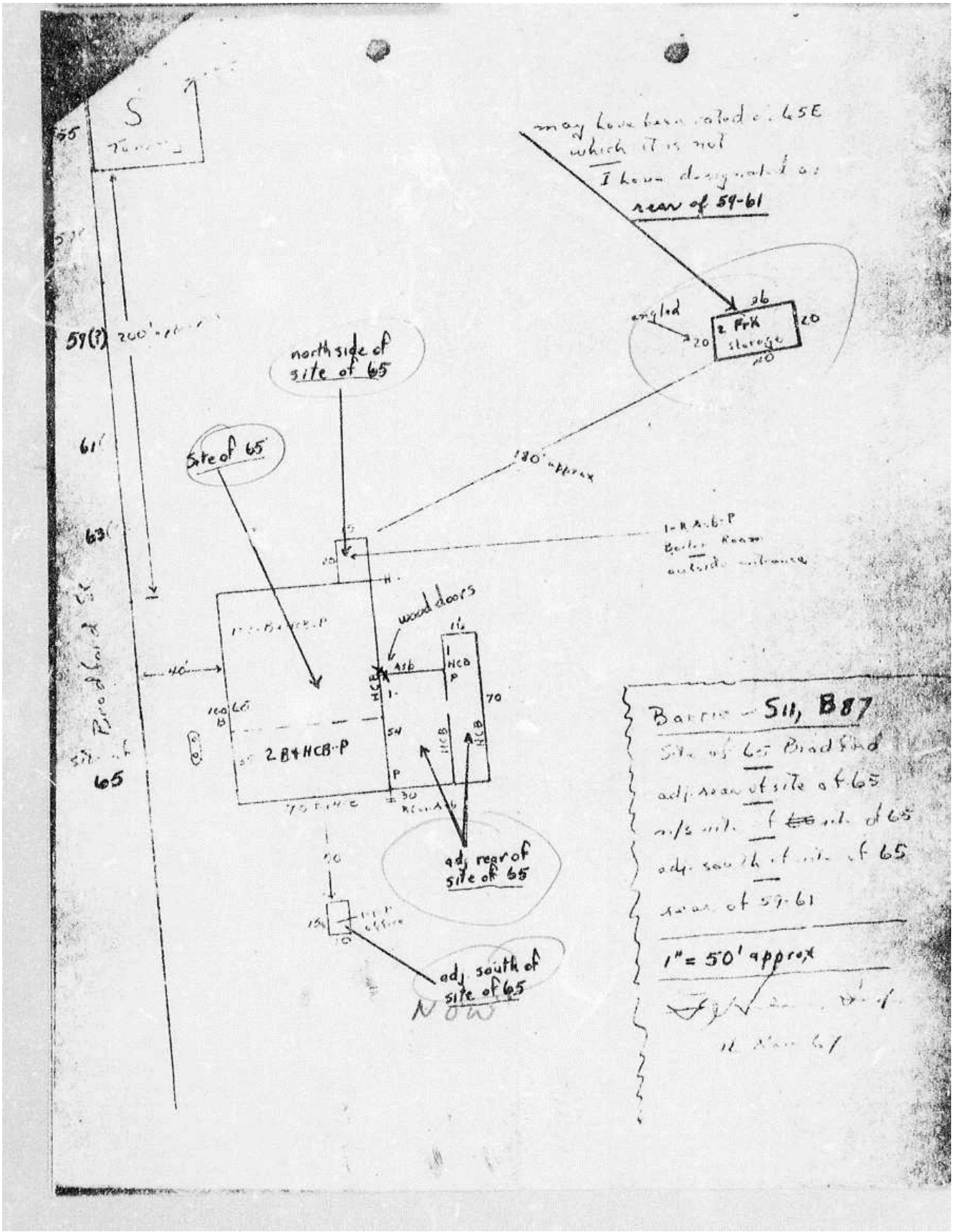
EXPOSURE: Note – These questions must be answered fully.

NORTH open ft. to building built of .... stories high, occupied as .....
SOUTH open " " .... " " .....
EAST open " " .... " " .....
WEST open " " .... " " .....

Requested by: Travelers

Signature of Inspector: B. Sasna I.A.O. Barrie

Date: Nov 23 19 77



Barrier - S11, B87

Site of 61 Broadway

adj rear of site of 65

n/s width of site of 65

adj south of n/s of 65

rear of 59-61

1" = 50' approx

11 Nov 61

Appendix C
City Directory Search Results

ENVIRONMENTAL RISK INFORMATION SERVICES

CITY DIRECTORY

Project Property: *20 Checkley Street, Barrie, Ontario*
Report Type: *City Directory*
Order No: *20191122001*
Information Source: *Vernon's Barrie, Ontario City Directory*
Date Completed: *26/11/2019*

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

City Directory Information Source
Vernon's Barrie, Ontario City Directory

PROJECT NUMBER: 20191122001	
Site Address:	20 Checkley Street, Barrie, Ontario
Year: 1998-99	
Site Listing:	-Address Not Listed

PROJECT NUMBER: 20191122001	
Site Address:	20 Checkley Street, Barrie, Ontario
Year: 1993-94	
Site Listing:	-Address Not Listed

PROJECT NUMBER: 20191122001	
Site Address:	20 Checkley Street, Barrie, Ontario
Year: 1989	
Site Listing:	-Address Not Listed

PROJECT NUMBER: 20191122001	

Site Address:	20 Checkley Street, Barrie, Ontario
Year: 1982	
Site Listing:	-Address Not Listed

PROJECT NUMBER: 20191122001	
Site Address:	20 Checkley Street, Barrie, Ontario
Year: 1974	
Site Listing:	-Address Not Listed

PROJECT NUMBER: 20191122001	
Site Address:	20 Checkley Street, Barrie, Ontario
Year: 1966	
Site Listing:	-Address Not Listed

PROJECT NUMBER: 20191122001	
Site Address:	20 Checkley Street, Barrie, Ontario
Year: 1961	

Site Listing:	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

ENVIRONMENTAL RISK INFORMATION SERVICE

Head Office: 80 Valleybrook Dr, Toronto, ON M3B 2S9
Physical Address: 38 Lesmill Rd, Toronto, ON M3B 2T5
Phone: 416-510-5204 • Fax: 416-510-5133
info@erisinfo.com • www.erisinfo.com

City Directory Information Source
Vernon's Barrie, Ontario City Directory

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1998-99	
Site Listing:	51-Utopia Auto Sales -U-Haul Co 52-Kempview Motor Sales 75-Barrie Auto Sales -Huronia Tire And Auto Service Centre -Ontario Automobile Distributors
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-Multi-Tenant Office 100-Carsmart Incorporated

	-Bell's Collision -Dynamik Auto Service -Park & Sale Jackson Auto Swap 110-Barrie Harley Davidson 112-Simcoe Bait & Tackle II 118-Pogie's Pub 120-Byron Graham Motors 97-Community Cycle 103-Dairy Queen 109-Central Station -G I T Security Monitoring & Communications -Van Am Electronics 111-Tom's Auto Service 119-Campbell Auto Sales
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 36-Bayside Automotive -Copyworks -Huronia Technologies -Howard Engines 38-Dykstra Bros Electric -Marketeers & Company
Lakeshore Drive (1-65)	-All Residential

	5-Royal Canadian Sea Cadet Corp.
Sanford Street (25-45)	-All Residential 37-Sanford Salon
Simcoe Street (20-40)	34-Ministry Of Culture Tourism & Recreation -Golfside Construction -Kinark Child And Family Services -Ministry Of Community & Social Services
Toronto Street (1-25)	25-Power Plant Recording Studios
Vespra Street (15-65)	-All Residential 65-Fire Dept. Business Office
Victoria Street (1-80)	-All Residential 11-Multi-Tenant Office 29-Barrie Area Native Advisory Circle

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1993-94	
Site Listing:	51-Wagner's Service Centre 55-Deal On Wheels

	-Central Automotive Sales 75-Barrie Auto Sales -Huronia Tire And Auto Service Centre
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-Multi-Tenant Office 100-Barrie Honda Auto Sales 118-Pogie's Pub 120-Byron Graham Motors 5-New Shape Figure Spas 11-Baytex Computers 25-Justin Motors 27-Adults Only Video 45-Bay City Motors 97-Community Cycle 103-Dairy Queen 109-G I T Security Monitoring & Communications -Van Am Electronics 111-Tom's Auto Service 119-A T A Leasing -Dave & Rico Auto Sales
Checkley Street (All)	-Street Not Listed

Ellen Street (30-45)	-All Residential 34-Bayside Automotive 36-Huronia Technologies 38-Dykstra Bros Electric -Accident Appraisal Service -Prime Cut Food Services
Lakeshore Drive (1-65)	-All Residential
Sanford Street (25-45)	-All Residential 37-Sanford Salon
Simcoe Street (20-40)	34-Ministry Of Culture Tourism & Recreation -Golfside Construction -Kinark Child And Family Services -Ministry Of Community & Social Services -Royal Bank
Toronto Street (1-25)	25-Power Plant Recording Studios
Vespra Street (15-65)	-All Residential 65-Fire Dept. Business Office -Barrie Police Service
Victoria Street (1-80)	-All Residential 11-Multi-Tenant Office

	29-Kavski Engineering Ltd.

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1989	
Site Listing:	51-E L M Auto Sales & Leasing 75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-Multi-Tenant Office 100-Barrie Honda Auto Sales 110-Huronia Tire & Auto Service Centre 112-Angel Florists -The Plant Place 118-Pogie's Pub 9-Royal Lepage Real Estate 11-Mr. Build Barry's Landscaping Services -Heating & Air Conditioning -Virg N Wood Contracting 25-Justin Motors

	45-Bay City Motors 97-Simcoe Stereo Centre 103-Dairy Queen 109-G I T Security Monitoring & Communications -Van Am Electronics 111-Tom's Auto Service 119-Toke Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 36-Bayside Automotive -Now Sports Centre 38-Dykstra Bros Electric -Accident Appraisal Service
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	34-Ministry Of Culture Tourism & Recreation -Golfside Construction -Kinark Child And Family Services -Ministry Of Community & Social Services
Toronto Street (1-25)	25-Murdock's Wheel Alignment

Vespra Street (15-65)	-All Residential 65-Fire Dept. Business Office -Barrie Police Service
Victoria Street (1-80)	-All Residential 58-Eva's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1982	
Site Listing:	75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-C G E Service 100-Centennial Plymouth Chrysler -Klean Auto Leasing 110-Uniroyal Centres 118-Barrie Sea Foods & Rest 120-Byron-Graham Motors 9-Royal Lepage Real Estate

	11-Rosie's Boutique 25-Justin Motors 31-Barrie Tire 45-Bay City Motors 93-Acadia Rent A Car -Thrifty Rent A Car 97-Barrie U-Haul -Barrie Rent All 103-Dairy Queen 109-Ministry Of Health -Van Am Electronics 111-Tom's Auto Service 119-Toke Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 36-Simcoe Carpet & Cleaning Services -Sunrise Satellite Systems -Inner Window Save -Michael Enterprise -Long Contracting 38-Dykstra Bros Electric
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential

Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	25-Murdock's Wheel Alignment
Vespra Street (15-65)	-All Residential 18-Disc Jockey Unlimited -Hughes Battery Service 65-Fire Dept. Business Office -Barrie Police Service
Victoria Street (1-80)	-All Residential 58-Irene's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1974	
Site Listing:	55-Barrie Tanning Ltd. 75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential

	50-Prince Of Wales Public School 80-Can Genl Elect Co 82-Claude's Texaco Serv Centre 100-Centennial Plymouth Chrysler 110-Uniroyal Centres 112-Bay City Upholstery 118-Van Am Electronics 120-Byron-Graham Motors 25-Justin Motors 31-Harper Tire 45-Bay City Motors 93-M D F Auto Sales 97-Carruthers Rent All -Auto Glass 103-Dairy Queen 109-Barrie Seafood Rest 115-Tom's Auto Serv 119-Toke Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 38-Dykstra Bros Electric
Lakeshore Drive (1-65)	-Street Not Listed

Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential 18-Hughes Battery Service 65-City Fire Dept -Police Force -Prov Court Criminal Div
Victoria Street (1-80)	-All Residential 58-Connie's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1966	
Site Listing:	55-Barrie Tanning Ltd. 75-French Motors Ltd.
Adjacent Properties:	

Bradford Street (10-120)	-All Residential 80-Can Genl Elect Co 82-Stranaghan Motors 100-Jackson Mtrs Ltd. 110-Dominion Tire Stores 112-Bay City Upholstery 19-Don's Esso Serv Stn 25-Justin Motors 31-33-Beers Tire Service 45-Bay City Motors 91-Kay Bee Lunch Bar 97-Viau Motors -Barrie Equip Rentals -Northern Maintenance Co 103-Dairy Queen 109-Barrie Seafood Rest 115-Henry's Fina Serv Stn 119-Byron Graham Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential

Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential 65-City Fire Dept -Police Force -Magistrates Court
Victoria Street (1-80)	-All Residential 58-Robison's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1961	
Site Listing:	55-Barrie Tanning Ltd. 61-Res (1 Tenant) 75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 80-Can Genl Elect Co

	82-Stranaghan Motors 100-Park Motors 19-Brennan Serv Stn 25-Justin Motors 45-Bay City Motors 97-Kramer Motors 103-Dairy Queen 115-Fina Serv Stn 119-Stewart Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential
Victoria Street (1-80)	-All Residential 1-Barrie Fuel & Supply Co

	58-Robison's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1952	
Site Listing:	55-Barrie Tanning Ltd. 61-Res (1 Tenant) -Smith Dairy Farm 65-Res (1 Tenant)
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 80-Can Genl Elect Co 82-Stranaghan Motors 100-Hart's Garage 19-21-Little Serv Stn 25-Justin Motors 97-Semple Motor Sales
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential

Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential 31-Electrolux Ltd.
Victoria Street (1-80)	-All Residential **-Barrie Fuel & Supply Co

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory

Barrie, Ontario is listed from 1952 to 1998-99 within the city directory archives*

Appendix D
Property Title Records

Legal Description of lands owned by
GREENWIN BARRIE INC. and 2714708 ONTARIO INC.
each as to a 50% interest as tenants in common
relating to 51, 53, 55 & 75 Bradford Street and 20 Checkley Street, Barrie, Ontario
as at December 17, 2019

PART OF BROKEN LOT 25 CONCESSION 5 VESPRA, PART OF EAST PART LOT 24 CONCESSION 5 VESPRA, LOTS 115-121 INCLUSIVE, EAST SIDE OF BRADFORD STREET, ALL OF BOB STREET ON ROBERT ROSS UNREGISTERED PLAN, LOT 90 WEST SIDE OF HIGH STREET, PART OF LOT 65 EAST SIDE OF HIGH STREET & PART OF HIGH STREET REGISTERED PLAN 115, PART OF ELLEN STREET (CLOSED BY BY-LAW AS IN SC450705) REGISTERED PLAN 22, PARTS 1 TO 18 INCLUSIVE PL 51R37947; CITY OF BARRIE;

County of Simcoe,
Land Titles Division of Simcoe (No. 51),
being all of PIN 58795-0643(LT)

Consolidated PIN:
58795-0643 (LT);
20 Checkley Street

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #51 | 58795-0643 (LT) | PAGE 1 OF 2 | PREPARED FOR dkearns01 | ON 2019/12/17 AT 09:15:29

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

PROPERTY DESCRIPTION: PART OF BROKEN LOT 25 CONCESSION 5 VESPRA, PART OF EAST PART LOT 24 CONCESSION 5 VESPRA, LOTS 115-121 INCLUSIVE, EAST SIDE OF BRADFORD STREET, ALL OF BOB STREET ON ROBERT ROSS UNREGISTERED PLAN, LOT 90 WEST SIDE OF HIGH STREET, PART OF LOT 65 EAST SIDE OF HIGH STREET & PART OF HIGH STREET REGISTERED PLAN 115, PART OF ELLEN STREET (CLOSED BY BY-LAW AS IN SC450705) REGISTERED PLAN 22, PARTS 1 TO 18 INCLUSIVE 51R37947; CITY OF BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
CONSOLIDATION FROM 58795-0030, 58795-0031, 58795-0276, 58795-0555, 58795-0565, 58795-0597, 58795-0598

PIN CREATION DATE:
2019/12/16

OWNERS' NAMES	CAPACITY	SHARE
GREENWIN BARRIE INC.	TCOM	50%
2714708 ONTARIO INC.	TCOM	50%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
PL22	1854/03/29	PLAN SUBDIVISION				C
	CORRECTIONS: 'DATE OF REGN.' CHANGED FROM '1854/03/20' TO '1854/03/29' ON 2002/02/18 BY LINA LATELLA.					
51R14824	1986/09/12	PLAN REFERENCE				C
51R15429	1987/03/31	PLAN REFERENCE				C
51R24827	1994/07/27	PLAN REFERENCE				C
51R26109	1996/05/03	PLAN REFERENCE				C
51R28257	1998/12/10	PLAN REFERENCE				C
51R31256	2002/06/25	PLAN REFERENCE				C
51R31413	2002/09/06	PLAN REFERENCE				C

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
51R33255	2004/11/12	PLAN REFERENCE				C
SC450705	2006/06/26	BYLAW		THE CORPORATION OF THE CITY OF BARRIE		C
	REMARKS: BY-LAW # 2005-115 - TO PERMANENTLY CLOSE THE SOIL & FREEHOLD DESCRIBED AS THE UNOPENED PORTION OF ELLEN ST EXTENDING N OF VESPRA ST BEING PTS 1, 3 & 6 51R33255.					
51R36217	2008/07/16	PLAN REFERENCE				C
51R37738	2010/12/20	PLAN REFERENCE				C
51R37947	2011/05/30	PLAN REFERENCE				C
SC1622906	2019/09/10	TRANS POWER SALE	$14,900,000	ROMSPEN INVESTMENT CORPORATION	GREENWIN BARRIE INC. 2714708 ONTARIO INC.	C
	REMARKS: SC1490698. PLANNING ACT STATEMENTS.					
SC1622907	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	CALLOWAY FINANCIAL INC.	C
SC1622908	2019/09/10	CHARGE	$30,000,000	2714708 ONTARIO INC.	GREENWIN BARRIE INC.	C
SC1622909	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	2714708 ONTARIO INC.	C
SC1629235	2019/10/04	APL (GENERAL)		GREENWIN BARRIE INC. 2714708 ONTARIO INC.		C
	REMARKS: DELETE "S/T EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786" AND "T/W EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786" - MERGED					
SC1633771	2019/10/23	APL CONSOLIDATE		GREENWIN BARRIE INC. 2714708 ONTARIO INC.		C

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CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	**Searched at:**	Barrie
Address:	51 Bradford Street, Barrie	**LRO #:**	51
Legal Description:	lot 120 & Pt lots 119 & 121 e/s Bradford St Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 2, 51R14824		
PIN #:	58795-0030(LT)		

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	20 11 1833	Crown	David EDGAR
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6594	Deed	13 06 1900	Robert Ross - estate	The Barrie Tanning Company Limited
22645	Deed	08 07 1935	The Barrie Tanning Company Limited	The Barrie Tanning Co. Ltd.
22646	Deed	08 07 1935	The Barrie Tanning Co. Ltd.	Barrie Tanning Limited
880918	Deed	15 10 1985	Barrie Tanning Limited	629508 Ontario Ltd.
924412	Deed	25 10 1986	629508 Ontario Ltd.	Orval Frederick JACKSON & Joanne JACKSON
RO1078326	Mortgage	20 09 1989	Orval Frederick Jackson & Joanne Jackson	The Municipal Savings & Loan Corp. (Mortgagee)

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 51 Bradford Street, Barrie
Legal Description: lot 120 & Pt lots 119 & 121 e/s Bradford St Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 2, 51R14824
PIN #: 58795-0030(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
RO1266417	Deed	28 09 1994	The Municipal Savings & Loan Corp. (Orval & Joanne Jackson defaulted in Mtg #RO1078326)	816996 Ontario Limited
SC614961	Name Change	02 01 2008	816996 Ontario Limited	Maybelle Holdings Corp.
SC617870	Deed	15 01 2008	Maybelle Holdings Corp.	1662894 Ontario Inc.
SC983675	Deed	25 05 2012	1662894 Ontario Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	26 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al (Mortgagee)
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al	**Fortress Kempenfelt Bay Developments Inc.**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #51

58795-0030 (LT)

PREPARED FOR Bertuccil
ON 2017/03/16 AT 09:57:36

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

PROPERTY DESCRIPTION: LT 120 & PT LTS 119 & 121 E/S BRADFORD ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 2 51R14824; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0316

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/06/23 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
51R14824	1986/09/12	PLAN REFERENCE				C
RO1078326	1989/09/20	CHARGE		*** COMPLETELY DELETED ***	THE MUNICIPAL SAVINGS & LOAN CORP.	
RO1266417	1994/09/28	TRANS POWER SALE		*** COMPLETELY DELETED ***	816996 ONTARIO LIMITED	
RO1266418	1994/09/28	CHARGE		*** COMPLETELY DELETED ***	THE MUNICIPAL TRUST COMPANY	
RO1266419	1994/09/28	ASSIGNMENT GENERAL		*** COMPLETELY DELETED *** 816996 ONTARIO LIMITED	THE MUNICIPAL TRUST COMPANY	
REMARKS: RO1266418 - RENTS - ADDED 2001 09 14						

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
RO1338251	1997/02/27	TRANSFER OF CHARGE		*** DELETED AGAINST THIS PROPERTY ***	THE MUNICIPAL SAVINGS & LOAN CORP.	
	REMARKS: MULTI					
RO1338268	1997/02/27	TRANSFER OF CHARGE		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL BANK OF CANADA	
	REMARKS: MULTI					
RO1340437	1997/03/25	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: RENTS, MULTI					
RO1340438	1997/03/25	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: RENTS, MULTI					
LT516393	2001/10/17	DISCH OF CHARGE		*** COMPLETELY DELETED *** NATIONAL BANK OF CANADA		
	REMARKS: RE: RO1266418					
LT520195	2001/11/01	APL (GENERAL)		*** COMPLETELY DELETED *** 816996 ONTARIO INC.		
	REMARKS: RE:RO1266417					
SC614961	2008/01/02	APL CH NAME OWNER		*** COMPLETELY DELETED *** 816996 ONTARIO INC.	MAYBELLE HOLDINGS CORP.	
SC617870	2008/01/15	TRANSFER		*** COMPLETELY DELETED *** MAYBELLE HOLDINGS CORP.	1662894 ONTARIO INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC617883	2008/01/15	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC880282	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA	
SC880312	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
SC880526	2011/01/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.		
	REMARKS: SC617683.					
51R37947	2011/05/30	PLAN REFERENCE				C
SC959402	2012/01/25	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959426	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC880312.					
SC959566	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA		
	REMARKS: SC880282.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983680	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959402.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

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SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

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SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
	REMARKS: SC1366769.					
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC.	C

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					OYLMPIA TRUST COMPANY	

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PROPERTY DESCRIPTION: LT 120 & PT LTS 119 & 121 E/S BRADFORD ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 2 51R14824; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0316

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/06/23 ***						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
*** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES **						
*** AND ESCHEATS OR FORFEITURE TO THE CROWN.*						
*** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF*						
*** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY*						
*** CONVENTION.*						
*** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.*						
***DATE OF CONVERSION TO LAND TITLES: 2000/06/26 ***						
51R14824	1986/09/12	PLAN REFERENCE				C
RO1078326	1989/09/20	CHARGE		*** COMPLETELY DELETED ***	THE MUNICIPAL SAVINGS & LOAN CORP.	
RO1266417	1994/09/28	TRANS POWER SALE		*** COMPLETELY DELETED ***	816996 ONTARIO LIMITED	
RO1266418	1994/09/28	CHARGE		*** COMPLETELY DELETED ***	THE MUNICIPAL TRUST COMPANY	
RO1266419	1994/09/28	ASSIGNMENT GENERAL		*** COMPLETELY DELETED *** 816996 ONTARIO LIMITED	THE MUNICIPAL TRUST COMPANY	
REMARKS: RO1266418 - RENTS - ADDED 2001 09 14						

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
RO1338251	1997/02/27	TRANSFER OF CHARGE		*** DELETED AGAINST THIS PROPERTY ***	THE MUNICIPAL SAVINGS & LOAN CORP.	
	REMARKS: MULTI					
RO1338268	1997/02/27	TRANSFER OF CHARGE		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL BANK OF CANADA	
	REMARKS: MULTI					
RO1340437	1997/03/25	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: RENTS, MULTI					
RO1340438	1997/03/25	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: RENTS, MULTI					
LT516393	2001/10/17	DISCH OF CHARGE		*** COMPLETELY DELETED *** NATIONAL BANK OF CANADA		
	REMARKS: RE: RO1266418					
LT520195	2001/11/01	APL (GENERAL)		*** COMPLETELY DELETED *** 816996 ONTARIO INC.		
	REMARKS: RE:RO1266417					
SC614961	2008/01/02	APL CH NAME OWNER		*** COMPLETELY DELETED *** 816996 ONTARIO INC.	MAYBELLE HOLDINGS CORP.	
SC617870	2008/01/15	TRANSFER		*** COMPLETELY DELETED *** MAYBELLE HOLDINGS CORP.	1662894 ONTARIO INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC617883	2008/01/15	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC880282	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA	
SC880312	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
SC880526	2011/01/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.		
	REMARKS: SC617883.					
51R37947	2011/05/30	PLAN REFERENCE				C
SC959402	2012/01/25	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959426	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC880312.					
SC959566	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA		
	REMARKS: SC880282.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983680	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959402.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	 HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	 VECTOR FINANCIAL SERVICES LIMITED	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1366768	2016/11/30	NO ASSGN RENT GEN		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
	REMARKS: SC1366769.					

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C
SC1419528	2017/06/13	CHARGE	$1,449,500	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
SC1419529	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
REMARKS: SC1366769, SC1366961 TO SC1419528						
SC1419530	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
REMARKS: SC1374427 TO SC1419528						
SC1481867	2018/01/03	APL CH NAME INST		BUILDING & DEVELOPMENT MORTGAGES CANADA INC.	OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OYLMPIA TRUST COMPANY		
	REMARKS: SC1374427.					
SC1481888	2018/01/03	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	FORTRESS REAL DEVELOPMENTS INC.	
SC1490698	2018/02/09	CHARGE	$6,050,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
SC1490699	2018/02/09	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1490698.					
SC1490700	2018/02/09	POSTPONEMENT		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	ROMPSEN INVESTMENT CORPORATION	C
	REMARKS: SC1419528 TO SC1490698					
SC1490701	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1374427 TO SC1490698					
SC1490702	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1366769 TO SC1490698					
SC1490703	2018/02/09	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	
	REMARKS: SC1481888 TO SC1490698					
SC1490736	2018/02/09	DISCH OF CHARGE		*** COMPLETELY DELETED *** VECTOR FINANCIAL SERVICES LIMITED		
	REMARKS: SC1366767.					
SC1502987	2018/04/10	TRANSFER OF CHARGE		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON		
	REMARKS: SC1419528.					
SC1502988	2018/04/10	NOTICE	$2	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	1535386 ONTARIO INC. MAGNETIC CAPITAL GROUP INC.	C
	REMARKS: SC1502987					
SC1502992	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1366769, SC1366961 TO SC1502987					
SC1502993	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1374427 TO SC1502987					
SC1502994	2018/04/10	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	
	REMARKS: SC1481888 TO SC1502987					
SC1508056	2018/05/02	CHARGE	$3,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC.	C
SC1508221	2018/05/03	DISCH OF CHARGE		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.		
	REMARKS: SC1481888.					
SC1515221	2018/06/05	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					
SC1530765	2018/08/07	APL COURT ORDER		ONTARIO SUPERIOR COURT OF JUSTICE	FAAN MORTGAGE ADMINISTRATORS INC.	C
SC1530771	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1374427 TO SC1508056					
SC1530772	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC.	MAGNETIC CAPITAL GROUP INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC1366769 TO SC1508056			OLYMPIA TRUST COMPANY	CANADIAN WESTERN TRUST COMPANY	
SC1536166	2018/08/29	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					

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

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

PROPERTY DESCRIPTION: LT 120 & PT LTS 119 & 121 E/S BRADFORD ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 2 51R14824; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0316

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES	CAPACITY	SHARE
GREENWIN BARRIE INC.	TCOM	50%
2714708 ONTARIO INC.	TCOM	50%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) ***						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
*** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES **						
*** AND ESCHEATS OR FORFEITURE TO THE CROWN.*						
*** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF*						
*** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY*						
*** CONVENTION.*						
*** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.*						
***DATE OF CONVERSION TO LAND TITLES: 2000/06/26 ***						
51R14824	1986/09/12	PLAN REFERENCE				C
51R37738	2010/12/20	PLAN REFERENCE				C
51R37947	2011/05/30	PLAN REFERENCE				C
SC1622906	2019/09/10	TRANS POWER SALE	$14,900,000	ROMSPEN INVESTMENT CORPORATION	GREENWIN BARRIE INC. 2714708 ONTARIO INC.	C
REMARKS: SC1490698. PLANNING ACT STATEMENTS.						
SC1622907	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	CALLOWAY FINANCIAL INC.	C
SC1622908	2019/09/10	CHARGE	$30,000,000	2714708 ONTARIO INC.	GREENWIN BARRIE INC.	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1622909	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	2714708 ONTARIO INC.	C

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

ServiceOntario

PRINTED ON 16 MAR, 2017 AT 10:01:17
FOR CHAIN

SCALE

0 30 meters

PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	**Searched at:**	Barrie	
Address:	55 Bradford Street, Barrie	**LRO #:**	51	Page 1
Legal Description:	Pt lots 117-119 e/s Bradford St & Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 1, 51R36217			
PIN #:	58795-0031(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	20 11 1833	Crown	David EDGAR
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6667	Deed	19 10 1900	Robert Ross - estate	Mary A. ROSS
6732	Deed	16 01 1901	Mary A. Ross	Alfred MORRIS & Benjamin PARKER
7855	Deed	03 05 1904	Alfred Morris & Benjamin Parker	James CHEESMAN
10393	Deed	16 05 1908	James Cheesman	Henry JAMIESON
10394	Deed	16 05 1908	Henry Jamieson	Charles MICKLE & Simon DYMENT
21764	Deed	10 12 1931	Charles Mickle & Simon Dyment	Mickle Dyment & Son Limited

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	**Searched at:**	Barrie	
Address:	55 Bradford Street, Barrie	**LRO #:**	51	Page 2
Legal Description:	Pt lots 117-119 e/s Bradford St & Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 1, 51R36217			
PIN #:	58795-0031(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
21765	Deed	10 12 1931	Mickle Dyment & Son Limited	George CAMERON & Harry ELLIS c.o.b. as Cameron & Ellis
22720	Deed	23 10 1935	George Cameron & Harry Ellis c.o.b. as Cameron & Ellis	Barrie Tanning Limited
880918	Deed	15 10 1985	Barrie Tanning Limited	629508 Ontario Ltd.
923455	Deed	15 10 1986	629508 Ontario Ltd.	French Motors (Barrie) Ltd.
RO1329822	Deed	21 11 1996	French Motors (Barrie) Ltd.	796531 Ontario Limited
SC167692	Name Change	05 11 1996	796531 Ontario Limited	Rodann Investments Inc.
SC668395	Deed	31 07 2008	Rodann Investments Inc.	1662893 Ontario Inc.
SC983675	Deed	25 05 2012	1662893 Ontario Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	Searched at:	Barrie	
Address:	55 Bradford Street, Barrie	LRO #:	51	Page 3
Legal Description:	Pt lots 117-119 e/s Bradford St & Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 1, 51R36217			
PIN #:	58795-0031(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al
SC1366766	Deed **(Present Owner)**	30 11 2016	Wayne Safety Limited et al	**Fortress Kempenfelt Bay Developments Inc.**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #51

58795-0031 (LT)

PREPARED FOR Bertuccil
ON 2017/03/16 AT 09:58:05

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

PROPERTY DESCRIPTION: PT LTS 117-119 E/S BRADFORD ST & PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 1 51R36217; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0317

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/06/23 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
RO1329822	1996/11/21	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	796531 ONTARIO LIMITED	
REMARKS: RE: CHANGE OF NAME RO1472445 & RO1472330						
RO1329824	1996/11/21	CHARGE		*** COMPLETELY DELETED ***	THE TORONTO-DOMINION BANK	
SC167692	2003/11/05	APL CH NAME OWNER		*** DELETED AGAINST THIS PROPERTY *** 796531 ONTARIO LIMITED	RODANN INVESTMENTS INC.	
REMARKS: RO1329822						
SC653493	2008/06/09	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
REMARKS: RE: RO1329824						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
51R36217	2008/07/16	PLAN REFERENCE				C
SC668395	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.	1662893 ONTARIO INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC668407	2008/07/31	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	RODANN INVESTMENTS INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880314	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959403	2012/01/25	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					WOOLLCOTT, MARIA	
SC959428	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880314.					
SC959567	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.		
	REMARKS: SC668407.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983681	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959403.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				PAPE, GAIL		
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				PAPE, GAIL NOBLE, LISA		
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C

PROPERTY DESCRIPTION: PT LTS 117-119 E/S BRADFORD ST & PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 1 51R36217; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0317

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/06/23 ***						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
*** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES **						
*** AND ESCHEATS OR FORFEITURE TO THE CROWN.*						
*** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF*						
*** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY*						
*** CONVENTION.*						
*** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.*						
***DATE OF CONVERSION TO LAND TITLES: 2000/06/26 ***						
RO1329822	1996/11/21	TRANSFER		**** DELETED AGAINST THIS PROPERTY ****	796531 ONTARIO LIMITED	
	REMARKS: RE: CHANGE OF NAME RO1472445 & RO1472330					
RO1329824	1996/11/21	CHARGE		**** COMPLETELY DELETED ****	THE TORONTO-DOMINION BANK	
SC167692	2003/11/05	APL CH NAME OWNER		**** DELETED AGAINST THIS PROPERTY **** 796531 ONTARIO LIMITED	RODANN INVESTMENTS INC.	
	REMARKS: RO1329822					
SC653493	2008/06/09	DISCH OF CHARGE		**** COMPLETELY DELETED **** THE TORONTO-DOMINION BANK		
	REMARKS: RE: RO1329824					

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
51R36217	2008/07/16	PLAN REFERENCE				C
SC668395	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.	1662893 ONTARIO INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC668407	2008/07/31	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	RODANN INVESTMENTS INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880314	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959403	2012/01/25	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					WOOLLCOTT, MARIA	
SC959428	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880314.					
SC959567	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.		
	REMARKS: SC668407.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK	
SC983681	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959403.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	 SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	 SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	 SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	 HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				PAPE, GAIL		
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE		*** COMPLETELY DELETED ***		
				FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	
SC1366768	2016/11/30	NO ASSGN RENT GEN		*** COMPLETELY DELETED ***		
				FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA		
	REMARKS: SC1366769.					
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C
SC1419528	2017/06/13	CHARGE	$1,449,500	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
SC1419529	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
	REMARKS: SC1366769, SC1366961 TO SC1419528					
SC1419530	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					SIMONE, VINCENZO DADOUN, LEON	
	REMARKS: SC1374427 TO SC1419528					
SC1481867	2018/01/03	APL CH NAME INST		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	C
	REMARKS: SC1374427.					
SC1481888	2018/01/03	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	FORTRESS REAL DEVELOPMENTS INC.	
SC1490698	2018/02/09	CHARGE	$6,050,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
SC1490699	2018/02/09	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1490698.					
SC1490700	2018/02/09	POSTPONEMENT		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	ROMPSEN INVESTMENT CORPORATION	C
	REMARKS: SC1419528 TO SC1490698					
SC1490701	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1374427 TO SC1490698					
SC1490702	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1366769 TO SC1490698					
SC1490703	2018/02/09	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	
	REMARKS: SC1481888 TO SC1490698					
SC1490736	2018/02/09	DISCH OF CHARGE		*** COMPLETELY DELETED *** VECTOR FINANCIAL SERVICES LIMITED		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: SC1366767.						
SC1502987	2018/04/10	TRANSFER OF CHARGE		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
REMARKS: SC1419528.						
SC1502988	2018/04/10	NOTICE	$2	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	1535386 ONTARIO INC. MAGNETIC CAPITAL GROUP INC.	C
REMARKS: SC1502987						
SC1502992	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
REMARKS: SC1366769, SC1366961 TO SC1502987						
SC1502993	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
REMARKS: SC1374427 TO SC1502987						
SC1502994	2018/04/10	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	
REMARKS: SC1481888 TO SC1502987						
SC1508056	2018/05/02	CHARGE	$3,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC.	C
SC1508221	2018/05/03	DISCH OF CHARGE		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.		
REMARKS: SC1481888.						
SC1515221	2018/06/05	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
REMARKS: SC1508056.						
SC1530765	2018/08/07	APL COURT ORDER		ONTARIO SUPERIOR COURT OF JUSTICE	FAAN MORTGAGE ADMINISTRATORS INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1530771	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1374427 TO SC1508056					
SC1530772	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1366769 TO SC1508056					
SC1536166	2018/08/29	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LTS 117-119 E/S BRADFORD ST & PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 1 51R36217; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0317

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES	CAPACITY	SHARE
GREENWIN BARRIE INC.	TCOM	50%
2714708 ONTARIO INC.	TCOM	50%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) ***						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
*** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES **						
*** AND ESCHEATS OR FORFEITURE TO THE CROWN.*						
*** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF*						
*** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY*						
*** CONVENTION.*						
*** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.*						
***DATE OF CONVERSION TO LAND TITLES: 2000/06/26 ***						
51R36217	2008/07/16	PLAN REFERENCE				C
51R37738	2010/12/20	PLAN REFERENCE				C
51R37947	2011/05/30	PLAN REFERENCE				C
SC1622906	2019/09/10	TRANS POWER SALE	$14,900,000	ROMSPEN INVESTMENT CORPORATION	GREENWIN BARRIE INC. 2714708 ONTARIO INC.	C
REMARKS: SC1490698. PLANNING ACT STATEMENTS.						
SC1622907	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	CALLOWAY FINANCIAL INC.	C
SC1622908	2019/09/10	CHARGE	$30,000,000	2714708 ONTARIO INC.	GREENWIN BARRIE INC.	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1622909	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	2714708 ONTARIO INC.	C

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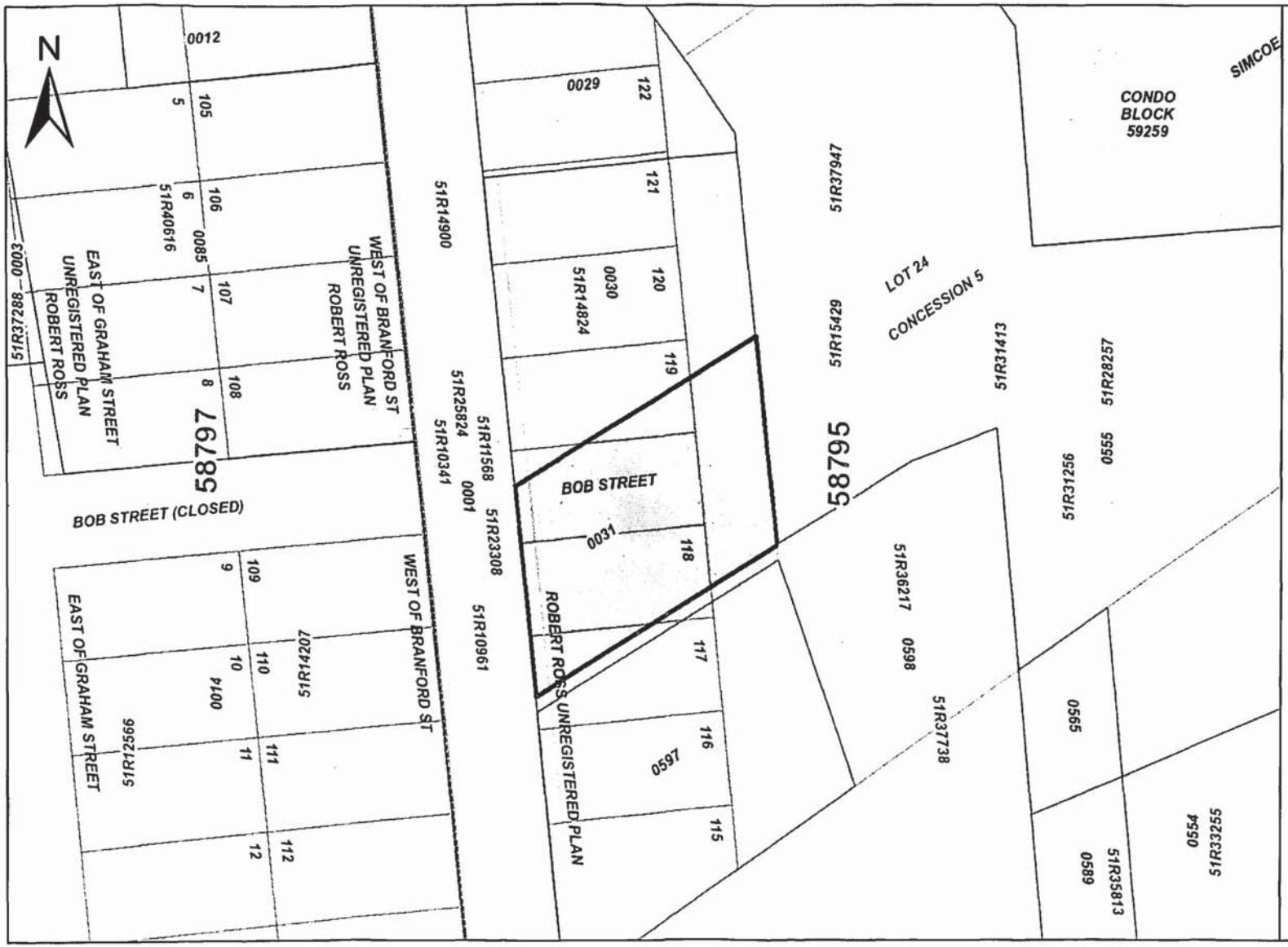

ServiceOntario

PRINTED ON 16 MAR, 2017 AT 10:01:48
FOR CHAIN

SCALE

0 30 meters

PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: lot 90 w/s High St; Pt lot 65 e/s High St Plan 115; Pt lots 24 & 25 Con 5

Searched at: Barrie
LRO #: 51

PIN #: 58795-0555(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	12 01 1872	Crown	Trinity College
65896	Deed	07 03 1872	Trinity College	William ARDAGH
69692	Deed	14 12 1872	William Ardagh	James R. BURTON
12193	Deed	30 04 1912	James R. Burton - estate	The Barrie Tanning Company Ltd.
22646	Deed	08 07 1935	The Barrie Tanning Company Ltd.	Barrie Tanning Ltd.
880918	Deed	15 10 1985	Barrie Tanning Ltd.	629528 Ontario Ltd.
999651	Deed	02 05 1988	629528 Ontario Ltd.	Lorne Investments (Sudbury) Ltd.
RO1037934	Deed	16 12 1988	Lorne Investments (Sudbury) Ltd	629528 Ontario Ltd.
SC617869	Deed	15 01 2008	629528 Ontario Ltd.	Blue Simcoe Developments Inc.

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: lot 90 w/s High St; Pt lot 65 e/s High St Plan 115; Pt lots 24 & 25 Con 5

Searched at: Barrie
LRO #: 51

PIN #: 58795-0555(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983675	Deed	25 05 2012	Blue Simcoe Developments Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al (Harmony Village-Lake Simcoe Inc defaulted in SC983676)	**Fortress Kempenfelt Bay Developments Inc.**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #51

58795-0555 (LT)

PREPARED FOR Bertuccil
ON 2017/03/16 AT 09:55:18

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

PROPERTY DESCRIPTION: LT 90 W/S HIGH ST PL 115 BARRIE, PT LT 65 E/S HIGH ST PL 115 BARRIE, PT HIGH ST PL 115 BARRIE, PT E PT LT 24 CON 5 VESPRA, PT BROKEN LT 25 CON 5 VESPRA PT 4 51R28257 EXCEPT PTS 1 & 2 51R32954 AND EXCEPT PTS 2 & 5 51R33255; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 58795-0279

PIN CREATION DATE:
2005/07/29

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2005/07/29 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *					
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
51R15429	1987/03/31	PLAN REFERENCE				C
RO1165727	1991/10/09	ORDER VESTING ORDER		*** DELETED AGAINST THIS PROPERTY ***	804485 ONTARIO LIMITED	
	REMARKS: DELETED 2012 04 18 - S. MCMASTER REP FOR LR (BASED ON SC617869)					
51R28257	1998/12/10	PLAN REFERENCE				C
51R31256	2002/06/25	PLAN REFERENCE				C
51R31413	2002/09/06	PLAN REFERENCE				C
SC617869	2008/01/15	TRANSFER		*** COMPLETELY DELETED *** 804485 ONTARIO INC.	BLUE SIMCOE DEVELOPMENTS INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC617882	2008/01/15	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	A.S.V. ENTERPRISES CORP.	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					ALFJOE ENTERPRISES INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC878562	2011/01/18	NOTICE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS CORP.	A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.	
	REMARKS: - SC617882					
SC880281	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA	
SC880311	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
SC880525	2011/01/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.		
	REMARKS: SC617882.					
51R37947	2011/05/30	PLAN REFERENCE				C
SC959401	2012/01/25	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959425	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880311.					
SC959565	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA		
	REMARKS: SC880281.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983679	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959401.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC.	
					CITY CORE DEVELOPMENTS INC.	
					OLYMPIA TRUST COMPANY	
					SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL		
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA		
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C

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NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

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

PROPERTY DESCRIPTION: LT 90 W/S HIGH ST PL 115 BARRIE, PT LT 65 E/S HIGH ST PL 115 BARRIE, PT HIGH ST PL 115 BARRIE, PT E PT LT 24 CON 5 VESPRA, PT BROKEN LT 25 CON 5 VESPRA PT 4 51R28257 EXCEPT PTS 1 & 2 51R32954 AND EXCEPT PTS 2 & 5 51R33255; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 58795-0279

PIN CREATION DATE:
2005/07/29

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2005/07/29 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
51R15429	1987/03/31	PLAN REFERENCE				C
RO1165727	1991/10/09	ORDER		*** DELETED AGAINST THIS PROPERTY ***	804485 ONTARIO LIMITED	
REMARKS: DELETED 2012 04 18 - S. MCMASTER REP FOR LR (BASED ON SC617869)						
51R28257	1998/12/10	PLAN REFERENCE				C
51R31256	2002/06/25	PLAN REFERENCE				C
51R31413	2002/09/06	PLAN REFERENCE				C
SC617869	2008/01/15	TRANSFER		*** COMPLETELY DELETED *** 804485 ONTARIO INC.	BLUE SIMCOE DEVELOPMENTS INC.	
REMARKS: PLANNING ACT STATEMENTS						
SC617882	2008/01/15	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	A.S.V. ENTERPRISES CORP.	

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					ALFJOE ENTERPRISES INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC878562	2011/01/18	NOTICE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS CORP.	A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.	
	REMARKS: - SC617882					
SC880281	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA	
SC880311	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
SC880525	2011/01/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.		
	REMARKS: SC617882.					
51R37947	2011/05/30	PLAN REFERENCE				C
SC959401	2012/01/25	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959425	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880311.					
SC959565	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA		
	REMARKS: SC880281.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK	
SC983679	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959401.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	 SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	 SORRENTI, DEREK OLYMPIA TRUST	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC.	
					CITY CORE DEVELOPMENTS INC.	
					OLYMPIA TRUST COMPANY	
					SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL		
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	
SC1366768	2016/11/30	NO ASSGN RENT GEN		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA		
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C
SC1419528	2017/06/13	CHARGE	$1,449,500	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
SC1419529	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
REMARKS: SC1366769, SC1366961 TO SC1419528						
SC1419530	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC.	BAILEY, JANE	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OYLMPIA TRUST COMPANY	FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	
	REMARKS: SC1374427 TO SC1419528					
SC1481867	2018/01/03	APL CH NAME INST		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	C
	REMARKS: SC1374427.					
SC1481888	2018/01/03	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	FORTRESS REAL DEVELOPMENTS INC.	
SC1490698	2018/02/09	CHARGE	$6,050,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
SC1490699	2018/02/09	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1490698.					
SC1490700	2018/02/09	POSTPONEMENT		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	ROMPSEN INVESTMENT CORPORATION	C
	REMARKS: SC1419528 TO SC1490698					
SC1490701	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1374427 TO SC1490698					
SC1490702	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC1366769 TO SC1490698					
SC1490703	2018/02/09	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	
	REMARKS: SC1481888 TO SC1490698					
SC1490736	2018/02/09	DISCH OF CHARGE		*** COMPLETELY DELETED *** VECTOR FINANCIAL SERVICES LIMITED		
	REMARKS: SC1366767.					
SC1502987	2018/04/10	TRANSFER OF CHARGE		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1419528.					
SC1502988	2018/04/10	NOTICE	$2	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	1535386 ONTARIO INC. MAGNETIC CAPITAL GROUP INC.	C
	REMARKS: SC1502987					
SC1502992	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1366769, SC1366961 TO SC1502987					
SC1502993	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1374427 TO SC1502987					
SC1502994	2018/04/10	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	
	REMARKS: SC1481888 TO SC1502987					
SC1508056	2018/05/02	CHARGE	$3,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC.	C
SC1508221	2018/05/03	DISCH OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				FORTRESS REAL DEVELOPMENTS INC.		
	REMARKS: SC1481888.					
SC1515221	2018/06/05	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					
SC1530765	2018/08/07	APL COURT ORDER		ONTARIO SUPERIOR COURT OF JUSTICE	FAAN MORTGAGE ADMINISTRATORS INC.	C
SC1530771	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1374427 TO SC1508056					
SC1530772	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1366769 TO SC1508056					
SC1536166	2018/08/29	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					

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

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

PROPERTY DESCRIPTION: LT 90 W/S HIGH ST PL 115 BARRIE, PT LT 65 E/S HIGH ST PL 115 BARRIE, PT HIGH ST PL 115 BARRIE, PT E PT LT 24 CON 5 VESPRA, PT BROKEN LT 25 CON 5 VESPRA PT 4 51R28257 EXCEPT PTS 1 & 2 51R32954 AND EXCEPT PTS 2 & 5 51R33255; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 58795-0279

PIN CREATION DATE:
2005/07/29

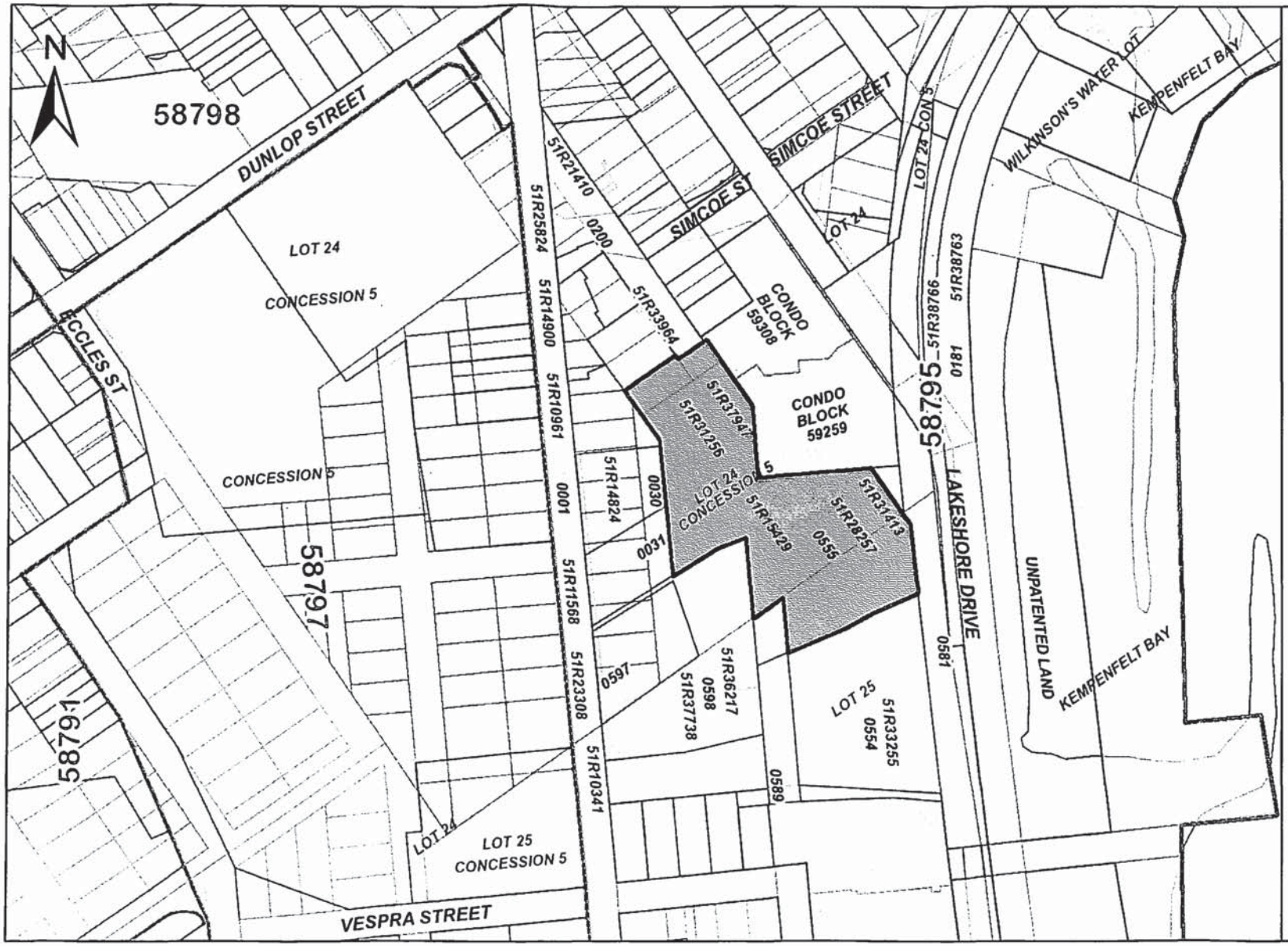
OWNERS' NAMES	CAPACITY	SHARE
GREENWIN BARRIE INC.	TCOM	50%
2714708 ONTARIO INC.	TCOM	50%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
51R15429	1987/03/31	PLAN REFERENCE				C
51R28257	1998/12/10	PLAN REFERENCE				C
51R31256	2002/06/25	PLAN REFERENCE				C
51R31413	2002/09/06	PLAN REFERENCE				C
51R37947	2011/05/30	PLAN REFERENCE				C
SC1622906	2019/09/10	TRANS POWER SALE	$14,900,000	ROMSPEN INVESTMENT CORPORATION	GREENWIN BARRIE INC. 2714708 ONTARIO INC.	C
REMARKS: SC1490698. PLANNING ACT STATEMENTS.						
SC1622907	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	CALLOWAY FINANCIAL INC.	C
SC1622908	2019/09/10	CHARGE	$30,000,000	2714708 ONTARIO INC.	GREENWIN BARRIE INC.	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1622909	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	2714708 ONTARIO INC.	C

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



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SCALE

0 30 60 90 120 meters

PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lot 24 Con 5 Innisfil & lots 115,116 & Pt lot 117 Robert Ross Plan desig. As Part 3, 51R36217
PIN #: 58795-0597(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	20 11 1833	Crown	David EDGAR
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6594	Deed (Pt lot 24 Con 5)	13 06 1900	Robert Ross - estate	The Barrie Tanning Company Limited
6667	Deed (lots 115-117 Robert Ross Pl)	19 10 1900	Robert Ross - estate	Mary ROSS
6732	Deed	16 01 1901	Mary Ross	Alfred MORREN & Benjamin PARKER
7855	Deed	03 05 1904	Alfred Morren & Benjamin Parker	James CHEESMAN
10393	Deed	16 05 1908	James Cheesman	Henry JAMIESON
10394	Deed	16 05 1908	Henry Jamieson	Charles MICKLE & Simon DYMENT

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	**Searched at:**	Barrie	
Address:	75 Bradford Street, Barrie	**LRO #:**	51	Page 2
Legal Description:	Pt lot 24 Con 5 Innisfil & lots 115,116 & Pt lot 117 Robert Ross Plan desig. As Part 3, 51R36217			
PIN #:	58795-0597(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
21764	Deed	10 12 1931	Charles Mickle & Simon Dyment	Mickle Dyment & Son Limited
21765	Deed	10 12 1931	Mickle Dyment & Son Limited	George CAMERON & Harry ELLIS c.o.b. as Cameron & Ellis
22645	Deed	08 07 1935	The Barrie Tanning Company Ltd.	The Barrie Tanning Co. Ltd.
22646	Deed (Pt lot 24 Con 5)	08 07 1935	The Barrie Tanning Co. Ltd.	Barrie Tanning Limited
22720	Deed (lots 115-117 Robert Ross Pl)	23 10 1935	George Cameron & Harry Ellis	Barrie Tanning Limited
880918	Deed	15 10 1985	Barrie Tanning Limited	629508 Ontario Ltd.
923455	Deed	15 10 1986	629508 Ontario Ltd.	French Motors (Barrie) Ltd.
RO1329822	Deed	21 11 1996	French Motors (Barrie) Ltd.	796531 Ontario Ltd., in trust
SC668394	Deed	31 07 2008	Rodann Investments Inc. (formerly 796531 Ontario Ltd.)	Blue Simcoe Developments Inc.

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	**Searched at:**	Barrie	
Address:	75 Bradford Street, Barrie	**LRO #:**	51	Page 3
Legal Description:	Pt lot 24 Con 5 Innisfil & lots 115,116 & Pt lot 117 Robert Ross Plan desig. As Part 3, 51R36217			
PIN #:	58795-0597(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983675	Deed	25 05 2012	Blue Simcoe Developments Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Wayne Safety Limited et al (Mortgagee)
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al (Harmony Village-Lake Simcoe Inc defaulted in SC983676)	**Fortress Kempenfelt Bay Developments Inc.**

PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 INNISFIL & LTS 115, 116 & PT LT 117 ON ROBERT ROSS UNREGISTERED PLAN, VESPRA BEING PT 3 PL 51R36217, T/W EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0144

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/07/28 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *					
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
RO1329822	1996/11/21	TRANSFER✓		*** DELETED AGAINST THIS PROPERTY ***	796531 ONTARIO LIMITED	
	REMARKS: RE: CHANGE OF NAME RO1472445 & RO1472330					
51R36217	2008/07/16	PLAN REFERENCE				C
SC668394	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.	BLUE SIMCOE DEVELOPMENTS INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC668406	2008/07/31	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	RODANN INVESTMENTS INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880311	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959401	2012/01/25	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959425	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880311.					
SC959569	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.		
	REMARKS: SC668406.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983679	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959401.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	 SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	 SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C

PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 INNISFIL & LTS 115, 116 & PT LT 117 ON ROBERT ROSS UNREGISTERED PLAN, VESPRA BEING PT 3 PL 51R36217, T/W EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0144

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/07/28 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
RO1329822	1996/11/21	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	796531 ONTARIO LIMITED	
	REMARKS: RE: CHANGE OF NAME RO1472445 & RO1472330					
51R36217	2008/07/16	PLAN REFERENCE				C
SC668394	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.	BLUE SIMCOE DEVELOPMENTS INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC668406	2008/07/31	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	RODANN INVESTMENTS INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880311	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959401	2012/01/25	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959425	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880311.					
SC959569	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.		
	REMARKS: SC668406.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	 WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK	
SC983679	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959401.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	 SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	 SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	 VECTOR FINANCIAL SERVICES LIMITED	
SC1366768	2016/11/30	NO ASSGN RENT GEN		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	 VECTOR FINANCIAL SERVICES LIMITED	
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C
SC1419528	2017/06/13	CHARGE	$1,449,500	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	
SC1419529	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
	REMARKS: SC1366769, SC1366961 TO SC1419528					
SC1419530	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
	REMARKS: SC1374427 TO SC1419528					
SC1481867	2018/01/03	APL CH NAME INST		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	C
	REMARKS: SC1374427.					
SC1481888	2018/01/03	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	FORTRESS REAL DEVELOPMENTS INC.	
SC1490698	2018/02/09	CHARGE	$6,050,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
SC1490699	2018/02/09	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC1490698.					
SC1490700	2018/02/09	POSTPONEMENT		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	ROMPSEN INVESTMENT CORPORATION	C
	REMARKS: SC1419528 TO SC1490698					
SC1490701	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1374427 TO SC1490698					
SC1490702	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1366769 TO SC1490698					
SC1490703	2018/02/09	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	
	REMARKS: SC1481888 TO SC1490698					
SC1490736	2018/02/09	DISCH OF CHARGE		*** COMPLETELY DELETED *** VECTOR FINANCIAL SERVICES LIMITED		
	REMARKS: SC1366767.					
SC1502987	2018/04/10	TRANSFER OF CHARGE		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1419528.					

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1502988	2018/04/10	NOTICE	$2	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	1535386 ONTARIO INC. MAGNETIC CAPITAL GROUP INC.	C
	REMARKS: SC1502987					
SC1502992	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1366769, SC1366961 TO SC1502987					
SC1502993	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1374427 TO SC1502987					
SC1502994	2018/04/10	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	
	REMARKS: SC1481888 TO SC1502987					
SC1508056	2018/05/02	CHARGE	$3,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC.	C
SC1508221	2018/05/03	DISCH OF CHARGE		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.		
	REMARKS: SC1481888.					
SC1515221	2018/06/05	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					
SC1530765	2018/08/07	APL COURT ORDER		ONTARIO SUPERIOR COURT OF JUSTICE	FAAN MORTGAGE ADMINISTRATORS INC.	C
SC1530771	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1374427 TO SC1508056					
SC1530772	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1366769 TO SC1508056					
SC1536166	2018/08/29	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					

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

PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 INNISFIL & LTS 115, 116 & PT LT 117 ON ROBERT ROSS UNREGISTERED PLAN, VESPRA BEING PT 3 PL 51R36217; CITY OF BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0144

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES	CAPACITY	SHARE
GREENWIN BARRIE INC.	TCOM	50%
2714708 ONTARIO INC.	TCOM	50%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
51R36217	2008/07/16	PLAN REFERENCE				C
51R37738	2010/12/20	PLAN REFERENCE				C
51R37947	2011/05/30	PLAN REFERENCE				C
SC1622906	2019/09/10	TRANS POWER SALE	$14,900,000	ROMSPEN INVESTMENT CORPORATION	GREENWIN BARRIE INC. 2714708 ONTARIO INC.	C
REMARKS: SC1490698. PLANNING ACT STATEMENTS.						
SC1622907	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	CALLOWAY FINANCIAL INC.	C
SC1622908	2019/09/10	CHARGE	$30,000,000	2714708 ONTARIO INC.	GREENWIN BARRIE INC.	C
SC1622909	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	2714708 ONTARIO INC.	C
SC1629235	2019/10/04	APL (GENERAL)		GREENWIN BARRIE INC. 2714708 ONTARIO INC.		C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: DELETE "S/T EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786" AND "T/W EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786" - MERGED						
SC1633771	2019/10/23	APL CONSOLIDATE		GREENWIN BARRIE INC. 2714708 ONTARIO INC.		

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

ServiceOntario

PRINTED ON 16 MAR, 2017 AT 10:02:23
FOR CHAIN

SCALE
0 30 meters

PROPERTY INDEX MAP
SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lots 24 & 25 Con 5 Innisfil & Pt lot 117 & 118 Robert Ross Plan desig. As Parts 2, 4 & 5, 51R36217
PIN #: 58795-0598(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (lot 25, Con 5)	31 05 1821	Crown	James CHEWETT
	Patent (lot 24, Con 5)	20 11 1833	Crown	David EDGAR
527	Deed	06 12 1832	James Chewett	Robert ROSS
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6667	Deed	19 10 1900	Robert Ross - estate	Mary ROSS
6732	Deed	16 01 1901	Mary Ross	Alfred MORREN & Benjamin PARKER
7855	Deed	03 05 1904	Alfred Morren & Benjamin Parker	James CHEESMAN
10393	Deed	16 05 1908	James Cheesman	Henry JAMIESON

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lots 24 & 25 Con 5 Innisfil & Pt lot 117 & 118 Robert Ross Plan desig. As Parts 2, 4 & 5, 51R36217
PIN #: 58795-0598(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
10394	Deed	16 05 1908	Henry Jamieson	Charles MICKLE & Simon DYMENT
21764	Deed	10 12 1931	Charles Mickle & Simon Dyment	Mickle Dyment & Son Limited
21765	Deed	10 12 1931	Mickle Dyment & Son Limited	George CAMERON & Harry ELLIS
31198	Deed	06 01 1948	George Cameron & Harry Ellis	Cameron, Ellis, Gibson Limited
35948	Deed	09 04 1952	Cameron, Ellis, Gibson Limited	Charles Philip John FRENCH
RO1297070	Easement (over Pt 5, 51R36217)	25 10 1995	Charles P.J. French	The Consumers Gas Company Ltd
RO1329823	Deed	21 11 1996	Charles P.J. French - estate	Howard Roederick MCKAY Valerie Ann MCKAY
SC668396	Deed	31 07 2008	Howard & Valerie McKay	Perfect Northern Developments Corporation
SC983675	Deed	25 05 2012	Perfect Northern Developments Limited	Harmony Village-Lake Simcoe Inc.

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	Searched at:	Barrie	
Address:	75 Bradford Street, Barrie	LRO #:	51	Page 3
Legal Description:	Pt lots 24 & 25 Con 5 Innisfil & Pt lot 117 & 118 Robert Ross Plan desig. As Parts 2, 4 & 5, 51R36217			
PIN #:	58795-0598(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al	**Fortress Kempenfelt Bay Developments Inc.**

PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 & PT BROKEN LT 25 CON 5 INNISFIL & PT LT 117 & 118 ROBERT ROSS UNREGISTERED PLAN VESPRA BEING PTS 2, 4 & 5 PL 51R36217, S/T EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786, S/T EASEMENT OVER PT 5 PL 51R36217 AS IN RO1297070; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0143

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/07/28 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO						
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *					
**	AND ESCHEATS OR FORFEITURE TO THE CROWN.					
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF					
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY					
**	CONVENTION.					
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.					
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
RO1297070	1995/10/25	TRANSFER EASEMENT			THE CONSUMERS' GAS COMPANY LTD.	C
RO1329823	1996/11/21	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	MCKAY, HOWARD RODERICK MCKAY, VALERIE ANN	
51R36217	2008/07/16	PLAN REFERENCE				C
SC668396	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** MCKAY, HOWARD RODERICK MCKAY, VALERIE ANN	PERFECT NORTHERN DEVELOPMENTS CORPORATION	
	REMARKS: PLANNING ACT STATEMENTS					
SC668408	2008/07/31	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	MCKAY, HOWARD REDERICK MCKAY, VALERIE ANN	
SC867999	2010/11/25	LR'S ORDER		*** COMPLETELY DELETED ***		

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				LAND REGISTRAR, LRO# 51		
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880313	2011/01/27	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959404	2012/01/25	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959427	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC880313.					
SC959568	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** MCKAY, HOWARD REDERICK MCKAY, VALERIE ANN		
	REMARKS: SC668408.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC983692	2012/05/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959404.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
	REMARKS: SC1366769.					
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C

PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 & PT BROKEN LT 25 CON 5 INNISFIL & PT LT 117 & 118 ROBERT ROSS UNREGISTERED PLAN VESPRA BEING PTS 2, 4 & 5 PL 51R36217, S/T EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786; CITY OF BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0143

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/07/28 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
RO1297070	1995/10/25	TRANSFER EASEMENT		*** DELETED AGAINST THIS PROPERTY ***	THE CONSUMERS' GAS COMPANY LTD.	
RO1329823	1996/11/21	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	MCKAY, HOWARD RODERICK MCKAY, VALERIE ANN	
51R36217	2008/07/16	PLAN REFERENCE				C
SC668396	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** MCKAY, HOWARD RODERICK MCKAY, VALERIE ANN	PERFECT NORTHERN DEVELOPMENTS CORPORATION	
REMARKS: PLANNING ACT STATEMENTS						
SC668408	2008/07/31	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	MCKAY, HOWARD REDERICK MCKAY, VALERIE ANN	

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC867999	2010/11/25	LR'S ORDER		*** COMPLETELY DELETED *** LAND REGISTRAR, LRO# 51		
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
REMARKS: SC868100.						
SC880313	2011/01/27	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959404	2012/01/25	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959427	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				PANTOFARU, MIRCEA		
	REMARKS: SC880313.					
SC959568	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** MCKAY, HOWARD REDERICK MCKAY, VALERIE ANN		
	REMARKS: SC668408.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983692	2012/05/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959404.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	 HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	 VECTOR FINANCIAL SERVICES LIMITED	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1366768	2016/11/30	NO ASSGN RENT GEN		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
	REMARKS: SC1366769.					

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C
SC1419528	2017/06/13	CHARGE	$1,449,500	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
SC1419529	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
REMARKS: SC1366769, SC1366961 TO SC1419528						
SC1419530	2017/06/13	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	C
REMARKS: SC1374427 TO SC1419528						
SC1481867	2018/01/03	APL CH NAME INST		BUILDING & DEVELOPMENT MORTGAGES CANADA INC.	OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OYLMPIA TRUST COMPANY		
	REMARKS: SC1374427.					
SC1481888	2018/01/03	CHARGE		*** COMPLETELY DELETED *** FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	FORTRESS REAL DEVELOPMENTS INC.	
SC1490698	2018/02/09	CHARGE	$6,050,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
SC1490699	2018/02/09	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1490698.					
SC1490700	2018/02/09	POSTPONEMENT		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON	ROMPSEN INVESTMENT CORPORATION	C
	REMARKS: SC1419528 TO SC1490698					
SC1490701	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1374427 TO SC1490698					
SC1490702	2018/02/09	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	ROMSPEN INVESTMENT CORPORATION	C
	REMARKS: SC1366769 TO SC1490698					
SC1490703	2018/02/09	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	ROMSPEN INVESTMENT CORPORATION	
	REMARKS: SC1481888 TO SC1490698					
SC1490736	2018/02/09	DISCH OF CHARGE		*** COMPLETELY DELETED *** VECTOR FINANCIAL SERVICES LIMITED		
	REMARKS: SC1366767.					
SC1502987	2018/04/10	TRANSFER OF CHARGE		BAILEY, JANE FERRAGINE, PIETRO FERRAGINE, AMANDA	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				ARLIN, RUTH BRYANT, ROBERT WANG, SHEN SHEN FERRAGINE, COLLEEN ROBYN AFANASEV, MARINA DE CICCIO, JACKLYN MARIE SIMONE, VINCENZO DADOUN, LEON		
	REMARKS: SC1419528.					
SC1502988	2018/04/10	NOTICE	$2	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	1535386 ONTARIO INC. MAGNETIC CAPITAL GROUP INC.	C
	REMARKS: SC1502987					
SC1502992	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1366769, SC1366961 TO SC1502987					
SC1502993	2018/04/10	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	C
	REMARKS: SC1374427 TO SC1502987					
SC1502994	2018/04/10	POSTPONEMENT		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC. 1535386 ONTARIO INC.	
	REMARKS: SC1481888 TO SC1502987					
SC1508056	2018/05/02	CHARGE	$3,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	MAGNETIC CAPITAL GROUP INC.	C
SC1508221	2018/05/03	DISCH OF CHARGE		*** COMPLETELY DELETED *** FORTRESS REAL DEVELOPMENTS INC.		
	REMARKS: SC1481888.					
SC1515221	2018/06/05	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					
SC1530765	2018/08/07	APL COURT ORDER		ONTARIO SUPERIOR COURT OF JUSTICE	FAAN MORTGAGE ADMINISTRATORS INC.	C
SC1530771	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	MAGNETIC CAPITAL GROUP INC. CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1374427 TO SC1508056					
SC1530772	2018/08/07	POSTPONEMENT		BUILDING & DEVELOPMENT MORTGAGES CANADA INC.	MAGNETIC CAPITAL GROUP INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	CANADIAN WESTERN TRUST COMPANY	
	REMARKS: SC1366769 TO SC1508056					
SC1536166	2018/08/29	TRANSFER OF CHARGE		MAGNETIC CAPITAL GROUP INC.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: SC1508056.					
SC1580006	2019/03/08	LR'S ORDER		*** COMPLETELY DELETED *** LAND REGISTRAR, SIMCOE LAND REGISTRY OFFICE		
	REMARKS: DELETING DOCUMENT RO1297070					
SC1617652	2019/08/20	LR'S ORDER		*** COMPLETELY DELETED *** LAND REGISTRAR, SIMCOE LAND REGISTRY OFFICE		
	REMARKS: DELETES S/T RO1297070					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 & PT BROKEN LT 25 CON 5 INNISFIL & PT LT 117 & 118 ROBERT ROSS UNREGISTERED PLAN VESPRA BEING PTS 2, 4 & 5 PL 51R36217; CITY OF BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0143

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES	CAPACITY	SHARE
GREENWIN BARRIE INC.	TCOM	50%
2714708 ONTARIO INC.	TCOM	50%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
51R36217	2008/07/16	PLAN REFERENCE				C
51R37738	2010/12/20	PLAN REFERENCE				C
51R37947	2011/05/30	PLAN REFERENCE				C
SC1622906	2019/09/10	TRANS POWER SALE	$14,900,000	ROMSPEN INVESTMENT CORPORATION	GREENWIN BARRIE INC. 2714708 ONTARIO INC.	C
REMARKS: SC1490698. PLANNING ACT STATEMENTS.						
SC1622907	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	CALLOWAY FINANCIAL INC.	C
SC1622908	2019/09/10	CHARGE	$30,000,000	2714708 ONTARIO INC.	GREENWIN BARRIE INC.	C
SC1622909	2019/09/10	CHARGE	$30,000,000	GREENWIN BARRIE INC.	2714708 ONTARIO INC.	C
SC1629235	2019/10/04	APL (GENERAL)		GREENWIN BARRIE INC.		C

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				2714708 ONTARIO INC.		
	REMARKS: DELETE "S/T EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786" AND "T/W EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786" - MERGED					
SC1633771	2019/10/23	APL CONSOLIDATE		GREENWIN BARRIE INC. 2714708 ONTARIO INC.		

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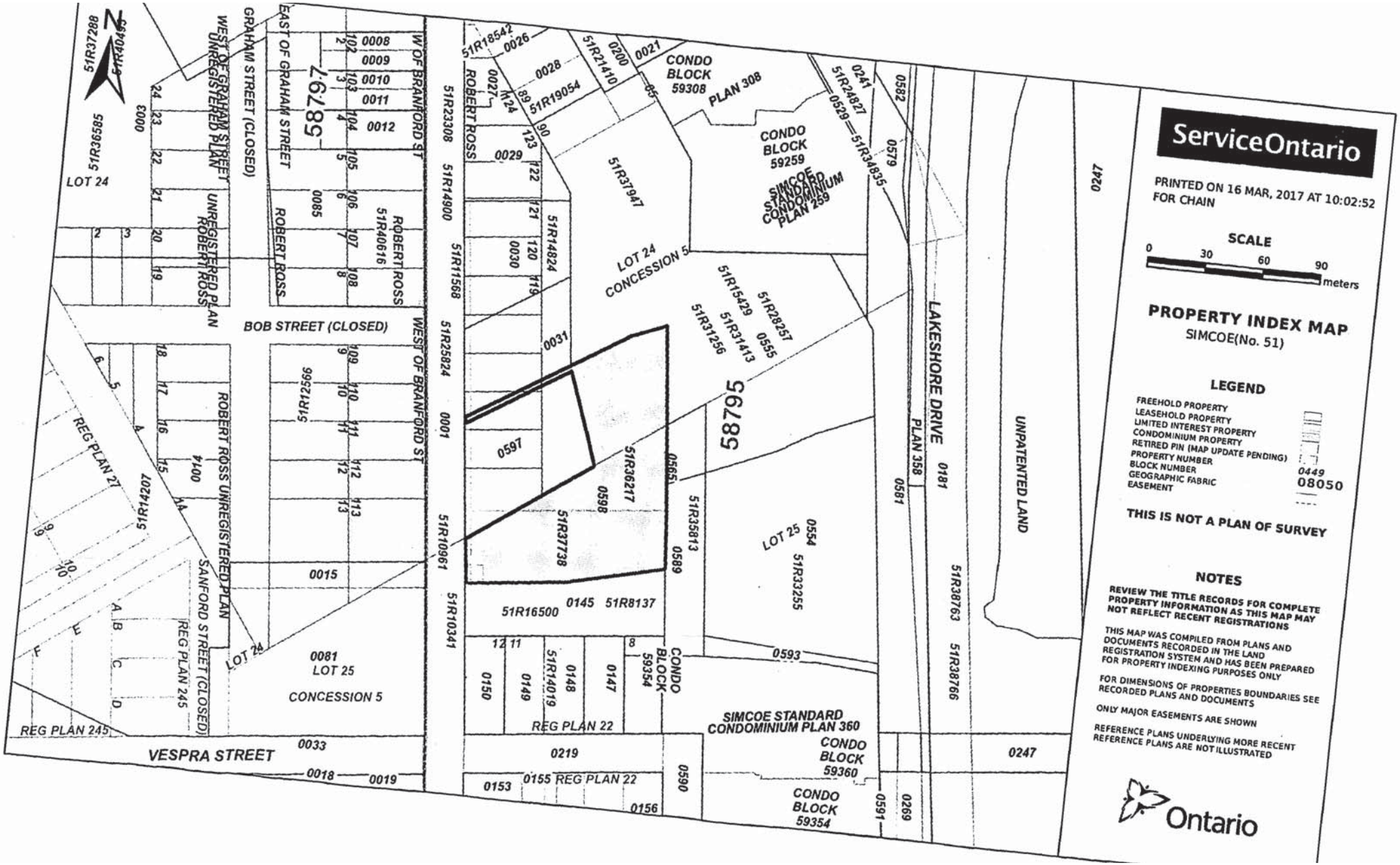
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FREEHOLD PROPERTY
LEASEHOLD PROPERTY
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CONDOMINIUM PROPERTY
RETIRED PIN (MAP UPDATE PENDING)
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BLOCK NUMBER
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THIS IS NOT A PLAN OF SURVEY
NOTES
REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS
THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY
FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS
ONLY MAJOR EASEMENTS ARE SHOWN
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LOT 24 CONCESSION 5
LOT 25
CONCESSION 5
BOB STREET (CLOSED)
GRAHAM STREET (CLOSED)
EAST OF GRAHAM STREET
WEST OF GRAHAM STREET
UNREGISTERED PLAN
ROBERT ROSS
WEST OF BRANFORD ST
VESPRA STREET
REG PLAN 245
REG PLAN 27
REG PLAN 22
SANFORD STREET (CLOSED)
SIMCOE STANDARD CONDOMINIUM PLAN 259
SIMCOE STANDARD CONDOMINIUM PLAN 360
CONDO BLOCK 59308
CONDO BLOCK 59259
CONDO BLOCK 59354
CONDO BLOCK 59360
PLAN 308
PLAN 358
LAKESHORE DRIVE
UNPATENTED LAND
ROBERT ROSS UNREGISTERED PLAN
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58795
51R37288
51R36585
51R23308
51R14900
51R11568
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51R10961
51R10341
51R18542
51R21410
51R19054
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Appendix E
Previous Investigations/Documentation

Terraprobe

Consulting Geotechnical & Environmental Engineering
Construction Materials Inspection & Testing

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
51-75 BRADFORD STREET
BARRIE, ONTARIO

Prepared for: **FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.**
25 Brodie Drive, Unit 1
Richmond Hill, Ontario,
L4B 3K7

Attention: Mr. Travis Nolan

File No 1-17-0147-41
September 12, 2017

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1.0 EXECUTIVE SUMMARY

FORTRESS KEMPENFELT BAY DEVELOPMENTS INC. (FORTRESS) retained Terraprobe Inc. (Terraprobe), to complete a Phase One Environmental Site Assessment (Phase One ESA) of the Phase One Property (Property) located to the southeast of Bradford Street and Simcoe Street in Barrie, Ontario. The Property was listed under the municipal addresses 51, 55 and 75 Bradford Street, Barrie, Ontario.

The Property is irregular in shape, with a total area of approximately 3.51 ha. The Property consisted of vacant vegetated lands on the north and east portions, a commercial building (auto dealership) with associated parking areas on the southwest portion, and a watercourse (Bunkers Creek) along the southern property boundary. The Property was considered to be in Commercial Land Use by the Ministry of the Environment and Climate Change (MOECC). It is understood that the Property will be potentially developed for Residential Land Use. The Phase One ESA is required for due diligence purposes.

The Phase One ESA identified the following Area of Potential Environmental Concern on the Property:

<u>APEC 1</u> – Historical use of fill material of unknown quality at the Property during redevelopment. Portions of the Property were also historically used as a coal yard from the early 1900s to the early 1950s.

- Location on the Property
  - Entire Property

- Potential Contaminants of Concern (PCoCs)
  - Metals
  - Metals, Hydride-Forming As, Se and Sb (H-Metals)
  - Other Regulated Parameters (ORPs):
    - boron, hot water soluble (HWS)
    - cyanide
    - electrical conductivity (EC)
    - hexavalent chromium
    - mercury
    - pH
    - sodium adsorption ratio (SAR)
  - Polycyclic Aromatic Hydrocarbons (PAHs)

- Media Potentially Impacted
  - Soil
  - Ground water

<u>APEC 2</u> – Historical activities on the Property under 51 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to early 1980s, as well as automobile service garages from at least 1989 to mid-2000s.

- Location on the Property
  - North Portion of Property

- PCoCs
  - Metals
  - H-Metals
  - ORPs
  - PAHs
  - Petroleum hydrocarbons (PHCs)
  - Volatile organic compounds (VOCs)

- Media Potentially Impacted
  - Soil
  - Ground water

<u>APEC 3</u> – Historical activities on the Property under 55 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to 1985, and automobile service garages from 1994 to the early 2000s.

- Location on the Property
  - Entire Property

- PCoCs
  - Metals
  - H-Metals
  - ORPs
  - PAHs
  - PHCs
  - VOCs

- Media Potentially Impacted
  - Soil
  - Ground water

APEC 4 – Historical activities at the Property under 75 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to 1985, wood and coal yard under former 65 Bradford Street from at least 1917 to the mid-1950s, and automobile service garages with underground fuel tanks since the early 1960s to the present.

- Location on the Property
  - Entire Property

- PCoCs
  - Metals
  - H-Metals
  - ORPs
  - PAHs
  - PHCs
  - VOCs

- Media Potentially Impacted
  - Soil
  - Ground water

APEC 5 – Historical activities at 45 Bradford Street included an iron works facility in the early 1900s and automobile service garages from the early 1900s to mid-1990s.

- Location on the Property
  - North Portion of Property

- PCoCs
  - Metals
  - PHCs
  - VOCs

- Media Potentially Impacted
  - Ground water

APEC 6 – Historical activities at 10 Checkley Street (formerly 14 High Street) included the presence of several fuel tanks from at least 1917 to 1971, and a dry cleaning facility in at least 1971.

- Location on the Property
  - North Portion of Property

- PCoCs
  - PHCs
  - VOCs

- Media Potentially Impacted
  - Ground water

<u>APEC 7</u> – Historical electricity generation facility from the early 1920s to the mid-1970s at 80 Bradford Street.

- Location on the Property
  - East Portion of Property

- PCoCs
  - PHCs
  - VOCs
  - Polychlorinated Biphenyls (PCBs)

- Media Potentially Impacted
  - Ground water

<u>APEC 8</u> – Historical automobile service garages and service station with multiple underground fuel tanks at 82 Bradford Street from approximately the early 1920s to mid-1970s.

- Location on the Property
  - East Portion of Property

- PCoCs
  - PHCs
  - VOCs

- Media Potentially Impacted
  - Ground water

Prior to the preparation and submission of a Record of Site Condition, a Phase Two Environmental Site Assessment would be required to investigate the Areas of Potential Environmental Concern for the Contaminants of Concern that have been identified on the Property.

2.0 INTRODUCTION

FORTRESS KEMPENFELT BAY DEVELOPMENTS INC. (FORTRESS) retained Terraprobe Inc. (Terraprobe), to complete a Phase One Environmental Site Assessment (Phase One ESA) of the Phase One Property (Property) located to the southeast of Bradford Street and Simcoe Street in Barrie, Ontario. The Property was listed under the municipal addresses 51, 55 and 75 Bradford Street, Barrie, Ontario.

The Property is irregular in shape, with a total area of approximately 3.51 ha. The Property consisted of vacant vegetated lands on the north and east portions, a commercial building (auto dealership) with associated parking areas on the southwest portion, and a watercourse (Bunkers Creek) along the southern property boundary. The Property was considered to be in Commercial Land Use by the Ministry of the Environment and Climate Change (MOECC). It is understood that the Property will be potentially developed for Residential Land Use. The Phase One ESA is required for due diligence purposes.

The general location of the Property is presented on Figure 1, the layout of the Property and notable features are presented in Figure 2. A plan of survey of the Property is provided in Appendix D.

2.1 Phase One Property Information

The Property information is provided below:

Legal Description	**51 Bradford Street:** Lot 120 & Part Lots 119 & 121 e/s Bradford Street, Part Bob Street Robert Ross Plan; Part Lot 24, Concession 5 as Part 2, 51R14824, City of Barrie **55 Bradford Street:** Part Lots 117-119 e/s Bradford Street, Part Bob Street Robert Ross Plan; Part Lot 24, Concession 5 as Part 1, 51R36217, City of Barrie **75 Bradford Street:** Lot 90 w/s High Street; Part Lot 65 e/s High Street Plan 115; Part Lots 24 & 25, Concession 5, City of Barrie Part Lots 24 & 25, Concession 5, Innisfil & Part Lots 117 & 118 Robert Ross Plan, designated as Parts 2, 4 & 5, 51R36217, City of Barrie And Part Lot 24, Concession 5, Innisfil & Lots 115, 116 & Part Lot 117 Robert Ross Plan, designated as Part 3 51R36217, City of Barrie
PIN(s)	**51 Bradford Street:** 58795-0030 (LT) **55 Bradford Street:** 5875-0031(LT) **75 Bradford Street:** 58795-0555 (LT), 58795-0597 (LT) & 58795-0598 (LT)
Assessment Roll Number	Not available

Municipal Address	51, 55 & 75 Bradford Street, Barrie, Ontario
Area	3.51 ha
Property Owner Information	Fortress Kempenfelt Bay Developments Inc. 25 Brodie Drive, Unit 1 Richmond Hill, Ontario, L4B 3K7
Persons, other than Property Owner, who engaged the Qualified Person to conduct the Phase One ESA	The Property Owner engaged the Qualified Person to conduct the Phase One ESA.

3.0 SCOPE OF INVESTIGATION

3.1 Purpose of Investigation

The Phase One ESA was conducted to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04, as amended (O.Reg. 153/04). The objectives of the Phase One ESA were as follows, per O.Reg. 153/04:

- To develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the phase one property.
- To determine the need for a Phase Two Environmental Site Assessment.
- To provide a basis for carrying out any Phase Two Environmental Site Assessment required.
- To provide adequate preliminary information about environmental conditions in the land or water on, in or under the Phase One Property for the conducting of a Risk Assessment following completion of a Phase Two Environmental Site Assessment (if required).

The Phase One ESA involved the following principal tasks:

- A review of records and reports regarding historical and current use and activities for the Property and Study Area,
- Interviews with available individuals having knowledge of current and/or past site activities,
- An inspection of the Property and observation of the Study Area,
- Evaluation of the information obtained and documentation of the results of the review.

Sampling and analysis of soil, ground water, or other materials (e.g. construction materials, air) were not conducted as part of Phase One ESA.

3.2 Records Review

The records review provides information on historical and current activities. The objectives of the records review were as follows:

- To obtain and review records that relate to the current and past uses, site features and activities at the Property.
- To obtain and review records that relate to PCAs, water bodies, and areas of natural significance in the Phase One Study Area and the Property.
- Based on the above, to provide an assessment of actual and/or potential contaminating activities and concerns with respect to the environmental condition of the Property.

The following sources of information were reviewed:

- Archival information for the Property including aerial photographs, topographic maps, historical maps and drawings.
- Property specific environmental reports and/or operating records (e.g., Certificates of Approval, waste generator registration, approvals, permits) provided to Terraprobe Inc.
- Geological and hydrogeological information in published government maps reports and/or databases.
- Databases maintained by Risk Information Services (ERIS) containing environmentally related information from private, provincial, and federal sources.
- Available fire insurance plans and insurance inspection reports.
- Published Ontario MOECC directories related to registered PCB storage sites and active and closed landfill sites.
- The Ontario Ministry of Natural Resources and Forestry (MNRF) Natural Heritage Information Centre database for information specific to natural areas, such as locations of environmentally sensitive areas.
- Published information regarding an Official Plan and zoning information for the area.
- Sensitivity mapping by the local Conservation Authority.
- Well head protection mapping by the local Conservation Authority

3.3 Interviews

The objectives of the interview were:

- To identify PCAs and/or potential contaminant pathways in, on or under the Property.

Key personnel were interviewed and asked questions related to specific site activities, such as:

- The nature of the operations.
- Handling and storage of environmentally sensitive products and related wastes.
- Environmental approvals and registrations.
- Knowledge of previous reports related to the environmental condition of the Property.
- Issues related to non-compliance, orders, or charges related to environmental conditions on the Property.
- Construction or renovation work conducted on the Property.

3.4 Site Reconnaissance

The objectives of the site reconnaissance were:

- To identify PCAs on the Property based on observations of current and past uses
- To identify PCAs in the Study Area based on observations of current and past uses
- To identify potential pathways for contamination migration at the Property and Study Area

The site reconnaissance included a review and evaluation of PCAs, including the following:

- Activities and practices including site operations, processes and waste management currently carried out on the Property.
- Evidence of past waste disposal, landfill or fill placement on the Property
- The presence of hazardous or toxic chemicals, materials or processes on the Property
- The presence of existing or former aboveground or underground fuel storage tanks on the Property.
- Identification of heating and cooling systems on the Property.
- The presence of floor cracks, hydraulic hoists, elevators, sumps and drains, wells, pits and lagoons on the Property.
- Identification of water supply source to the Property
- The presence of various designated substances and building materials, including friable and non-friable asbestos, PCB-containing materials and electrical equipment, lead-based paint, mould, and chlorofluorocarbons (CFCs) in air-conditioning and refrigeration equipment on the Property.
- Evidence of stained or odorous soils and stressed vegetation on the Property

In addition, an inspection of adjacent properties and the properties located within the Phase One Study Area was completed. The inspection of off-site properties was completed to identify Potentially Contaminating Activities, which may cause an Area of Environmental Concern to be identified for the Property. The inspection of off-site properties was limited to inspection from the Property boundaries and publicly accessible areas (roads, sidewalks, etc.).

3.5 Documentation and Evaluation of Information

The information obtained from the records review, interviews and site reconnaissance was described, documented and evaluated as summarized below:

- Documentation of information, as noted in subsequent sections of the report
- Description of past occupants and site uses
- Description of PCAs
- Description of APECs
- Development of a Phase One Conceptual Site Model

4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

As required under O.Reg. 153/04, the Phase One Study Area (Study Area) consisted of the area including the Phase One Property and any other properties that are located, wholly or partly, within 250 m from the nearest point on a boundary of the Phase One Property. Based on the geology, the historical development and land use on the Property and surrounding area, the Qualified Person determined that a 250 m radius around the Property was sufficient to identify PCAs that could potentially cause APECs on the Property. No additional properties outside the 250 m radius were included in the Study Area. The Phase One Study Area is shown on Figure 3.

4.1.2 First Developed Use Determination

The determination of first developed use was based on the review of aerial photographs, historical mapping, and property ownership records. The details and evaluation of the above noted information sources are provided in subsequent sections of this report.

Based on the evaluated information for **51 Bradford Street**:

- The Property passed from Crown ownership in 1833.
- The Property was first developed for Industrial Land Use in early 1900s.
- The Property was further developed for Commercial Land Use in mid-1970s to mid-1980s.

Based on the evaluated information for **55 Bradford Street**:

- The Property passed from Crown ownership in 1833.
- The Property was first developed for Industrial Land Use in early 1900s.
- The Property was further developed for Commercial Land Use in mid-1970s to mid-1980s.

Based on the evaluated information for **75 Bradford Street**:

- The Property passed from Crown ownership between 1821 to 1872.
- The Property was first developed for Industrial Land Use in early 1900s.
- The Property was further developed for Commercial Land Use in early 1960s to mid-1970s.

The table of Current and Past Land Uses of the Property is provided in Appendix A.

4.1.3 Fire Insurance Plans and Insurance Inspection Reports

Insurance inspection reports and Fire Insurance Plans (FIP) was searched through municipal sources and private organizations. The FIPs are provided in Appendix D. The relevant information is summarized below.

Date	Phase One Property	Study Area
1917	The north portion of the Property was operating as Barrie Tanning Co. Limited with several buildings and a coal shed present on the northeast portion. The west-central portion of the Property was operating as Mickle Dyment & Co Coal & Wood Yard. Railways sidings were running through the north, south and east portions. A swamp and Bunker's Creek was present on the south portion of the Property.	• North – Residential and commercial buildings including St. John & Crooner Barrie Iron Works, an automobile service garage, J.G Scott Coal & Lime and a bakery. Also High Street extended down to the northern Property boundary at that time and residential buildings were present to the north. • South – Bunker's Creek followed by commercial and residential buildings • East – Grand Trunk Railway Line • West – Bradford Street followed by a public school and other commercial buildings.
1923	No significant change	• North – No coverage available • South – Bunker's Creek followed by a building (land use unclear) to the south with 5 underground storage tanks (USTs). • East – No coverage available • West – Canadian General Electric Company Limited and a building (land use unclear) on the southeast portion of the property occupied 80 Bradford Street with 5 USTs.
1971	The tanning facility appeared to be expanded and consisted of a sewage plant to the northeast. The south portion was developed with an auto sales building in the same location as the current onsite building.	• North – New commercial buildings were present including a steel fabricating facility, dry cleaning facility and service garages. • South – Bunkers Creek followed by new commercial building including a restaurant and service garage • East – No significant change • West – Canadian General Electric Company Limited building was expanded such that it was similar in shape to the current building at 80 Bradford Street. The southeast portion which was formerly occupied by 5 USTs were no longer present and this portion was redeveloped with a service garage.

In addition to the above FIPs, the following Multirisk Reports were obtained and reviewed for the Property:

- *Multirisk Survey, Huron Tire and Auto, 75 Bradford Street, Barrie HPA, Ontario, January 27, 2000*
    - The onsite building was reportedly a single storey building constructed in 1960 with additions made in 1970s.
    - The building had been occupied by a service garage (Huron Tire and Auto) since 1995.
    - No USTs or aboveground storage tanks (ASTs) were identified; however 9 hoists were reportedly present at the time of the inspection.
- *Fire Inspection and Rate Calculation Report – 75 Bradford Street, Barrie, ON, 1977*
    - The onsite building was reportedly a one and two storey building built in 1953 and was occupied by French Motors (Barrie) Limited at the time of the inspection.
    - Heating was reportedly via hot water furnace serviced by an oil AST fed by an oil UST.
    - Several rooms were reportedly finished with asbestos lining.

The PCAs identified from the Fire Insurance Plans and Multirisk Reports are summarized below.

Location of PCA	PCA	Details
51-75 Bradford Street Phase One Property	#53 – Tannery	Barrie Tanning Co. Limited (1917)
51-75 Bradford Street Phase One Property	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Bunker oil AST and UST associated with Barrie Tanning Co. Limited (1971)
51-75 Bradford Street Phase One Property	#46 – Rail Yards, Tracks and Spurs	Railways Spurs (1917)
51-75 Bradford Street Phase One Property	#Other 2 – Coal Shed	Several coal shed present on Property (1917, 1923, 1971)
75 Bradford Street Phase One Property	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Heating oil AST and UST present under occupancy by French Motors (Barrie) Limited (1977)
75 Bradford Street Phase One Property	#10 – Commercial Autobody Shops	French Motors (Barrie) Limited (1977), Huron Tire and Auto (1995 to 2000).
65 Bradford Street (current 75 Bradford Street) Phase One Property	#59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Mickle Dyment & Co Wood Yard & Coal Yard(1917)
39 Bradford Street (current 45 Bradford Street) Adjacent Northwest	#34 – Metal Fabrication	St. John's Crooner Iron Works (1917)
45 Bradford Street Adjacent North	#10 – Commercial Autobody Shops	Used Car Sales (1971)
No Address Adjacent East	#46 – Rail Yards, Tracks and Spurs	Grand Trunk Railway Line (1917)
12 High Street (current 45 Bradford Street)	#10 – Commercial Autobody Shops	Garage (1917)

Location of PCA	PCA	Details
40-44 Ellen Street (current 33-37 Ellen Street) 45 m South	#59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Mickle Dyment & Sons Lumber & Wood Yard (1917)
40-44 Ellen Street (current 33-37 Ellen Street) 45 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	2 USTs associated with Mickle Dyment & Sons Lumber & Wood Yard (1917)
40-44 Ellen Street (current 33-37 Ellen Street) 45 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	5 USTs associated with British American Oil Co Limited (1923)
14 High Street (current 10 Checkley Street) Adjacent North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Bakery with 2 tanks on the south portion of building (1917)
14 High Street (current 10 Checkley Street) Adjacent North	#37 – Operation of Dry Cleaning Equipment (where chemicals are used)	Dry Cleaners (1971)
14 High Street (current 10 Checkley Street) Adjacent North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	1 fuel oil tank on north portion (1971)
29 High Street (current 2 Lakeshore Drive) Adjacent Northeast	#Other 2 – Coal Shed	J.G. Scott Coal & Lime Shed (1917) with railway sidings on east side
29 High Street (current 2 Lakeshore Drive) Adjacent Northeast	#46 – Rail Yards, Tracks and Spurs	Railway sidings associated with J.G. Scott Coal & Lime Shed (1917)
30 Toronto Street (current 101 Dunlap Street) 230 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Residential home with 1 fuel tank on west portion of building (1917)
86 Bradford Street (current 34 High Street) 245 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Residential home with 2 fuel tanks on south and west portions of building (1917)
90 Bradford Street Adjacent South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	5 USTs associated with a unknown use building (1923)
100 Bradford Street 20 m Southwest	#28 – Gasoline and Associated Products Storage in Fixed Tanks	4 USTs associated with an automobile service garage (1923)
100 Bradford Street 20 m Southwest	#10 – Commercial Autobody Shops	An automobile service garage (1923, 1971)
80 Bradford Street 20 m West	#18 - Electricity Generation, Transformation and Power Stations	Canadian General Electric Company Limited (1923)
82 Bradford Street 20 m West	#28 – Gasoline and Associated Products Storage in Fixed Tanks	5 USTs associated with Canadian General Electric Company Limited (1923)
82 Bradford Street 20 m West	#10 – Commercial Autobody Shops	Auto Service (1971)
82 Bradford Street 20 m West	#28 – Gasoline and Associated Products Storage in Fixed Tanks	1 UST associated with Auto Service (1971)
97 Bradford Street	#10 – Commercial Autobody Shops	Equipment Rental & Auto Repairs

Location of PCA	PCA	Details
35 m South		(1971)
101 Dunlap Street 230 m North	#10 – Commercial Autobody Shops	Auto Service (1971)
101 Dunlap Street 230 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	2 USTs on the northeast and southwest portion of the Auto Service building (1971)
30 Toronto Street (current 28 Toronto Street) 185 m North	#12- Concrete, Cement and Lime Manufacturing	Ready Mix Concrete Batching Plant
21 Bradford Street 110 m North	#10 – Commercial Autobody Shops	Auto service garage (1971)
21 Bradford Street 110 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	1 UST associated with auto service garage (1971)
72 Simcoe Street (current 34 Simcoe Street) 178 m Northeast	#28 – Gasoline and Associated Products Storage in Fixed Tanks	1 UST associated with Builders Supplier (1971)

4.1.4 Chain of Title

A Chain of Title search for the Property dating back to Crown ownership was completed and summarized below.

51 Bradford Street:

- The Property transferred from Crown ownership to private individuals in 1833.
- The Property transferred from private individuals to Industrial/Commercial ownership in 1900 (various tanning companies to 1985, then various holding companies).
- The Property transferred to the current property owner in 2016.

55 Bradford Street:

- The Property transferred from Crown ownership to private individuals in 1833.
- The Property transferred from private individuals to Industrial/Commercial ownership in 1931 (various tanning company from 1935 to1985, service garage from 1986 to 1996, then various holding companies).
- The Property transferred to the current property owner in 2016.

75 Bradford Street:

- The Property transferred from Crown ownership to private individuals in parcels between 1821 to 1872.
- The Property transferred from private individuals to Industrial/Commercial ownership in 1912 (portions of the property owned by various tanning companies to 1985, service garage from 1961 to 1996, then various holding companies).
- The Property transferred to the current property owner in 2016.

The Chain of Title is provided in Appendix I. The information is presented on the Table of Current and Past Land Uses in Appendix A.

4.1.5 City Directory Search

Available city directories were reviewed for the Property and adjacent properties. The full search results can be found in Appendix H.

The PCAs identified in the City Directory Information are summarized below.

Location of PCA	PCA	Details
1 Victoria Street 203 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Barrie Fuel & Supply Co (1952-1999)

Location of PCA	PCA	Details
19-21 Bradford Street 110 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Little Service Station (1952-1961), Brenan Service Station (1961-1966), Don's Esso Service Station (1966-
25 Bradford Street 75 m North	#10 – Commercial Autobody Shops	Justin Motors (1952-1994)
31-33 Bradford Street 25 m North	#10 – Commercial Autobody Shops	Beers Tire Service (1961-1974), Harper Tire (1974-1982), Barrie Tire (1982)
51 Bradford Street Phase One Property	#10 – Commercial Autobody Shops	ELM Auto Sales & Leasing (1989-1994), Wagner's Service Centre (1994)
55 Bradford Street Phase One Property	#10 – Commercial Autobody Shops	Deal on Wheels & Central Automotive Sales (1994)
45 Bradford Street Adjacent North	#10 – Commercial Autobody Shops	Bay City Motors (1961-1994)
75 Bradford Street Phase One Property	#10 – Commercial Autobody Shops	French Motors Ltd (1961-1994), Barrie Auto Sales & Huronia Tire and Auto Service Centre (1994-1999)
80 Bradford Street 20 m West	#18 - Electricity Generation, Transformation and Power Stations	Canada General Electric Co (1952-1974)
82 Bradford Street 20 m West	#10 – Commercial Autobody Shops	Stranaghan Motors (1952-1974)
82 Bradford Street 20 m West	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Claude's Texaco Service Station (1974)
93 Bradford Street Adjacent South	#10 – Commercial Autobody Shops	MDF Auto Sales (1974-1982), Acadia and Thrifty Rent A Car (1982)
97 Bradford Street 35 m South	#10 – Commercial Autobody Shops	Semple Motor Sales (1952-1961), Kramer Motors (1961-1966) Viau Motors (1966-1974), Auto Glass (1974-1982), Barrie U-Haul (1982)

Location of PCA	PCA	Details
100 Bradford Street 20 m Southwest	#10 – Commercial Autobody Shops	Hart's Garage (1952-1961), Park Motors (1961-1966), Jackson Motors Ltd. (1966-1974), Centennial Plymouth Chrysler (1974-1989), Barrie Honda Auto Sales (1989-1994)
110 Bradford Street 95 m southeast	#10 – Commercial Autobody Shops	Huronia Tire & Auto Service Centre (1989-1999)
111 Bradford Street 140 m South	#10 – Commercial Autobody Shops	Tom's Auto Service (1982-1999)
115 Bradford Street 138 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Fina Service Station (1961-1974)
115 Bradford Street 138 m South	#10 – Commercial Autobody Shops	Tom's Auto Service (1974-1999)
119 Bradford Street 190 m South	#10 – Commercial Autobody Shops	Stewart Motors (1961-1966), Byron Graham Motors (1966-1974), Toke Motors (1974-1994), Dave & Rico Auto Sales (1994-1999), Campbell Auto Sales (1999)
120 Bradford Street 195 m Southwest	#10 – Commercial Autobody Shops	Byron Graham Motors (1974-1999)
18 Vespra Street 100 m South	#10 – Commercial Autobody Shops	Hughes Battery Service (1974-1982)
25 Toronto Street 138 m Northeast	#10 – Commercial Autobody Shops	Murdock's Wheel Alignment (1982-1989)
36 Ellen Street 100 m South	#37 – Operation of Dry Cleaning Equipment (where chemicals are used)	Simcoe Carpet & Cleaning Services (1982-1989)
34-36 Ellen Street 100 m South	#10 – Commercial Autobody Shops	Bayside Automotive (1989-1999), Howard Engines (1999)

4.1.6 Environmental Reports

The following environmental reports were available to Terraprobe for review.

Report Title	Phase I Environmental Site Assessment, Proposed Blue Sails Development, PIN58995-554/0565/0031/0030/0276(LT) & PINS 58795-0143(R), Part Lot 24 & 25, Concession 5, Formerly Vespra Township, City of Barrie, Ontario
Report Date	July 30, 2008 (Updated August 11, 2008)
Prepared By	Terraprobe
Prepared For	Blue Simcoe Developments Inc.

- The Phase I ESA was completed in accordance with CSA Standard Z768-01 for due diligence purposes.
- At the time of the Phase I ESA, north portion of the Property was vacant and the south portion comprised of buildings occupied by Barrie Metro Glass and sales offices. Suspect fill material was also observed on the portions of the Property at that time.
- Historical uses at the Property reportedly included The Barrie Tanning Company, Mickle & Co. Coal and Wood Yard and auto repair shops.
- A review of previous reports by other consultants was included in this Phase I ESA report. This review indicated the following relevant environmental discussions:
    - Remediation Reports by Barenco Inc. (Barenco), January 1999 & January 2001 – These reports related to early remediation efforts undertaken on the east portion of the Property. The program was completed to remediate petroleum hydrocarbon (PHC) impacted soils at the Property to meet the former Table B generic criteria, assuming a non-potable groundwater condition and full depth restoration. The remediation involved the establishment and monitoring of bio piles. Metal and salt-related impacts in the soils were also excavated and mixed onsite. The PHC biopiles were then dismantled and reassessed for any outstanding impacts. According to the reports, the remediation involved the processing of 4,000 tonnes of soil onsite and the offsite disposal of 800 tonnes of impacted soil. The 2001 Barenco report concluded that all impacted soils had been remediated and no environmental contaminants remained.
    - Geotechnical Reports by Peto MacCallum (PMC), March 2008 - In the first investigation (i.e., for the parcels located on Bradford Street), 7 soil samples and 3 groundwater samples were collected during a geotechnical investigation for chemical analysis. PMC considered the Property as a ‘sensitive’ land use, as a result of its proximity to a surface water body. Therefore, the applicable Site Condition Standards (SCS) were deemed to be the full depth, Table 1 SCS. The results indicated that metals, boron, PHCs, Volatile Organic Carbons (VOCs), and Polycyclic Aromatic Hydrocarbons (PAHs) exceedances

were detected. In addition, groundwater tests also had elevated concentrations of VOCs, PHCs, in addition to metals. The second report was for the larger property (i.e., the section closer to Lakeshore Road). For this parcel, 18 soil samples and 3 groundwater samples were collected for chemical analysis. Based on the chemical results for soils, elevated concentrations of metals, petroleum hydrocarbons (F2-F4), PAHs, and VOCs were identified at specific locations. The results of the groundwater sampling confirmed elevated metals and inorganic parameters at all sampling locations.

Based on the above, previous subsurface investigations were completed at the Property between 1999 and 2008. As the regulations have since changed to more stringent standards in 2011, soil and ground water impacts may remain on the Property.

- The Phase I ESA identified several environmental concerns based on the current and historical land uses/activities both onsite and offsite. The report concluded with a recommendation for a subsurface investigation to determine the extent of potential contamination from the identified environmental concerns.

Report Title	Revised Phase II Environmental Site Assessment, Proposed Blue Sails Development, 51-75 Bradford Street, Barrie, Ontario
Report Date	May 28, 2010 (revised)
Prepared By	Terraprobe
Prepared For	Blue Simcoe Developments Inc.

- The Phase II ESA was completed to determine the extent of soils and ground water contamination at the Site, based on the concerns identified in the 2008 Terraprobe Phase I ESA and environmental reports by other consultants (Barenco and PMC).
- The Phase II ESA was completed between 2008 to 2009 as follows:
    - The 2008 investigation included 19 boreholes drilled to depths of approximately 5.1 to 40.1 m, 15 test pits dug to depths of approximately 1.4 to 3.4 m, and installation of monitoring wells or piezometers at 11 locations. In addition, chemical analysis was conducted on approximately 36 selected soil samples and 8 ground water samples.
    - Additional environmental investigation was conducted in 2009 to further characterize the soil and ground water conditions at the Property. The investigation consisted of 7 boreholes advanced to depths of 2.9 to 9.7 m, 27 test pits excavated to depths of 2.1 to 7.0 m, and installation of 9 monitoring wells. Chemical analyses was conducted on approximately 37 selected soil samples for a variety of parameters. In addition, 12 ground water samples (9 from the 2009 monitoring wells and 3 from the previously installed monitoring wells) were analysed on two sampling events.
- The stratigraphy observed in the boreholes was generally fill comprised of sand and silt mixed with concrete rubble and traces of wood and brick debris. Frequent layers of coal cinders were

found within the fill. The fill was underlain by a layer of peat, typically of up to 4 m thickness. Beneath the fill or peat layer, deposits of sand and silty sand were found at depths of approximately 1.5 to 7 m. A layer of clayey silt to silty clay was then encountered. The silty clay was underlain by further deposits of sand or sandy silt encountered at the limits of the investigation at approximately 40 m.

- The results of the soil and ground water analysis completed for the Phase II ESA indicated:
    - There were a number of exceedances of the 2004 Table 1 Standards noted in the fill materials. These exceedances were generally for metals (antimony, arsenic, beryllium, boron, chromium, copper, lead, nickel, zinc, electrical conductivity), petroleum hydrocarbons, VOC's and polycyclic aromatic hydrocarbons.
    - There were a number of exceedances of the 2004 Table 2 Standards for many of the same parameters noted above (metals, petroleum hydrocarbons, PAHs, cis-1,2 Dichloroethylene and vinyl chloride).
    - The ground water quality generally met the 2004 Table 2 Standards with the exception of minor exceedances for VOC, petroleum hydrocarbons and PAHs in some of the wells located within the hydrocarbon impacted area near the central portion of the site. In addition, minor exceedances for sodium, chloride and PAHs were noted in some of the wells located across the site.
- The report concluded that remediation of the impacted media by excavation or risk assessment would be required in order to obtain a Record of Site Condition (RSC) for the Property for the purposes of redevelopment into Residential Land Use.
- It should be noted that the Phase II ESA was completed prior to change in the Regulations to standards that are more stringent in 2011. As such, soil and ground water impacts may remain on the Property.

Report Title	Risk Assessment for 51-75 Bradford Street, Barrie, Ontario – IDS Ref. No. 4730-823K2U
Report Date	August 31, 2010
Prepared By	NovaTox Inc. (Novatox)
Prepared For	Terraprobe

- The Risk Assessment was completed following the submission and receipt of comments by the MOECC on the pre-submission form.
- The RA generally summarized the Phase I and Phase II ESA completed at the Property (as previously noted) and included the following:
    - Identification of the contaminants of concern, based on historical evidence and site investigation.

  - Identification of appropriate pathways and receptors based on the then existing and proposed land use for the Property and surrounding areas
  - Identification of appropriate Risk Management Measure (RMMs) for the Property
- The expected RMMs based on the site condition standards for lands within 30 m of Bunker's Creek included:
  - Leave lands in existing natural state with no significant changes or on-going maintenance.
  - Construct limited features within the site, such as a pedestrian or bicycle pathway.
  - Conduct more significant works within the park including re-grading, planting, landscaping, and the like.
- The expected RMMs based on the site condition standards for lands beyond 30 m of Bunker's Creek:
  - Site remediation,
  - Surface covering or treatment, compatible with the proposed land uses, to isolate or block exposure to impacted soil.
  - Use of clean backfill materials in the construction of underground utilities (such as sewers, utility conduits and the like) to minimize the potential for future exposure of construction or maintenance workers.
- It should be noted that the 2010 RA was not acknowledged by the MOECC. As such, additional subsurface investigations to further characterize the soil and groundwater contamination and update of the RA to current MOECC requirements will be necessary.

The PCAs identified in the additional environmental reports are summarized below.

Location of PCA	PCA	Details
51-75 Bradford Street Phase One Property	#10 – Commercial Autobody Shops #28 – Gasoline and Associated Products Storage in Fixed Tanks #53 – Tannery #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	According to the 2008 Phase I ESA report, historical uses at the Property included The Barrie Tanning Company, Mickle & Co. Coal and Wood Yard and auto repair shops. The 2010 Phase II ESA identified soil and ground water impacts at the Property. Residual contaminated soil and ground water may remain on the Property due to change in Regulations to standards that are more stringent in 2011.

4.2 Environmental Source Information

4.2.1 ERIS

Environmental Risk Information Services Ltd. (ERIS) is an organization that maintains and searches various government and private databases for property-related environmental information. A search of the ERIS databases was requested for the Property and Study Area. The ERIS Report is provided in Appendix J. There were no records found for the Property.

The PCAs identified in the ERIS report are summarized below.

Location of PCA	PCA	Details
Intersection of Lakeshore Drive & Toronto Street 35 m East	#Other 1 – Spills	Ontario Spill – Oil sheen on Kidds Creek (2012)
1 Toronto Street 105 m Northeast	#Other 1 – Spills	Ontario Spill – Hydrocarbon Spill to Kidds Creek (2009)
55 Lakeshore Drive 95 m Northeast	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Anderson's Storage Tanks –2001 to 2009 – Service Station with One gasoline and one diesel tanks (City of Barrie Parks & Recreation Dept) O.Reg. 347 Waste Generators – 2005 to 2016 – Light fuels, waste Oils & lubricants (The Corporation of the City of Barrie)
100 Bradford Street 20 m Southwest	#10 – Commercial Autobody Shops	O.Reg. 347 Waste Generators – 2006 –Waste oils & lubricants (Forcan Developments Inc.)
31 Vespra Street 90 m South	#Other 1 – Spills	Ontario Spill – 50 L Motor oil onto land (2016)
15 – 39 High Street, Simcoe Street, 2-28 Toronto Street 185 m North	#Other 1 – Spills	Ontario Spill – Hydrocarbon Spill to Kidds Creek (2013)
34 Simcoe Street 158 m Northwest	#Other 1 – Spills	O.Reg. 347 Waste Generators –2013- 2014 – Light fuels (Golfside Construction Limited) Ontario Spill – Hydrocarbon sheen in Kidds Creek (2012)

111 Bradford Street 140 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	TSSA Expired Facilities – 2001 – Service Station with 4 USTs (Thowisel Ltd.) O.Reg. 347 Waste Generators – 2006 –Light Fuels (Thowisel Ltd.) Private and Retail Fuel Storage Tanks – 1995 (Thowisel Ltd.) Retail Fuel Storage Tanks – Automobile Garage (Tom's Auto Service)
111 Bradford Street 140 m South	#10 – Commercial Autobody Shops	Retail Fuel Storage Tanks – Automobile Garage (Tom's Auto Service)
Vespra & Bradford Streets 138 m Southwest	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Anderson's Waste Disposal Sites – Since 1964 – City Dump (Vespra & Brantford Street Dump)
Vespra & Innisfil Streets 138 m Southwest	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Anderson's Waste Disposal Sites – 1950-1960 – City Dump (Vespra & Innisfil Dump II)

4.2.2 Other Source Information

Other environmental source information was searched as part of the Phase One ESA. The information that was search includes:

- Freedom of Information (FOI) request to the MOECC. The FOI request determines if information regarding orders, investigations or other information on file with respect to the Property.
- Technical Standards and Safety Authority (TSSA) was contacted in regards to records related to storage tanks for petroleum related products with respect to the Property
- The local Conservation Authority was contacted to determine if the Property was considered regulated under the Conservation Authorities Act and Ontario Regulations 42/06, 146/06 to 182/06 and 97/04.

The information requests and responses are provided in Appendix M and are summarized below.

Information Request	Response
MOECC FOI	A response from the MOECC to the FOI request indicates that records are available for the Property. The records have been requested, but have not been received as of the date of this report. An addendum letter will be provided if the review of the records indicate a significant change to the conclusions of this report.
TSSA	A response from the TSSA request has been received as of the date of this report. No records of tanks were available for the Property and the following adjacent/neighbouring properties: • 50, 59, 83, 93 Bradford Street • 33 Ellen Street • 2 Toronto Street
Conservation Authority	A response from the governing Conservation Authority indicates that the east and south portions of the Property is regulated by the Lake Simcoe Region Conservation Authority (LSRCA).

4.3 Physical Setting Sources

4.3.1 Aerial Photographs and Historic Mapping

Aerial photographs, satellite imagery and historic maps were reviewed. Aerial photographs, satellite images and historic maps were selected based on available dates and scale in order to provide as much information as reasonably practical regarding the development of the Property and Study Area from first developed land use until the present development of the Property. The state of development of the Property and Study Area is summarized in below:

Date	Source	Property	Study Area
1946	Aerial	Several buildings similar to the tannery and coal sheds in the 1923 FIPs were present. Apparent railway sidings were present on the central and eastern portions of the Property.	The commercial/residential buildings similar to the 1917 FIP were present to the north, south and east. Bradford Street followed by a building similar to the current school building at 50 Bradford Street was present. In addition two large buildings similar to the 1923 FIP was present at 80 Bradford Street. Bunkers Creek was present to the south.
1962	Aerial	The resolution of the aerial image was unclear; however, no significant changes were observed.	The resolution of the aerial image was unclear; however, no significant changes were observed to the north, east and south. The property at 80 Bradford Street was redeveloped with buildings similar to the industrial building (Canadian General Electric Co. Ltd) shown on the 1971 FIP.

Date	Source	Property	Study Area
2006	Satellite Image	The Property was vacant with the exception of a building and parking areas on the southwest portion.	The surrounding properties appeared similar to the present day with residential apartment building to the northeast, commercial buildings to the northwest, west and south, and Lakeshore Drive followed by the Marina to the East. The current north building at 33-37 Ellen Street was present at that time. An apparent commercial building was also present at 100 Bradford Street.
2013	Satellite Image	The east portion of the onsite building was demolished such that it was similar in shape/size to the current onsite building.	The surrounding properties appeared similar to the present day. The properties at 33-37 Ellen Street was occupied by the current residential high rise building and 100 Bradford was vacant.
2016	Satellite Image	No significant change	No significant change

A selection of aerial photographs and historic maps are presented in Appendix F

4.3.2 Topography Hydrology, Geology

A topographic map from the MNRF and the geological mapping produced by the Ontario Ministry of Northern Development and Mines - Ontario Geological Survey was reviewed. Please note for Toronto the topographic map is produced by the City of Toronto from information provided by the MNRF. The information gleaned from the mapping is summarized below. The maps are provided in Appendix K.

Topography	The approximate elevation of the Property is 220 masl and uneven throughout the Property.
Hydrogeology	The nearest water body is Bunker's Creek which is located along the southern Property boundary. The creek drains into Lake Simcoe which is located 65 m east of the Property. The approximate depth to ground water, based on Water Well Records in the local area, is expected to be 0.6 m to 3 m. Ground water and surface water is expected to flow to the east.
Geology (overburden)	The over consists of undifferentiated sand, gravel, minor silt and clay i.e. foreshore and basinal deposits (9c coarse-textured glaciolacustrine deposits)
Geology (bedrock)	The bedrock on the site is of the Shadow Lake Formation, which is comprised of limestone, dolstone, shale, arkose and sandstone (54a)
Geology (depth to bedrock)	Based upon historic borehole information from the MNRF and Water Well Records in the vicinity from the MOECC, the depth to bedrock in the area of the Property is beyond 50 m.

4.3.3 Fill Materials

Based upon the historic land use of the Property, it is probable that historic filling occurred across the property.

Location of PCA	PCA	Details
Phase One Proper	#30 – Importation of Fill Material of Unknown Quality	It is probable that fill material of unknown quality was used in the original development of the Property, between 1917 to 2013. In addition, the south portion of the Property was occupied by a coal yard between the early 1920s to early 1950s which may have contributed to poor fill material.

4.3.4 Water Bodies, Wetlands and Areas of Natural Significance

Mapping from the MNRF was reviewed to determine if water bodies were present on the Property and within the Study Area. The MNRF National Heritage Information Centre database for listings of Areas of Natural or Scientific Interest (ANSIs) was reviewed. The information is summarized below.

Water Bodies (Property)	• Bunker's Creek is present along the southern Property boundary.
Water Bodies (Study Area)	• Lake Simcoe– 65 m east of the Property
Wetland (Property)	Provincially Significant • No Provincially Significant wetlands were present on the Property Non- Provincially Significant • No Non- Provincially Significant wetlands were present on the Property Unevaluated • No An Unevaluated wetlands were present on the Property
Wetland (Study Area)	Provincially Significant • No Provincially Significant wetlands were present in the Study Area. Non- Provincially Significant • No Non- Provincially Significant wetlands were present in the Study Area Unevaluated • No unevaluated wetlands are present in the Study Area.

ANSIs (Property)	Provincially Significant Life Science ANSI • No Life Science ANSIs were identified on the Property. Provincially Significant Earth Science ANSI • No Earth Science ANSIs were identified on the Property.
ANSIs (Study Area)	Provincially Significant Life Science ANSI • No Life Science ANSIs were identified in the Study Area. Provincially Significant Earth Science ANSI • No Earth Science ANSIs were identified on the Property.

4.3.5 Archaeological Resources or Areas of Archaeological Potential

The Property is not designated as of provincial heritage significance under the Ontario Heritage Act. No additional archaeological evaluation of the Property was conducted as part of the Phase One ESA.

4.3.6 Species at Risk

No science based assessment of potential species at risk or species habitat was conducted as part of the Phase One ESA.

4.3.7 Well Records

The MOECC well records database was searched through ERIS and through the MOECC online Water Well Database for records located on the Property and in the Study Area (within 250 m). A copy of the Well Records are provided in Appendix L and are summarized below.

Water Wells (Property)	• No drinking water wells on the Property • 11 other water wells located on the Property
Water Wells (Study Area)	• No drinking water wells in the Study Area • 52 other wells were located within the Study Area
Stratigraphy	• 0 to 3.5 m – Fill (Silty Sand and Peat) • 3.5 to 9.8 m – Sand Gravel • 9.8 to 33.5 m – Clay Sand • 33.5 to 44 m – Clay • 44 to 88 m – Sand, Gravel, Clay • 88 to 92 m – Marl
Depth to Water Table	• 0.6 m to 3 m
Depth to Bedrock	• Beyond 50 m

4.4 Site Operating Records

No site operating records were provided for review.

5.0 INTERVIEWS

No individuals with knowledge of the current or historic environmental condition of the Property where available for interview during the investigation. Based upon the historic information reviewed and the nature of the Land Use of the Property, it was belief of the QP that not being able to interview knowledgeable individuals did not pose a significant void in the information on historical or current site activities that would significantly affect the Conceptual Site Model

6.0 SITE RECONNAISSANCE

6.1 General Requirements

Date of Investigation	2017-04-06
Time of Investigation	08:30 to 12:30
Weather Conditions	Cloudy, 6 ºC
Duration of Investigation	Approximately 4 hours
Was the Facility Operating? **(only for enhanced investigation)**	Not Applicable
Person Conducting Investigation and Qualifications	Suvish Melanta, P.Eng.

6.2 Specific Observations at Phase One Property

The site reconnaissance included a walking tour of the Property, as well as compiling written and photographic records. Site features are presented on Figure 2, and site photographs are presented in Appendix G.

6.2.1 Building and Structure Descriptions

The building and/or structure description and interior finishes present on the Property are provided below.

Address: 75 Bradford Street	
Building Component	**Description**
Building Configuration	Rectangular
Footprint	610 m^2
Height	Single storey slab-on-grade
Roof	Unknown as access was not provided
Construction Date	Approximately 1953
Exterior Finish	Stucco
Interior Walls	Concrete block and drywall, as assessed from exterior portions
Interior Floors	Unknown as access was not provided
Interior Ceilings	Unknown as access was not provided

Address: 75 Bradford Street	
Building Component	**Description**
Interior Lighting	Unknown as access was not provided
Building Entry and Exit Points	West and northeast elevations
Heating Systems	Appeared to be rooftop HVAC system
Cooling Systems	Appeared to be rooftop HVAC system
Drains, Pits and Sumps	Unknown as access was not provided. An automobile servicing area was present on the east portion of the building and may have floor drains.
Unidentified Substances	Unknown as access was not provided
Staining and Corrosion	Unknown as access was not provided

6.2.2 Designated substances and Other Special Attention Items

The inspection was carried out in accessible areas and included an assessment of the potential presence of the following materials:

- Designated substances (i.e., acrylonitrile, asbestos, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, lead, mercury, silica, vinyl chloride).
- Polychlorinated biphenyls (PCBs).
- Ozone depleting substances.
- Urea-formaldehyde foam insulation (UFFI).
- Special attention items (i.e., mould, radioactive materials).

The presence of these materials is summarized below.

Asbestos	Unknown as access was not provided. Based on the construction date of the building in early 1950s, it is possible that construction materials containing asbestos are present in the building. In addition, the 1977 Multirisk Report identified asbestos building materials.
Lead	Unknown as access was not provided. Based on the construction date of the building in early 1950s, it is possible that construction materials containing lead are present in the building.
Mercury	Unknown as access was not provided. Based on the construction date of the building in early 1950s, it is possible that mercury is present in the building.

PCBs	Unknown as access was not provided. Based on the construction date of the building in early 1950s, it is possible that PCB is present in the building.
Ozone Depleting Substances	Unknown as access was not provided. Based on the construction date of the building in early 1950s, it is possible that ozone depleting substances are present in the building.
UFFI	Unknown as access was not provided. Based on the construction date of the building in early 1950s, it is possible that UFFI products are present in the building.
Mould	Unknown as access was not provided.
Radioactive Materials	No manmade sources of radiation were observed during the site inspection.
Herbicides and Pesticides	During the site inspection, no materials containing herbicides or pesticides were observed to be stored or used at the site

6.2.3 Below Ground Structures

No below ground structures were observed in the visually assessed areas on the Property during the site inspection.

6.2.4 Above Ground Storage Tanks

No aboveground storage tanks, or obvious evidence of historical aboveground storage tanks, were observed in the visually assessed areas on the Property. It should be noted that an automobile servicing area was observed on the east portion of the building and aboveground storage tanks (ASTs) may be present.

6.2.5 Under Ground Storage Tanks

No underground storage tanks (or obvious evidence of underground storage tanks) were observed on the visually assessed areas of Property at the time of the site inspection. It should be noted that a servicing area was present on the east portion of the building and may consist of a subsurface oil/water separator.

6.2.6 Exterior Site Conditions

The majority of the Property is comprised of undeveloped lands. The southwest portion of the Property is a parking lot surfaced with asphaltic concrete pavement. Bunkers Creeks weaves through portions of the southwest property boundary. No landscaping is present. Additional details of the Property are provided below.

Water Sources	Municipal
Underground Utilities and Services	The inspection of the Property indicated the following information related to utility services: • Overhead lines running from the northeast corner of the building to Bradford Street • Water line running west from the west side of onsite building to Bradford Street • Gas line running west from the west side of onsite building to Bradford Street
Current and Former Wells	11 Monitoring wells from previous environmental investigations by Terraprobe and others were present throughout the property.
Sewage Works	No sewage works were observed on the Property.
Railways	No railway tracks were observed on the Property.
Stained and Odorous Soils	No stained or odorous soils were observed on the Property.
Stressed Vegetation	No signs of stressed vegetation were observed on the Property.
Fill Materials	No signs of fill material were observed on the Property.
Watercourses, Ditches or Standing Water	Bunkers Creek weaves through portions of the southwest property boundary
Air Emissions	No sources of air emissions were observed on the Property.
Roads, Parking Facilities, and Right-of-Ways	No formal roads, parking facilities, or rights-of-way were observed on the Property.
Waste Handling	No tanks, dumpsters, garbage bins, or other waste handling facilities were observed on the Property.

6.3 Enhanced Investigation Property

The current and historical activities on the Property do not qualify the site as an Enhanced Investigation Property.

6.4 Investigation of Phase One Study Area

At the time of the site inspection, the land uses were noted on the properties immediately adjacent to the Property as summarized below.

Direction	Land Uses
North	Residential (2-6 Lakeshore Drive), Commercial (Law offices -10 Checkley Street, parking lot – 5 to 15 Checkley Street), Community (High Street)
East	Community (Lakeshore Drive) then Parkland (Lake Simcoe & Marina)
South	Commercial (U-Haul & Ethan Motors – 90 Bradford Street)
West	Commercial (Barrie By-The Bay Plaza, Tim Hortons – 80 Bradford Street), Institutional (Prince of Wales Public School – 50 Bradford Street)

6.5 Written Description of Investigation

The site reconnaissance included a walking tour of the Property conducted on April 6, 2017, by Suvish Melanta, P.Eng. The tour consisted of an inspection of the Property and all building and structures (if present) Written and photographic records regarding the condition of the Property were compiled.

6.6 Potentially Contaminating Activities

Potentially contaminating activities observed during the site inspection are presented below.

Location of PCA	PCA	Details
90 Bradford Street Adjacent South	#10 – Commercial Autobody Shops	U-Haul and Ethan Motors
111 Bradford Street 140 m South	#10 – Commercial Autobody Shops	Tom's Auto Service
119 Bradford Street 190 m South	#10 – Commercial Autobody Shops	Bayfield Auto. com
120 Bradford Street 195 m Southwest	#10 – Commercial Autobody Shops	Byron Graham Motors

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Current and past uses of the Property were determined from historical aerial photographs, fire insurance plans, chain of title documents and city directories. The current and past uses of the site are provided in Appendix A, in a form approved by the MOECC under O.Reg. 153/04.

7.2 Potentially Contaminating Activities

The Phase One Environmental Site Assessment identified the following Potentially Contaminating Activities (PCAs) on the Property and within the Study Area. The locations of the PCAs are illustrated in Figure 3.

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
51-75 Bradford Street Phase One Property	#30 – Importation of Fill Material of Unknown Quality	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
51 Bradford Street Phase One Property	#10 – Commercial Autobody Shops	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
55 Bradford Street Phase One Property	#10 – Commercial Autobody Shops	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
51-75 Bradford Street Phase One Property	#53 – Tannery	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
51-75 Bradford Street Phase One Property	#Other 2 – Coal Shed	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
51-75 Bradford Street Phase One Property	#46 – Rail Yards, Tracks and Spurs	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
75 Bradford Street (former 65 Bradford Street) Phase One Property	#59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
75 Bradford Street Phase One Property	#10 – Commercial Autobody Shops	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
75 Bradford Street Phase One Property	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity.
14 High Street (current 10 Checkley Street) Adjacent North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Yes	Up-gradient PCA has potential to cause an APEC on the Property due to onsite historical activity and proximity.
14 High Street (current 10 Checkley Street) Adjacent North	#37 – Operation of Dry Cleaning Equipment (where chemicals are used)	Yes	Up-gradient PCA has potential to cause an APEC on the Property due to onsite historical activity and proximity.
39 Bradford Street (current 45 Bradford Street) Adjacent Northwest	#34 – Metal Fabrication	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity and proximity.
45 Bradford Street (former 12 High Street) Adjacent North	#10 – Commercial Autobody Shops	Yes	PCA has potential to cause an APEC on the Property due to onsite historical activity and proximity.
80 Bradford Street 20 m West	#18 - Electricity Generation, Transformation and Power Stations	Yes	Up-gradient PCA has potential to cause an APEC on the Property due to onsite historical activity and proximity.
82 Bradford Street 20 m West	#10 – Commercial Autobody Shops	Yes	Up-gradient PCA has potential to cause an APEC on the Property due to onsite historical activity and proximity.
82 Bradford Street 20 m West	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Yes	Up-gradient PCA has potential to cause an APEC on the Property due to onsite historical activity and proximity.
1 Victoria Street 203 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
19-21 Bradford Street 110 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
21 Bradford Street 110 m North	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
21 Bradford Street 110 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
25 Bradford Street 75 m North	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
31-33 Bradford Street 25 m North	#10 – Commercial Autobody Shops	No	Cross-gradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
86 Bradford Street (current 34 High Street) 245 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
90 Bradford Street Adjacent South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient PCA across creek. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
90 Bradford Street Adjacent South	#10 – Commercial Autobody Shops	No	Cross-gradient PCA across creek. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
93 Bradford Street Adjacent South	#10 – Commercial Autobody Shops	No	Cross-gradient PCA across creek. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
97 Bradford Street 35 m South	#10 – Commercial Autobody Shops	No	Cross-gradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
100 Bradford Street 20 m Southwest	#10 – Commercial Autobody Shops	No	Cross-gradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
100 Bradford Street 20 m Southwest	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
110 Bradford Street 95 m Southeast	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
111 Bradford Street 140 m South	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
111 Bradford Street 140 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
115 Bradford Street 138 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
115 Bradford Street 138 m South	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
119 Bradford Street 190 m South	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
120 Bradford Street 195 m Southwest	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
18 Vespra Street 100 m South	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
1 Toronto Street 105 m Northeast	#Other 1 – Spills	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
25 Toronto Street 138 m Northeast	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
36 Ellen Street 100 m South	#37 – Operation of Dry Cleaning Equipment (where chemicals are used)	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
34-36 Ellen Street 100 m South	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
55 Lakeshore Drive 95 m Northeast	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
31 Vespra Street 90 m South	#Other 1 – Spills	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
15 – 39 High Street, Simcoe Street, 2-28 Toronto Street 185 m North	#Other 1 – Spills	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
34 Simcoe Street 158 m Northwest	#Other 1 – Spills	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
72 Simcoe Street (current 34 Simcoe Street) 178 m Northeast	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
Vespra & Bradford Streets 138 m Southwest	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
Vespra & Innisfil Streets 138 m Southwest	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
No Address Adjacent East	#46 – Rail Yards, Tracks and Spurs	No	Downgradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
40-44 Ellen Street (current 33-37 Ellen Street) 45 m South	#59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	No	Cross-gradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
40-44 Ellen Street (current 33-37 Ellen Street) 45 m South	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross -gradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
29 High Street (current 2 Lakeshore Drive) Adjacent Northeast	#Other 2 – Coal Shed	No	Downgradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property.

Location of PCA	PCA	Potential APEC (Yes/No)	Justification
29 High Street (current 2 Lakeshore Drive) Adjacent Northeast	#46 – Rail Yards, Tracks and Spurs	No	Downgradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property.
30 Toronto Street (current 28 Toronto Street) 185 m North	#12- Concrete, Cement and Lime Manufacturing	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
101 Dunlap Street (former 30 Toronto Street) 230 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
Intersection of Lakeshore Drive & Toronto Street 35 m East	#Other 1 – Spills	No	Downgradient PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
101 Dunlap Street 230 m North	#10 – Commercial Autobody Shops	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property
101 Dunlap Street 230 m North	#28 – Gasoline and Associated Products Storage in Fixed Tanks	No	Cross-gradient and distant PCA. Ground water impacts, if present, would be unlikely to cause contamination on the Property. The QP does not believe this PCA will cause an APEC on the Property

7.3 Areas of Potential Environmental Concern

The Potentially Contaminating Activities identified in Section 7.2 were evaluated for their potential to create an Area of Potential Environmental Concern on the Phase One Property through consideration of:

- The type of PCA
- The potential magnitude of the PCA (e.g. small-scale waste generation versus significant commercial activity)
- The Potential Contaminants of Concern (PCoC) associated with the PCA
- The nature of those PCoCs in terms of their mobility in soil, ground water, and sediment as applicable
- The anticipated direction of ground water flow
- The anticipated hydraulic conductivity of saturated media
- The distance between the PCA and the Property

The analysis and rationale used to determine that a particular PCA does not create an APEC is provided in Section 7.2. The APECs identified are presented in a form approved by the Director in Appendix B.

The physical area of each APEC is illustrated on Figure 5. Please note that the area illustrated does not necessarily represent the complete potential area of impact, but represents the most likely potential area of impact, and thus represents the area that would first require intrusive investigation in a Phase Two ESA should a Phase Two ESA be conducted.

7.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Model is presented in Appendix C and includes Figures 1 through Figure 5.

7.5 Uncertainty or Absence of Information

A discussion and description of how any uncertainties or absence of information may affect the conclusion as to the presence of any Area of Potential Environmental Concern or the validity of the Phase One Conceptual Site Model is provided in the table below.

Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Fire Insurance Plans	Fire Insurance Plans, which include the Phase One Property, were obtained as part of the investigation. As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM
Chain of Title	Chain of Title dating back to Crown ownership was obtained as part of the investigation. As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM

Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Environmental Reports	All Environmental Reports, available to Terraprobe Inc., were reviewed as part of the investigation. As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM
Environmental Source Information	Environmental Source Information was searched through a combination of Environmental Risk Information Services (ERIS) and Freedom of Information requests (FOI). As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM
Aerial Photographs	Aerial Photographs were obtained from combination federal, provincial, municipal and private sources. The series of air photos selected represent the development of the Phase One Property and Phase One Study Area. As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM
Topography, Hydrogeology and Geology	The Topography, Hydrogeology and Geology were evaluated through available resources from the MNRF as well as Water Well Records. As such, there exists no known void or absence of information for this component	No anticipated effect upon the Phase One CSM
Water Bodies and Areas and Natural Significance	Water Bodies and Areas and Natural Significance were evaluated through available resources from the MNRF, local conservation authorities and the MOECC. As such, there exists no known void or absence of information for this component	No anticipated effect upon the Phase One CSM
Well Records	Well Records through the summary provided by Environmental Risk Information Services (ERIS) as well as the MOECC Water Well Information System (WWIS). As such, there exists no known void or absence of information for this component	No anticipated effect upon the Phase One CSM
Site Reconnaissance	Unrestricted access to the Phase One Property was provide during the Site Reconnaissance. As such, there exists no known void or absence of information for this component	No anticipated effect upon the Phase One CSM
Interviews	Interviews with persons knowledgeable regarding the current and historic environmental condition of the Phase One Property were not conducted. Based on the QP, there exists no known void or absence of information for this component	No anticipated effect upon the Phase One CSM

Based upon the information obtained, as noted above, it is the belief of the QP_{ESA} that there are no significant uncertainties or absence of information that would affect the conclusion as to the presence of an APEC or the validity of the Phase One Conceptual Site Model.

8.0 CONCLUSIONS

8.1 Phase Two ESA Required Before Record of Site Condition

The Potentially Contaminating Activities on the Property and in the Study Area were determined based upon the assessment of the information contained within Section 4.0 Records Review, Section 5.0 Interviews and Section 6.0 Site Reconnaissance of this report. Areas of Potential Environmental Concern were identified for the Phase One Property.

As such, prior to the preparation and submission of a Record of Site Condition, a Phase Two Environmental Site Assessment would be required to investigate the Areas of Potential Environmental Concern for the Contaminants of Concern that have been identified on the Property.

8.2 Record of Site Condition Based on Phase One ESA Alone

Based upon the review and evaluation of the information gathered from the Phase One ESA a Record of Site Condition cannot be filed based upon a Phase One ESA alone.

8.3 Signatures

The Phase One Environmental Site Assessment has been completed under the direction and supervision of Matthew J. Bielaski, P.Eng., QP_{RA}. The findings and conclusions presented in this report have been determined on the basis of the information that was obtained and reviewed, and on an assessment of the existing conditions on the Phase One Property and properties within the Phase One Study Area.

The Phase One Environmental Site Assessment was completed in accordance with Ontario Regulation 153/04 (Records of Site Condition–Part XV.1 of the Environmental Protection Act). The objectives and requirements set out in that Ontario Regulation 153/04, for a Phase One Environmental Site Assessment, were applied in carrying out this environmental site assessment and preparation of the report. The Phase One Environmental Site Assessment met the requirements set out in that Ontario Regulation 153/04.

Suvish Melanta, P.Eng., QP_{ESA}
Environmental Engineer

Matthew J. Bielaski, P.Eng., QP_{RA}
Associate

9.0 REFERENCES

1. Armstrong, D.K. and Dodge, J.E.P. *Paleozoic Geology Map of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release--Data 219.
2. Chapman, L.J. and Putnam, D.F. 2007. *The Physiography of Southern Ontario*. Ontario Geological Survey, Miscellaneous Release--Data 228.
3. Ontario Ministry of the Environment and Climate Change, January 1993. *Ontario Inventory of PCB Storage Sites*. ISBN 0-7778-0836-6.
4. Ontario Ministry of the Environment and Climate Change, June 1991. *Waste Disposal Site Inventory*. ISBN 0-7729-8409-3.
5. The Ontario Geological Survey. 2003. *Surficial Geology of Southern Ontario.*
6. Terraprobe Inc., August 11, 2008. *Phase I Environmental Site Assessment, Proposed Blue Sails Development, PIN58995-554/0565/0031/0030/0276(LT) & PINS 58795-0143(R), Part Lot 24 & 25, Concession 5, Formerly Vespra Township, City of Barrie, Ontario.*
7. Terraprobe Inc., May 28, 2010. *Revised Phase II Environmental Site Assessment, Proposed Blue Sails Development, 51-75 Bradford Street, Barrie, Ontario.*
8. NovaTox Inc. August 31, 2010. *Risk Assessment for 51-75 Bradford Street, Barrie, Ontario – IDS Ref. No. 4730-823K2U.*

10.0 LIMITATIONS AND USE OF THE REPORT

This report was prepared for the exclusive use of FORTRESS KEMPENFELT BAY DEVELOPMENTS INC. (FORTRESS) and is intended to provide an assessment of the environmental condition on the Phase One Property located at located at 51-75 Bradford Street in Barrie, Ontario.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Terraprobe Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report, including consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. The information presented in this report is based on information collected during the completion of the Phase One Environmental Site Assessment by Terraprobe Inc. It was based on the conditions on the Phase One Property at the time of the site inspection supplemented by a review of historical information to assess the environmental conditions regarding the Phase One Property, as reported herein.

Sampling and analysis of soil, ground water or any other material was not carried out as part of this assessment. Consequently, the presence and/or extent of any adverse environmental impact cannot be verified. The potential for environmental liability and/or environmental impact is an opinion that has been arrived at within the scope of this assessment.

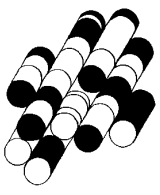
In assessing the environmental conditions/history of the Phase One Property, Terraprobe Inc. has relied in good faith on information provided by others, as noted in this report, and has assumed that the information provided by those individuals is factual and accurate. Terraprobe Inc. accepts no responsibility for any deficiency, misstatement or inaccuracy in this report resulting from the information provided by those individuals.

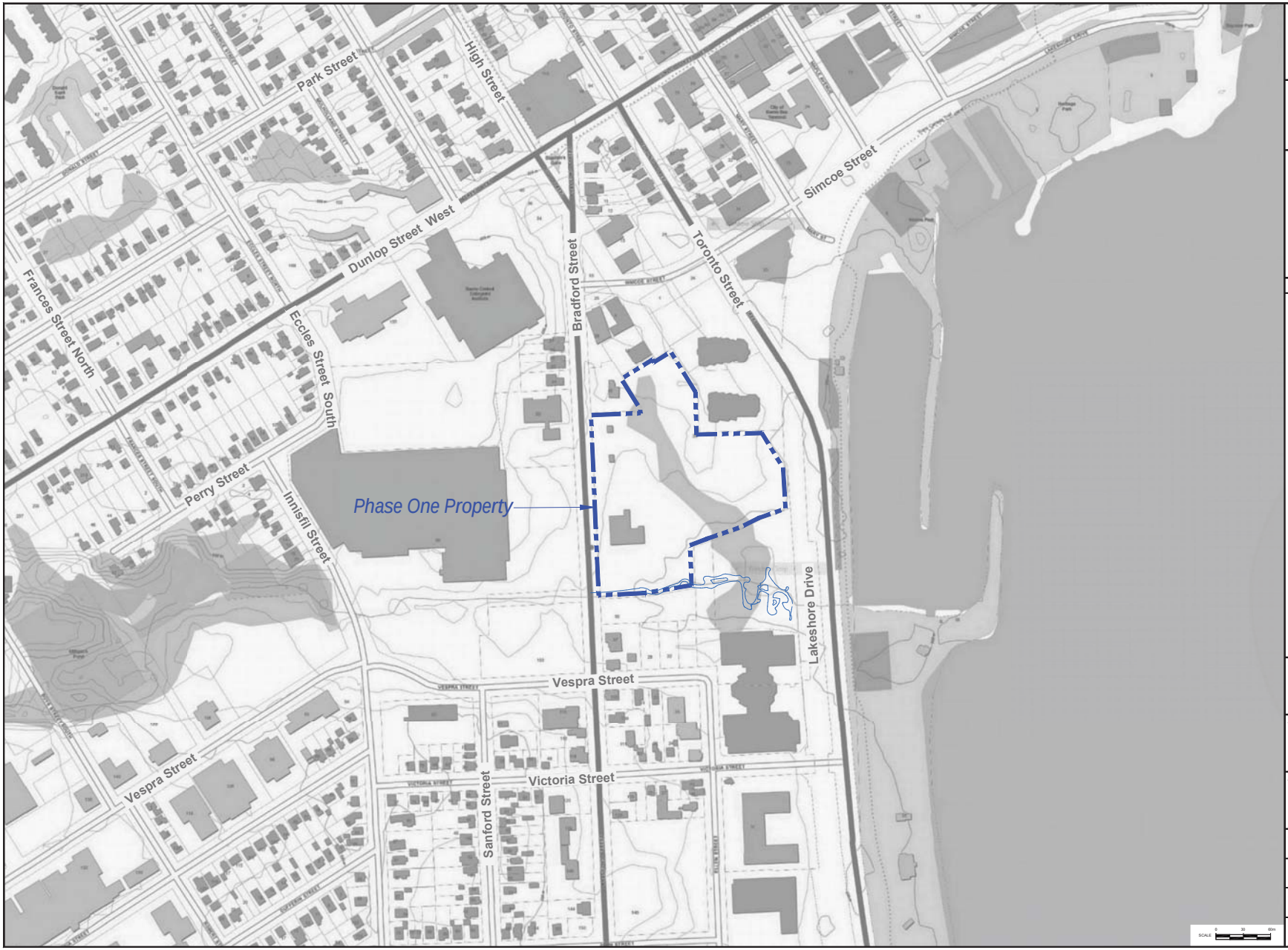
There is no warranty expressed or implied by this report regarding the environmental status of the Phase One Property. Professional judgement was exercised in gathering and analysing information collected by our staff, as well as that submitted by others. The conclusions presented are the product of professional care and competence, and cannot be construed as an absolute guarantee.

In the event that during future work new information regarding the environmental condition of the Phase One Property is encountered, or in the event that the outstanding responses from the regulatory agencies indicate outstanding issues on file with respect to the Phase One Property, Terraprobe Inc. should be notified in order that we may re-evaluate the findings of this assessment and provide amendments, as required.

FIGURES

TERRAPROBE INC.





Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Interactive Maps-
County of Simcoe

Notes:

Legend:

- Phase One Property Boundary
- Watercourse

Project Title:
Phase One Environmental Site Assessment

Site Location:
51-75 Bradford Street,
Barrie, Ontario

Figure Title:
PHASE ONE PROPERTY LOCATION

Designed By: SM	*File No.:* 1-17-0147-41
Drawn By: MV	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 1
Date: July 2017	

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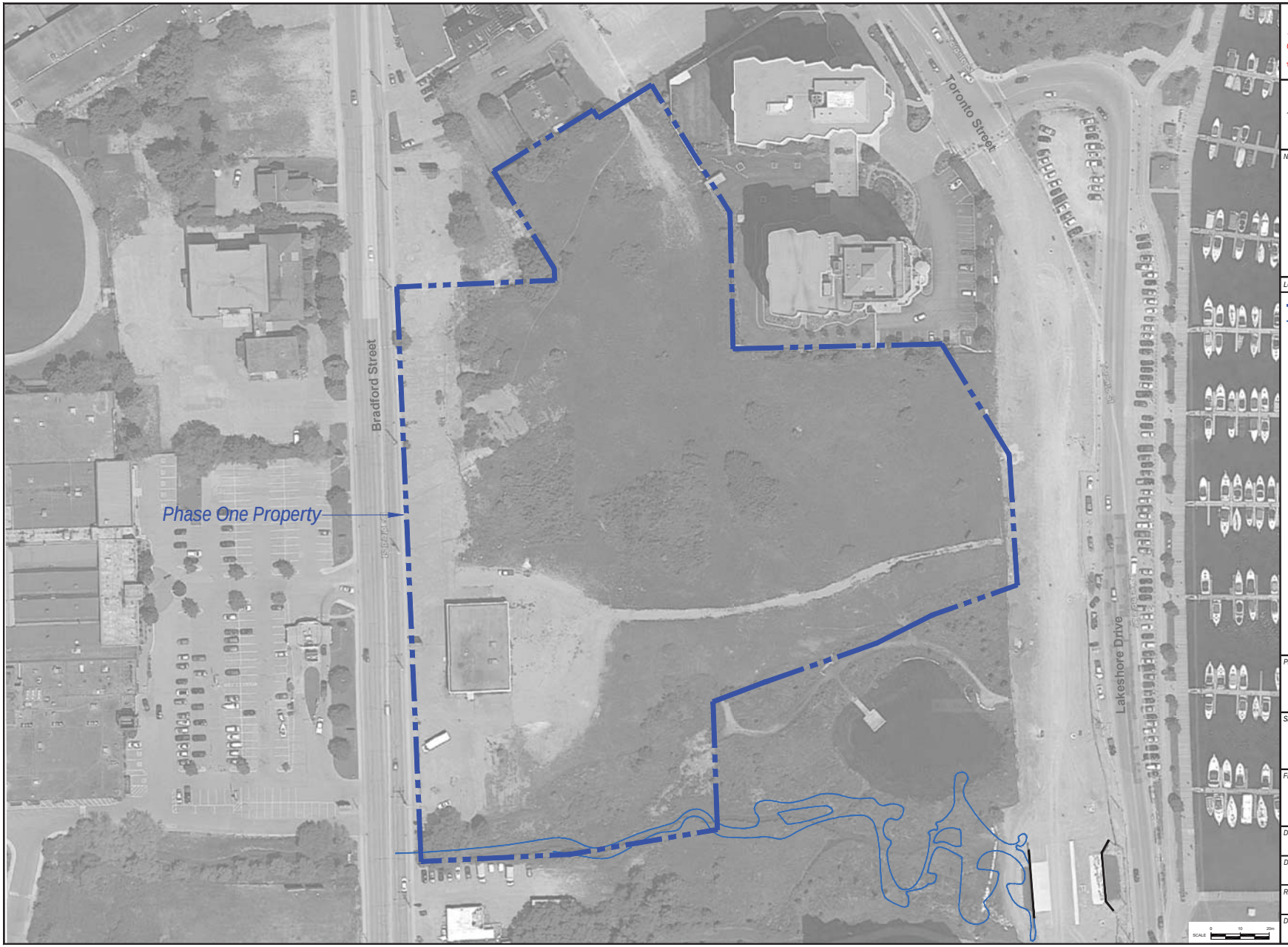

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11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Title: Plan of Lots A, B, C, D, E, F, G & 11, Registered Plan M-204, City of Toronto
Client: Fortress Kempen felt Bay Developments Inc.
File No: 9372
Prepared By: CDN Land Surveyors Inc., OLS
Dated: January 21, 2008

Notes:

Legend:

Phase One Property Boundary
Watercourse

Project Title:
Phase One Environmental Site Assessment

Site Location:
51-75 Bradford Street,
Barrie, Ontario

Figure Title:
PHASE ONE PROPERTY

Designed By: SM	*File No.:* 1-17-0147-41
Drawn By: MV	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 2
Date: July 2017	

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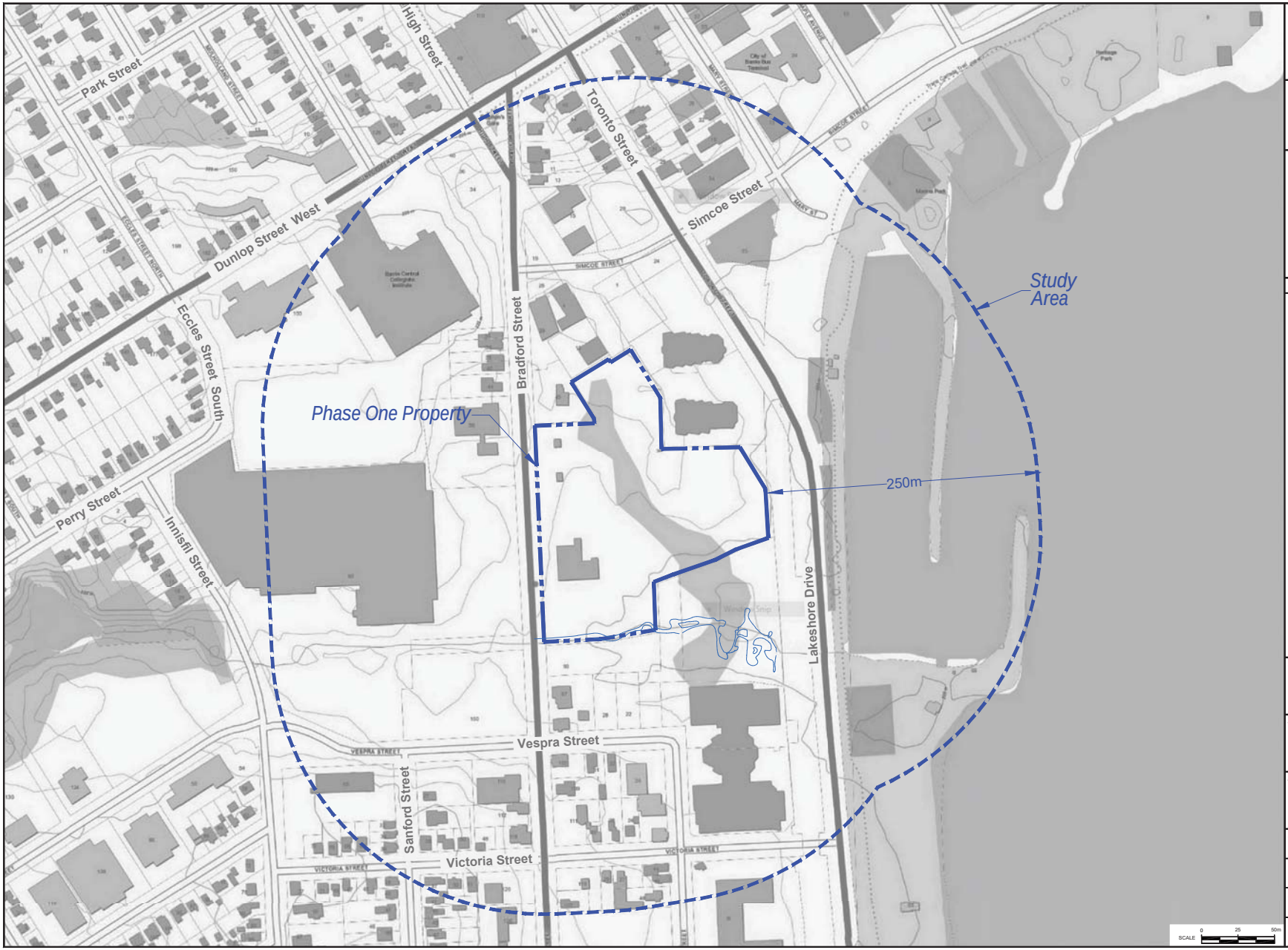

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Reference:
Interactive Maps-
County of Simcoe

Notes:

Legend:

- Phase One Property Boundary
- Phase One Study Area
- Watercourse

Project Title:
Phase One Environmental Site Assessment

Site Location:
51-75 Bradford Street,
Barrie, Ontario

Figure Title:
PHASE ONE STUDY AREA

Designed By: SM	*File No.:* 1-17-0147-41
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Date: July 2017	

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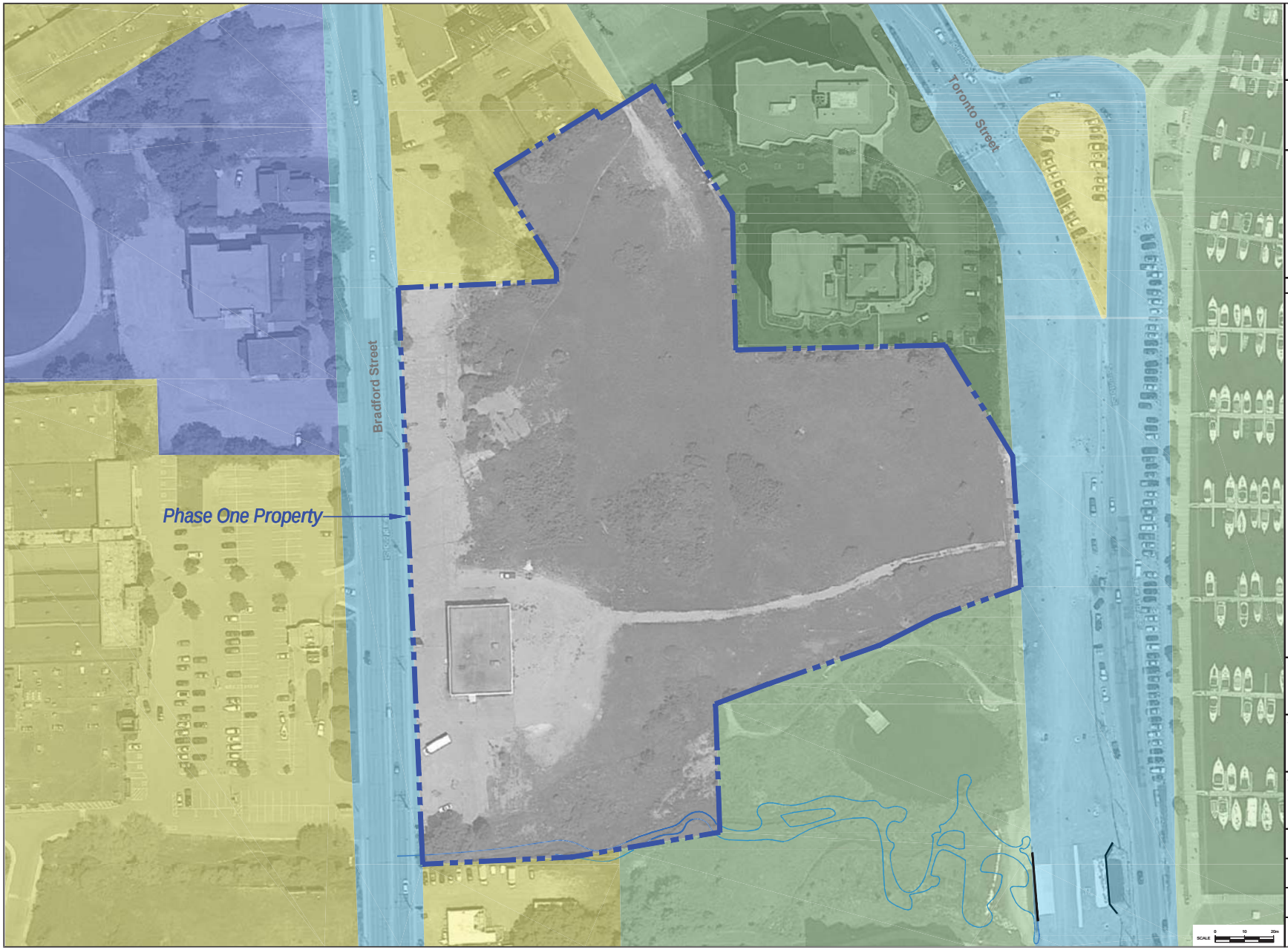

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Reference:
Google Earth 2017

Notes:

Legend:

- Phase One Property Boundary
- Phase One Study Area
- Watercourse
- Residential Land Use
- Community Land Use (Roads)
- Commercial Land Use
- Parkland Use
- Institutional Land Use

Project Title:
Phase One Environmental Site Assessment

Site Location:
51-75 Bradford Street,
Barrie, Ontario

Figure Title:
ADJACENT PROPERTY LAND USES

Designed By: SM	*File No.:* 1-17-0147-41
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Date: July 2017	

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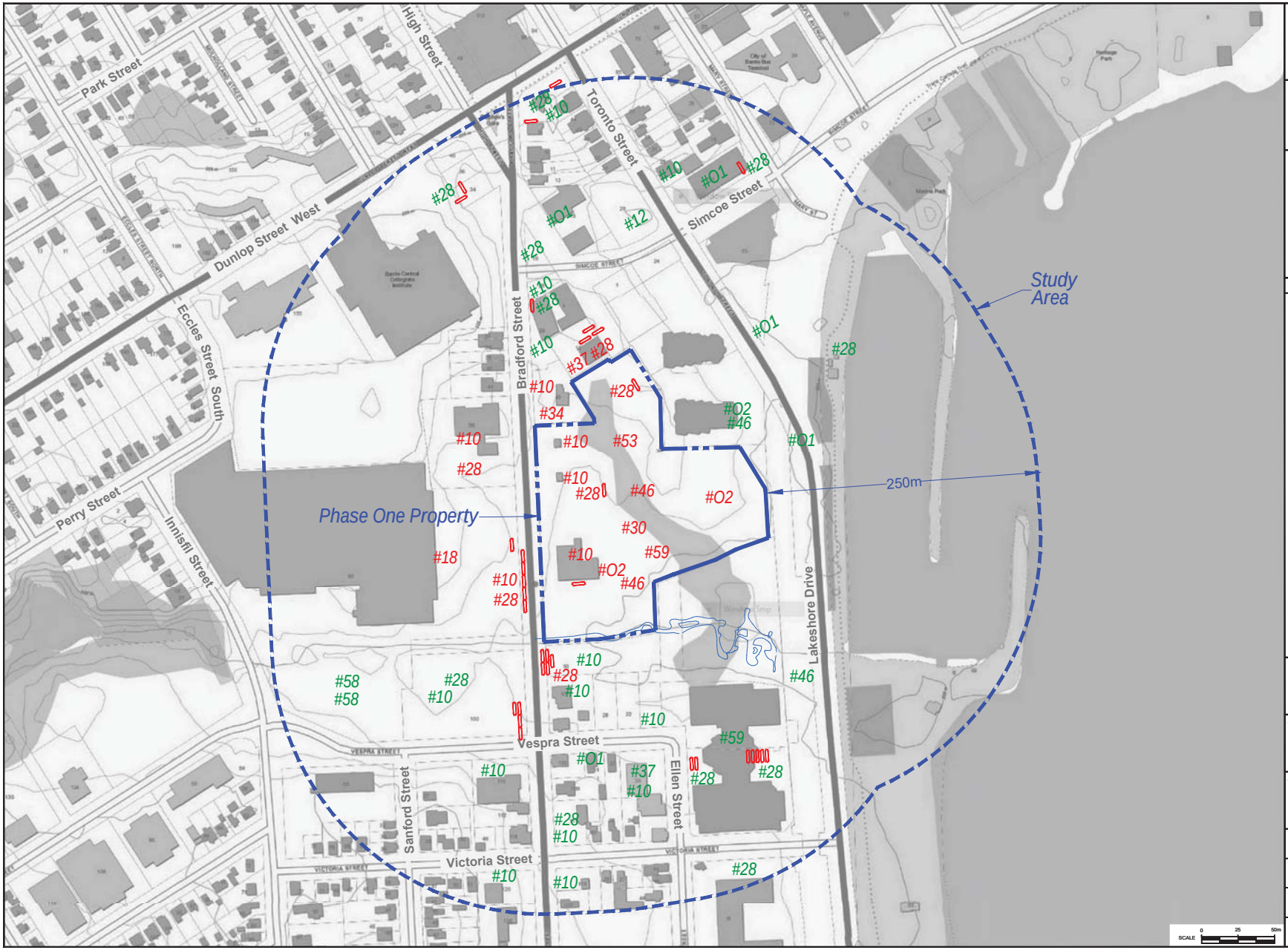

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Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Interactive Maps-
County of Simcoe

Notes:

PCA - Potentially Contaminating Activity

#00 PCA Causing APEC

#00 PCA Not Causing APEC

Legend:

	Phase One Property Boundary
	Phase One Study Area, 250m
#O1	Ontario Spills
#O2	Coal Shed
#10	Commercial Body Shops
#12	Concrete, Cement and Lime Manufacturing
#18	Electric Generation, Transformation and Power Stations
#28	Gasoline and Associated Products Storage in Fixed Tanks
#30	Importation of Fill Material of Unknown Quality
#34	Metal Fabrication
#37	Operation of Dry Cleaning Equipment (where chemicals are used)
#46	Rail Yards, Tracks and Spurs
#53	Tannery
#58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
#59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
	Tanks

Project Title:
Phase One Environmental Site Assessment

Site Location:
51-75 Bradford Street,
Barrie, Ontario

Figure Title:
PCA LOCATIONS

Designed By: SM	*File No.:* 1-17-0147-41
Drawn By: MV	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 5
Date: July 2017	

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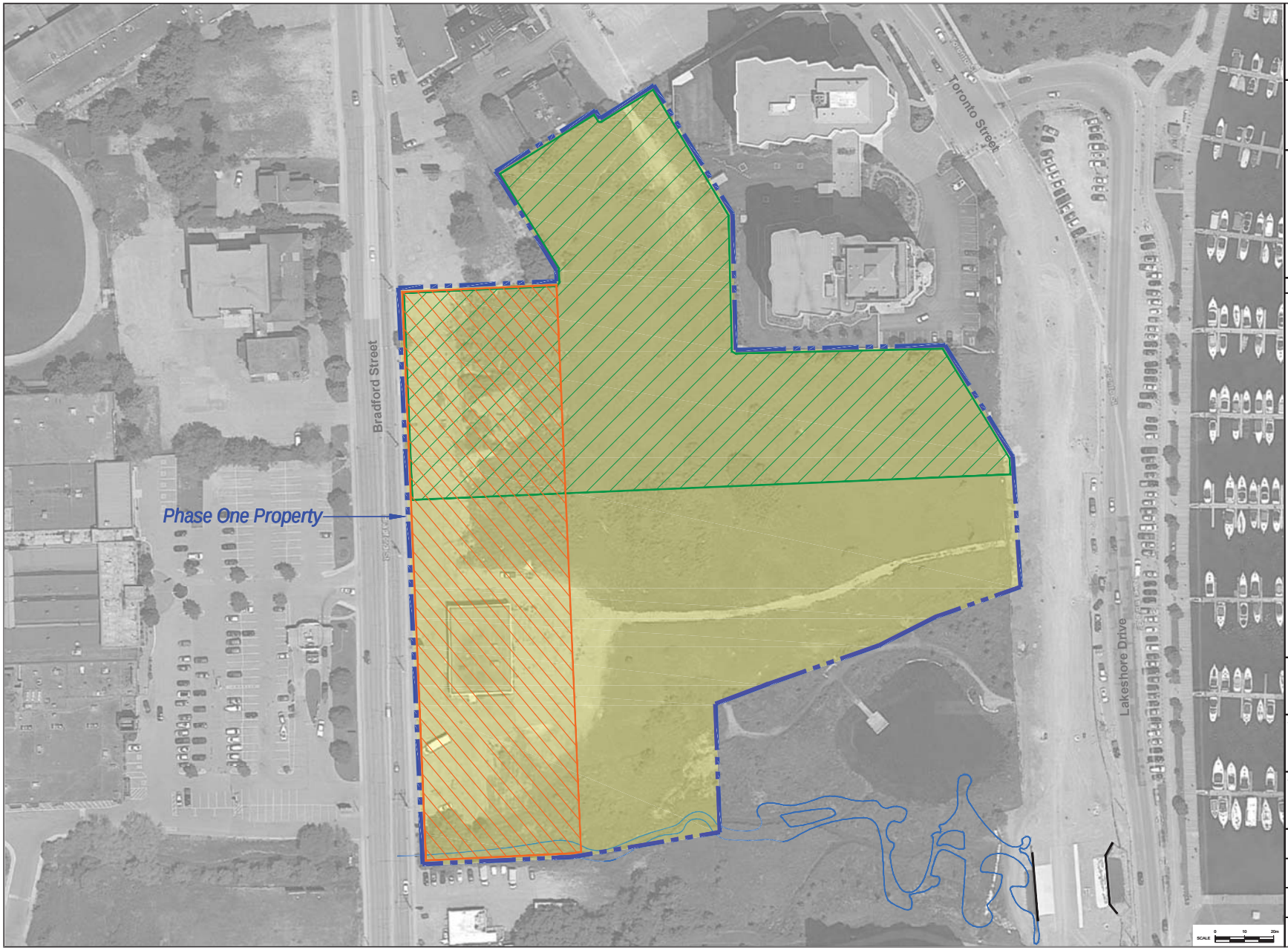

Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Google Earth 2017

Notes:
APEC - Area of Potential Environmental Concern

Legend:
- Phase One Property Boundary
- Watercourse
- APEC 1, 3, 4
- APEC 7, 8
- APEC 2, 5, 6

Project Title:
Phase One Environmental Site Assessment

Site Location:
51-75 Bradford Street,
Barrie, Ontario

Figure Title:
APEC LOCATIONS

Designed By: SM	*File No.:* 1-17-0147-41
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Reviewed By: MB	*Figure No.:* 6
Date: July 2017	

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APPENDIX A

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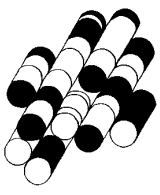

TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY
(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)
Project #: 1-17-0147
Address: 51 Bradford Street, Barrie

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2016 to Present	Fortress Kempenfelt Bay Developments Inc.	Vacant	Commercial	2016 SI - No significant change
2012 to 2016	Wayne Safety Limited et. al. (Mortgagee)			2013 SI - No significant change
2012 to 2012	Blue Simcoe Developments Inc. (Mortgagee)			No observation
2012 to 2012	Harmony Village-Lake Simcoe Inc.			No observation
2008 to 2012	1662894 Ontario Limited			No observation
1994 to 2008	816996 Ontario Limited / Maybelle Holdings Corp.	Automobile service garages to 2006, then vacant property		2006 SI – Vacant 1998/99 CD – Utopia Auto Sales & U-Haul (51)/ / Not Listed (55)/ No significant change (75)
1986 to 1994	The Municipal Savings & Loan Corp. (Mortgagee) / Orval Frederick Jackson & Joanne Jackson Defaulted in Mtg #RO1078326			1993-94 CD – Wagner's Service Centre 1989 CD – ELM Auto Sales & Leasing
1985 to 1986	629508 Ontario Ltd.	Tannery	Industrial	No observation
1935 to 1985	Barrie Tanning Limited			1982 CD – Not Listed 1974 - No significant change 1971 FIP - No significant change 1966 - No significant change 1962 AP - No significant change 1961 CD - No significant change 1952 CD – Barrie Tanning Ltd. 1946 AP – Tannery buildings
1935 to 1935	The Barrie Tanning Co. Ltd.			No observation
1900 to 1935	The Barrie Tanning Company Limited			1923 FIP – No significant change 1917 FIP - Barrie Tanning Co. Limited
1838 to 1900	Robert Ross - Estate	Agricultural or Undeveloped	Agriculture or Other	No observation
1836 to 1838	Richard Cobb			No observation
1833 to 1836	David Edgar			No observation
Prior to 1833	Crown Ownership	Crown Ownership	Agriculture or Other	No observation

Notes:
SI is satellite imagery
AP is aerial photograph
CD is city directory
FIP is fire insurance plan
HM is Historic Map
OBM is Ontario Base Map

TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY
(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)
Project #: 1-17-0147
Address: 55 Bradford Street, Barrie

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2016 to Present	Fortress Kempenfelt Bay Developments Inc.	Vacant property	Commercial	2016 SI - No significant change
2012 to 2016	Wayne Safety Limited et. al.			2013 SI - No significant change
2012 to 2012	Blue Simcoe Developments Inc. (Mortgagee)			No other observations
2012 to 2012	Harmony Village-Lake Simcoe Inc.			No other observations
2008 to 2012	1662893 Ontario Inc.			No other observations
1996 to 2008	796531 Ontario Limited / Rodann Investments Inc.			2006 SI – Vacant 1998/99 CD – Not Listed
1986 to 1996	French Motors (Barrie) Ltd.	Automobile service garages		1993-94 CD – Deal On Wheels & Central Automotive Sales 1989 CD – Not Listed
1985 to 1986	629508 Ontario Ltd.	Tannery	Industrial	No other observations
1935 to 1985	Barrie Tanning Limited			1982 CD – Not Listed 1974 - No significant change 1971 FIP - No significant change 1966 - No significant change 1962 AP - No significant change 1961 CD - No significant change 1952 CD – Barrie Tanning Ltd. 1946 AP – Tannery buildings
1931 to 1935	George Cameron & Harry Ellis c.o.b. as Cameron & Ellis			No other observations
1931 to 1931	Mickle Dyment & Son Limited			No other observations
1908 to 1931	Charles Mickle & Simon Dyment			1923 FIP – No significant change 1917 FIP - Barrie Tanning Co. Limited
1908 to 1908	Henry Jamieson	Agricultural or Undeveloped	Agriculture or Other	No other observations
1904 to 1908	James Cheesman			No other observations
1901 to 1904	Alfred Morris & Benjamin Parker			No other observations
1900 to 1901	Marry A. Ross			No other observations
1838 to 1900	Robert Ross - Estate			No other observations
1836 to 1838	Richard Cobb			No other observations
1833 to 1836	David Edgar			No other observations
Prior to 1833	Crown Ownership	Crown Ownership	Agriculture or Other	No other observations

Notes:
SI is satellite imagery
AP is aerial photograph
CD is city directory
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TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY

(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

Project #: 1-17-0147

Address: 75 Bradford Street, Barrie

Legal Description: Lot 90 w/s High St; Pt lot 65 e/s High St Plan 115; Pt lots 24 & 25 Con 5

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2016 to Present	Fortress Kempenfelt Bay Developments Inc.	Automobile service garages	Commercial	2016 SI - No significant change
2012 to 2016	Wayne Safety Limited et. al.			2013 SI - No significant change
2012 to 2012	Harmony Village-Lake Simcoe Inc.			No other observations
2008 to 2012	Blue Simcoe Developments Inc. (Mortgagee)			No other observations
1988 to 1988	Lorne Investments (Sudbury) Ltd.			No other observations
1985 to 2008	629528 Ontario Ltd.			2006 SI – Commercial building (75) 1998/99 CD – No significant change 1993-94 CD – Barrie Auto Sales & Huronia Tie and Auto Service Centre 1989 CD – Auto Sales
1935 to 1985	Barrie Tanning Ltd.	Tannery	Industrial	1982 CD – Not Listed 1974 - No significant change 1971 FIP - No significant change 1966 - No significant change 1962 AP - No significant change 1961 CD - No significant change 1952 CD – Barrie Tanning Ltd. 1946 AP – Tannery buildings
1912 to 1935	The Barrie Tanning Company Ltd.			1923 FIP – No significant change 1917 FIP - Barrie Tanning Co. Limited
1872 to 1912	James R. Burton - Estate	Agricultural or Undeveloped	Agriculture or Other	No other observations
1872 to 1872	William Ardagh			No other observations
1872 to 1872	Trinity College			No other observations
Prior to 1872	Crown Ownership	Crown Ownership	Agriculture or Other	No other observations

Notes:

SI is satellite imagery

AP is aerial photograph

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FIP is fire insurance plan

HM is Historic Map

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TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY

(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

Project #: 1-17-0147

Address: 75 Bradford Street, Barrie

Legal Description: Pt lot 24 Con 5 Innisfil & Lot 115, 116 & Pt lot 117 Robert Ross Plan desig. As Part 3, 51 R36217

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2016 to Present	Fortress Kempenfelt Bay Developments Inc.	Automobile service garages	Commercial	2016 SI - No significant change
2012 to 2016	Wayne Safety Limited et. al. (Mortgagee)			2013 SI - No significant change
2012 to 2012	Harmony Village-Lake Simcoe Inc.			No other observations
2008 to 2012	Blue Simcoe Developments Inc.			No other observations
1996 to 2008	796531 Ontario Ltd., in trust / Rodann Investments Inc.			2006 SI – Commercial building 1998/99 CD – No significant change
1986 to 1996	French Motors (Barrie) Ltd.			1993-94 CD – Barrie Auto Sales & Huronia Tie and Auto Service Centre 1989 CD – No significant change
1985 to 1986	629508 Ontario Ltd.			No other observations
1935 to 1985	Barrie Tanning Limited	Coal yard and wood treatment facility to 1961 then automobile service garages	Industrial to 1961 then Commercial	1982 CD – No significant change 1974 - No significant change 1971 FIP - Auto Sales 1966 - No significant change 1962 AP - No significant change 1961 CD - French Motors 1952 CD – Not Listed 1946 AP – Coal shed building
1935 to 1935	Barrie Tanning Co. Limited	Coal yard and wood treatment facility	Industrial	No other observations
1931 to 1935	George Cameron & Harry Ellis c.o.b. as Cameron & Ellis			No other observations
1931 to 1931	Mickle Dyment & Son Limited			No other observations
1908 to 1931	Charles Mickle & Simon Dyment			1923 FIP – No significant change 1917 FIP - Mickle Dyment & Co Coal & Wood Yard
1908 to 1908	Henry Jamieson	Agricultural or Undeveloped	Agriculture or Other	No other observations
1904 to 1908	James Cheesman			No other observations
1901 to 1904	Alfred Morren & Benjamin Parker			No other observations
1900 to 1935	The Barrie Tanning Company Ltd.			No other observations
1900 to 1901	Marry A. Ross			No other observations
1838 to 1900	Robert Ross - Estate			No other observations
1836 to 1838	Richard Cobb			No other observations
1833 to 1836	David Edgar			No other observations
Prior to 1833	Crown Ownership	Crown Ownership	Agriculture or Other	No other observations

Notes:

SI is satellite imagery

AP is aerial photograph

CD is city directory

FIP is fire insurance plan

HM is Historic Map

OBM is Ontario Base Map

TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY

(Refer to clause 16(2)(b), Schedule D, O. Reg. 153/04)

Project #: 1-17-0147

Address: 75 Bradford Street, Barrie

Legal Description: Pt lots 24 & 25 Con 5 Innisfil & Pt lot 117 & 118 Robert Ross Plan Design. As Parts 2, 4 & 5, 51R36217

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2016 to Present	Fortress Kempenfelt Bay Developments Inc.	Automobile service garages	Commercial	2016 SI - No significant change
2012 to 2016	Wayne Safety Limited et. al.			2013 SI - No significant change
2012 to 2012	Blue Simcoe Developments Inc. (Mortgagee)			No other observations
2012 to 2012	Harmony Village-Lake Simcoe Inc.			No other observations
2008 to 2012	Perfect Northern Developments Corporation / Limited			No other observations
1996 to 2008	Howard Roederick McKay & Valerie Ann McKay			2006 SI – Commercial building 1998/99 CD – No significant change
1952 to 1996	Charles Philip John French	Coal yard and wood treatment facility to 1961 then automobile service garages	Industrial to 1961 then Commercial	1993-94 CD – Barrie Auto Sales & Huronia Tie and Auto Service Centre 1989 CD – No significant change 1982 CD – No significant change 1974 - No significant change 1971 FIP - Auto Sales 1966 - No significant change 1962 AP - No significant change 1961 CD - French Motors 1952 CD – Not Listed
1948 to 1952	Cameron, Ellis, Gibson Limited	Coal yard & wood treatment facility	Industrial	No other observations
1931 to 1948	George Cameron & Harry Ellis			1946 AP – Coal shed building
1931 to 1931	Mickle Dyment & Son Limited			No other observations
1908 to 1931	Charles Mickle & Simon Dyment			1923 FIP – No significant change 1917 FIP - Mickle Dyment & Co Coal & Wood Yard
1908 to 1908	Henry Jamieson	Agricultural or Undeveloped	Agriculture or Other	No other observations
1904 to 1908	James Cheesman			No other observations
1901 to 1904	Alfred Morren & Benjamin Parker			No other observations
1900 to 1901	Mary Ross			No other observations
1836 to 1838	Richard Cobb			No other observations
1832 to 1900	Robert Ross			No other observations
1833 to 1836	David Edgar			No other observations
1821 to 1832	James Chewett			No other observations
Prior to 1833	Crown Ownership			No other observations
Prior to 1821	Crown Ownership	Crown Ownership	Agriculture or Other	No other observations

Notes:

SI is satellite imagery

AP is aerial photograph

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OBM is Ontario Base Map

APPENDIX B

TERRAPROBE INC.

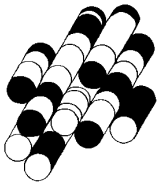


TABLE OF AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
(Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Potential Contaminants of Concern	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC 1	Entire Phase One Property	#30 – Importation of Fill Material of Unknown Quality #Other2 - Coal Yard	On-site	Metals As, Sb, Se EC SAR B-HWS Cl CN- Hg Cr(VI) Low or high pH Na PAHs	Soil & Ground Water Soil & Ground Water Soil Soil Soil Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Ground Water Soil & Ground Water
APEC 2	North Portion of Phase One Property	#10 – Commercial Autobody Shops #53 – Tannery #28 – Gasoline and Associated Products Storage in Fixed Tanks #46 – Rail Yards, Tracks and Spurs	On-site	Metals As, Sb, Se B-HWS CN- Hg Cr(VI) Low or high pH PAHs PHCs VOCs BTEX	Soil & Ground Water Soil & Ground Water Soil Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water
APEC 3	Entire Phase One Property	#10 – Commercial Autobody Shops #53 – Tannery #28 – Gasoline and Associated Products Storage in Fixed Tanks #46 – Rail Yards, Tracks and Spurs	On-site	Metals As, Sb, Se B-HWS CN- Hg Cr(VI) Low or high pH PAHs PHCs VOCs BTEX	Soil & Ground Water Soil & Ground Water Soil Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water
APEC 4	Entire Phase One Property	#10 – Commercial Autobody Shops #28 – Gasoline and Associated Products Storage in Fixed Tanks #53 – Tannery #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products #Other2 - Coal Yard #46 – Rail Yards, Tracks and Spurs	On-site	Metals As, Sb, Se B-HWS CN- Hg Cr(VI) Low or high pH PAHs PHCs VOCs BTEX	Soil & Ground Water Soil & Ground Water Soil Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water Soil & Ground Water
APEC 5	North Portion of Phase One Property	#10 – Commercial Autobody Shops #34 – Metal Fabrication	Off-site	Metals PHCs VOCs BTEX	Ground Water Ground Water Ground Water Ground Water
APEC 6	North Portion of Phase One Property	#28 – Gasoline and Associated Products Storage in Fixed Tanks #37 – Operation of Dry Cleaning Equipment (where chemicals are used)	Off-site	PHCs VOCs BTEX	Ground Water Ground Water Ground Water
APEC 7	East portion of Phase One Property	#18 - Electricity Generation, Transformation and Power Stations	Off-site	PHCs VOCs BTEX PCBs	Ground Water Ground Water Ground Water Ground Water
APEC 8	East portion of Phase One Property	#28 – Gasoline and Associated Products Storage in Fixed Tanks	Off-site	PHCs VOCs BTEX	Ground Water Ground Water Ground Water

Notes:

1 - Area of Potential Environmental Concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,

(a) identification of past or present uses on, in or under the phase one property, and

(b) identification of potentially contaminating activity.

2 - Potentially Contaminating Activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

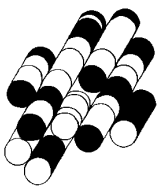
3 - when completing this column, identify all contaminants of potential concern using the Method Groups as identified in the Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

ABNs	Metals
CPs	As, Sb, Se
1,4-Dioxane	Na
Dioxins/Furans, PCDDs/PCDFs	B-HWS
OCs	Cl-
PHCs	CN-
PCBs	Electrical Conductivity
PAHs	Cr (VI)
THMs	Hg
VOCs	Methyl Mercury
BTEX	Low or high pH,
Ca, Mg	SAR

4 - when submitting a record of site condition for filing, a copy of this table must be attached

APPENDIX C

TERRAPROBE INC.



PHASE ONE CONCEPTUAL SITE MODEL

51-75 BRADFORD STREET, BARRIE, ON

Phase One CSM		Information Pertaining to Property
Figures of the Phase One Study Area are provided that:		
i.	Show any existing buildings and structures,	Existing buildings and structures are shown on Figure 2.
ii.	Identify and locate water bodies located in whole or in part on the Phase One Study Area	The closest water body to the Phase One Property is the Bunkers Creek, which is located along the southern property boundary. All water bodies on the Phase One Property and in the Phase One Study Area are shown on Figure 1.
iii.	Identify and locate any Areas of Natural Significance located in whole or in part on the Phase One Study Area	Terraprobe reviewed the Ontario Ministry of Natural Resources and Forestry NHIC database for natural area listings. No Areas of Natural Significance were located in the Phase One Study Area.
iv.	Locate any drinking water wells at the Phase One Property	No drinking water wells were identified on the Property during the site inspection. Four (4) records for monitoring/industrial wells on the Property were found in the MOECC Water Well Information System (WWIS).
v.	Show roads, including names, within the Phase One Study Area	The Property is bounded to the east by Lakeshore Drive and west by Bradford Street. Other roads and properties within the Study Area are presented on Figure 3.
vi.	Show use of properties adjacent to the Phase One Property	The Land Uses of the adjacent properties are shown on Figure 4.
vii.	Identify and locate area where any potentially contaminating activity has occurred, and show tanks in such areas	Potentially Contaminating Activities (PCAs) located on the Property and within the Study Area are shown on Figure 5.
viii.	Identify and locate any areas of potential environmental concern	Eight (8) Areas of Potential Environmental Concern (APECs) and associated Potential Contaminants of Concern are described on the Table of Areas of Potential Environmental Concern. The location of the APECs on the Phase One Property are shown on Figure 6.
The following is a description and assessment of:		
i.	Any areas where potentially contaminating activity on or potentially affecting the Phase One Property has occurred,	51-75 Bradford Street • Phase One Property • #30 – Importation of Fill Material of Unknown Quality • #Other2 - Coal Yard

Phase One CSM	Information Pertaining to Property
	51 Bradford Street • Phase One Property • #10 – Commercial Autobody Shops • #53 – Tannery • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #46 – Rail Yards, Tracks and Spurs 55 Bradford Street • Phase One Property • #10 – Commercial Autobody Shops • #53 – Tannery • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #46 – Rail Yards, Tracks and Spurs 75 Bradford Street • Phase One Property • #10 – Commercial Autobody Shops • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #53 – Tannery • #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products • #Other2 - Coal Yard • #46 – Rail Yards, Tracks and Spurs 45 Bradford Street • Adjacent to Northwest • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #37 – Operation of Dry Cleaning Equipment (where chemicals are used) 80 Bradford Street • 20 m West • #18 - Electricity Generation, Transformation and Power Stations 82 Bradford Street • 20 m West • #28 – Gasoline and Associated Products Storage in Fixed Tanks

Phase One CSM		Information Pertaining to Property
ii.	Any contaminants of potential concern	Potential Contaminants of Concern (PCoCs) identified the Property include: • Metals in soil and ground water • As, Sb, Se in soil and ground water • EC in soil • SAR in soil • B-HWS in soil • Cl in ground water • CN- in soil and ground water • Hg in soil and ground water • Cr(VI) in soil and ground water • Low or high pH in soil and ground water • Na in ground water • PAHs in soil and ground water • PHCs in soil and ground water • VOCs in soil and ground water • BTEX in soil and ground water • PCB in soil
iii.	The potential for underground utilities, if any present, to affect contaminant distribution and transport,	There are electrical overhead wires, gas and water lines on the Property. There is not the potential for underground utilities to affect the horizontal distribution or transport of contaminants potentially, due to the location of the utilities.
iv.	Available regional or site specific geological and hydrogeological information,	Topography • The approximate elevation of the Property is 220 masl. Hydrogeology • The nearest water body is Bunkers Creek which is located along the southern Property boundary. The creek drains into Lake Simcoe which is located 65 m east of the Property. The approximate depth to ground water, based on Water Well Records in the local area, is expected to be 0.5 m to 3 m. Ground water and surface water is expected to flow to the east. Geology (overburden) • The overburden consists of undifferentiated sand, gravel, minor silt and clay i.e. foreshore and basinal deposits (9c coarse-textured glaciolacustrine deposits) Geology (bedrock) • The bedrock on the Property is of the Shadow Lake Formation, which is comprised of limestone, dolstone, shale, arkose and sandstone (54a) Geology (depth to bedrock) • Based upon historic borehole and water well information, the depth to bedrock in the area of the Property is beyond 50 m.

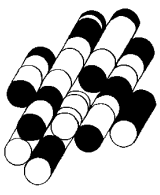
Phase One CSM	Information Pertaining to Property
v. How any uncertainty or absence of information obtained in each of the components of the Phase One ESA could affect the validity of the model.	No uncertainty was encountered while conducting the Phase One ESA that could affect the validity of the model.

Figures:

Figure 1 – Phase One Property Location
Figure 2 – Phase One Property
Figure 3 – Phase One Study Area
Figure 4 – Adjacent Property Land Uses
Figure 5 – PCA Locations
Figure 6 – APEC Locations

APPENDIX D

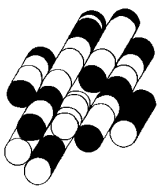
TERRAPROBE INC.

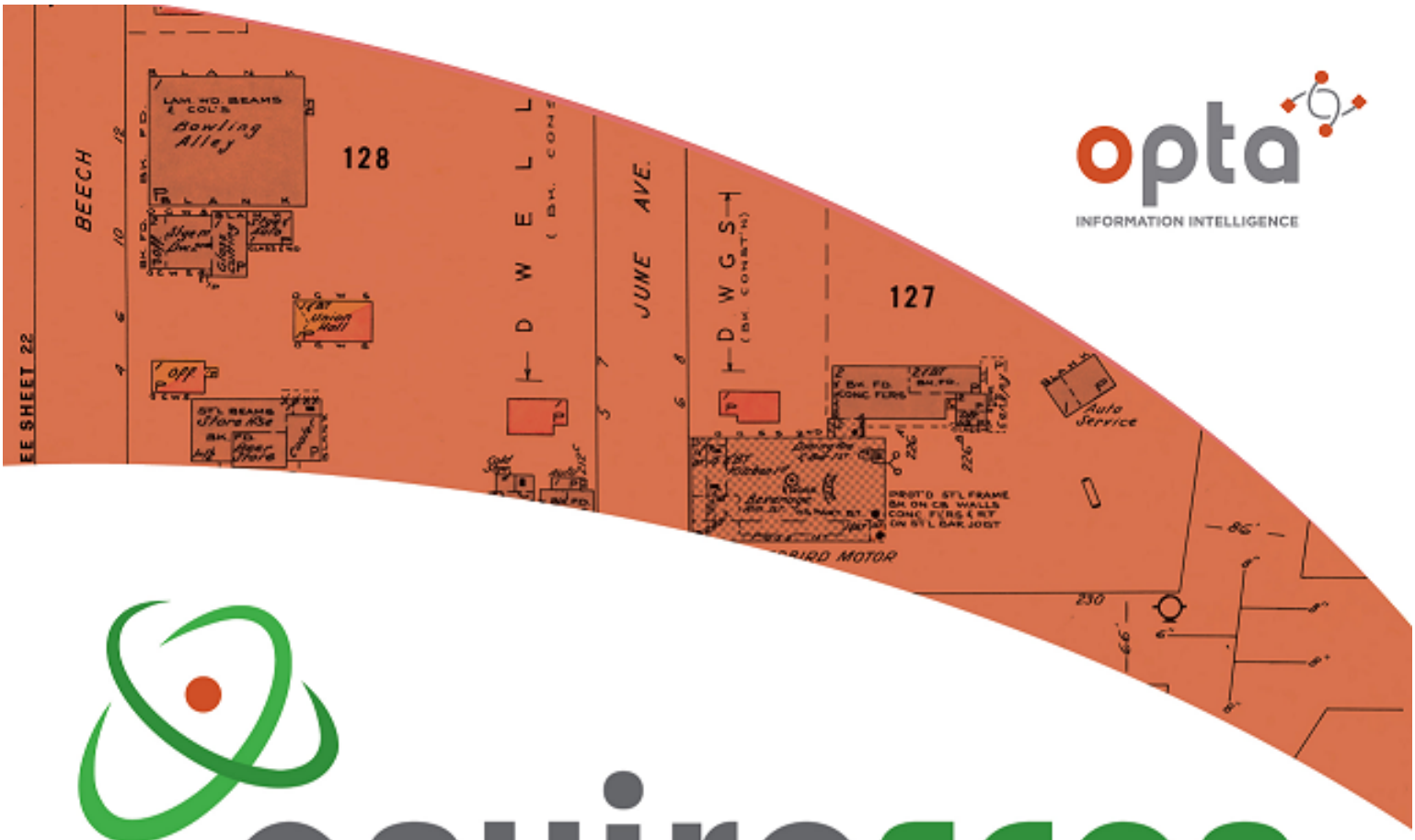


A Site Survey was not available for the Property

APPENDIX E

TERRAPROBE INC.





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:

75 Bradford St,,Barrie

Project No:

20170315162

Opta Order ID:

34279

Requested by:

Eleanor Goolab
ERIS

Date Completed:

3/22/2017 8:04:56 AM

Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

Search Area: 75 Bradford St,,Barrie

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

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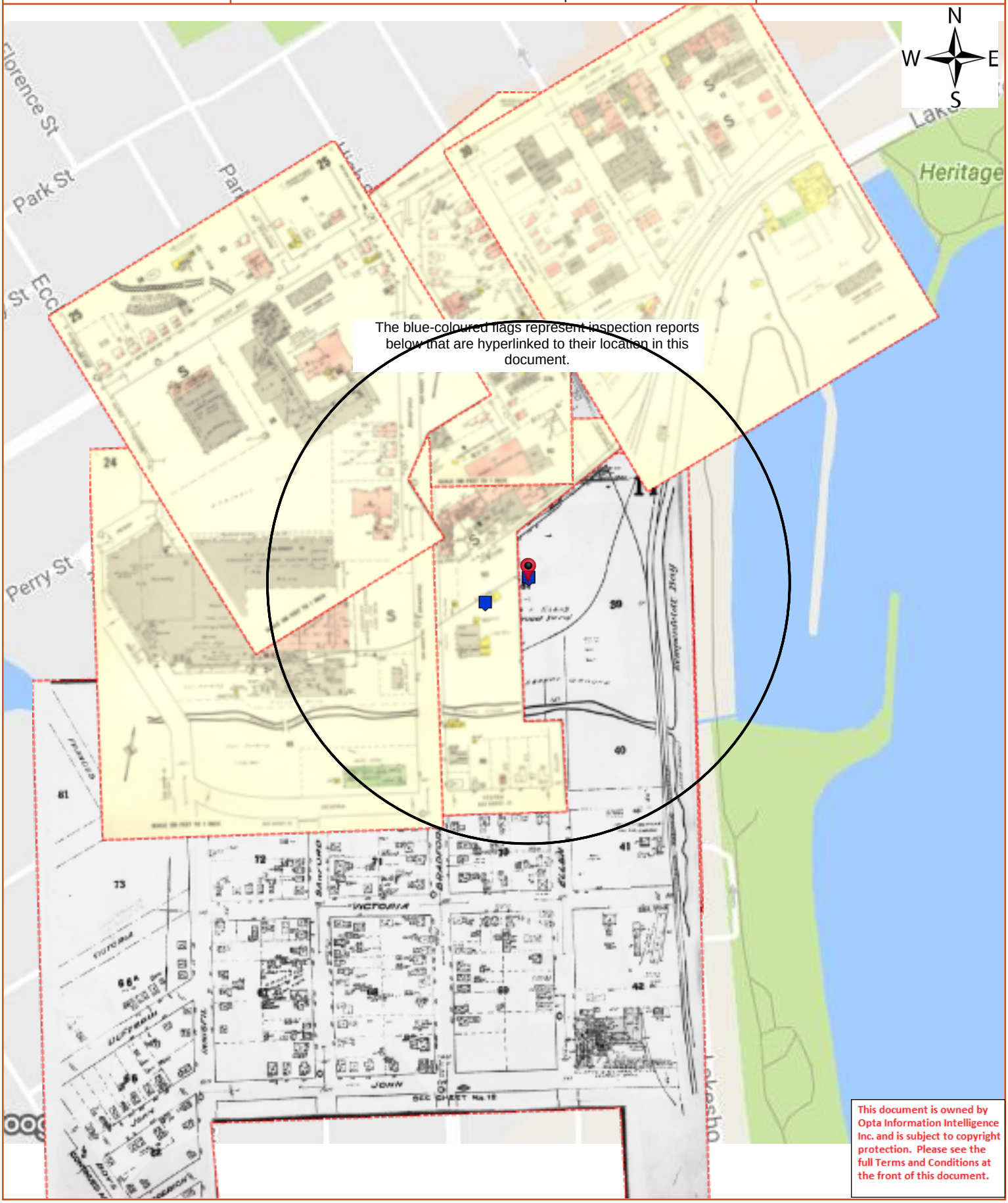

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Entire Agreement

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

OPTA INFORMATION INTELLIGENCE

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8	(1917) Volume: Ontario Firemap: 19
10	(1946) Volume: Ontario Firemap: 11
12	(1971) Volume: Barrie Firemap: 23
14	(1971) Volume: Barrie Firemap: 23
16	(1971) Volume: Barrie Firemap: 24
18	(1971) Volume: Barrie Firemap: 25
20	(1971) Volume: Barrie Firemap: 30
21	(2000) Multirisk Report - 2000 HURONIA TIRE AND AUTO 75 BRADFORD ST BARRIE ON L4N 3A7 Reference No: 10694361 (distance = 96 metres*)
30	(1977) FIRE INSPECTION & RATE CALCULATION Report - 1977 75 Bradford St Barrie ON e (distance = 0 metres*)
34	(1977) Siteplan Report - 1977 75 Bradford St Barrie ON e (distance = 0 metres*)

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N
W E
S

Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

1917 Volume: Ontario Firemap: 8
Barrie Plan: 0120C (1907)
Sheet: 8 (1917)

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

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FIP Locator Map
The detailed FIP is on the following page

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HEIRS Report

1917 Volume: Ontario Firemap: 8
Barrie Plan: 0120C (1907)
Sheet: 8 (1917)

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

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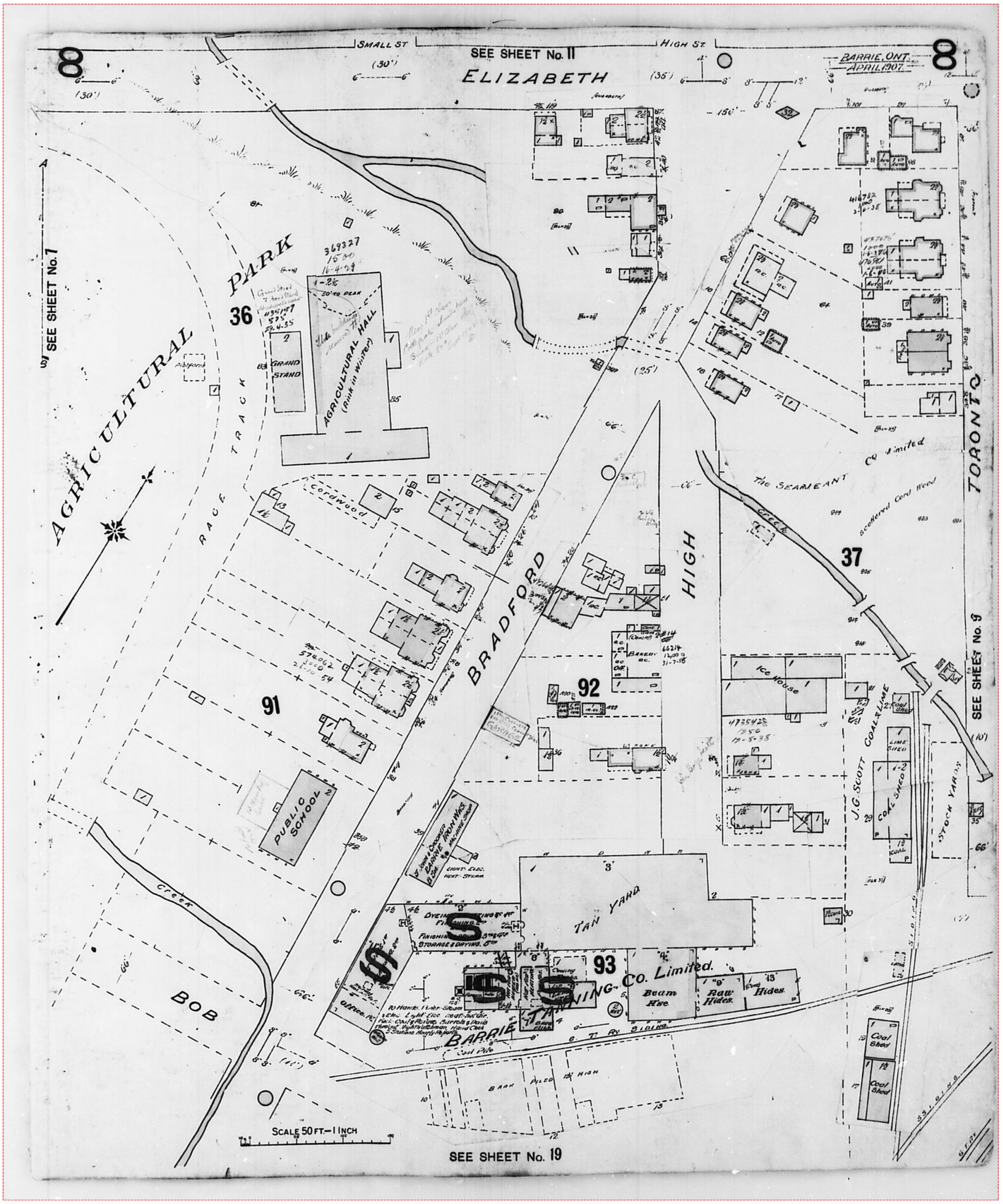

Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

1917 Volume: Ontario Firemap: 19
Barrie Plan: 0120C (1907)
Sheet: 19 (1917)

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

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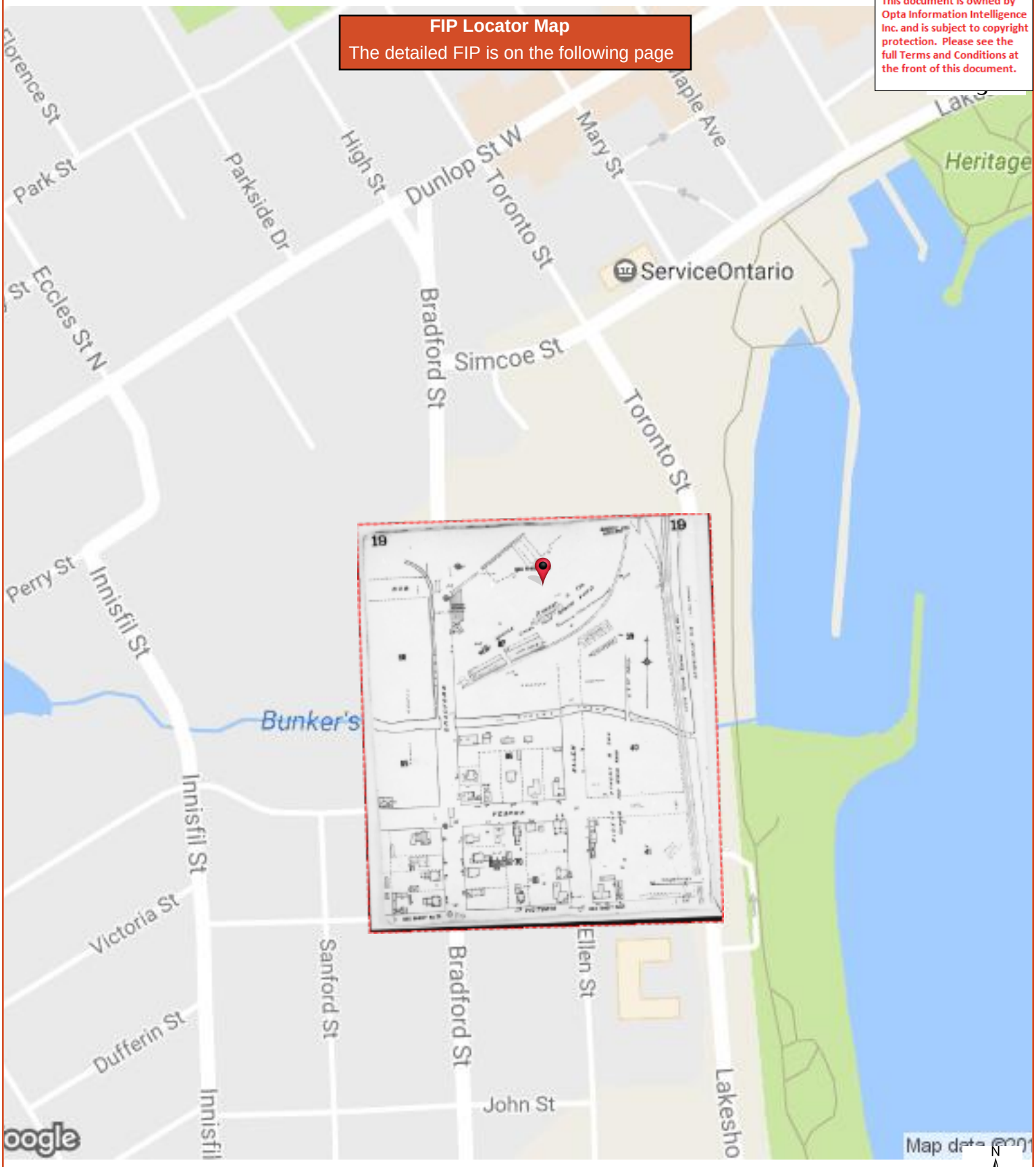

HEIRS Report

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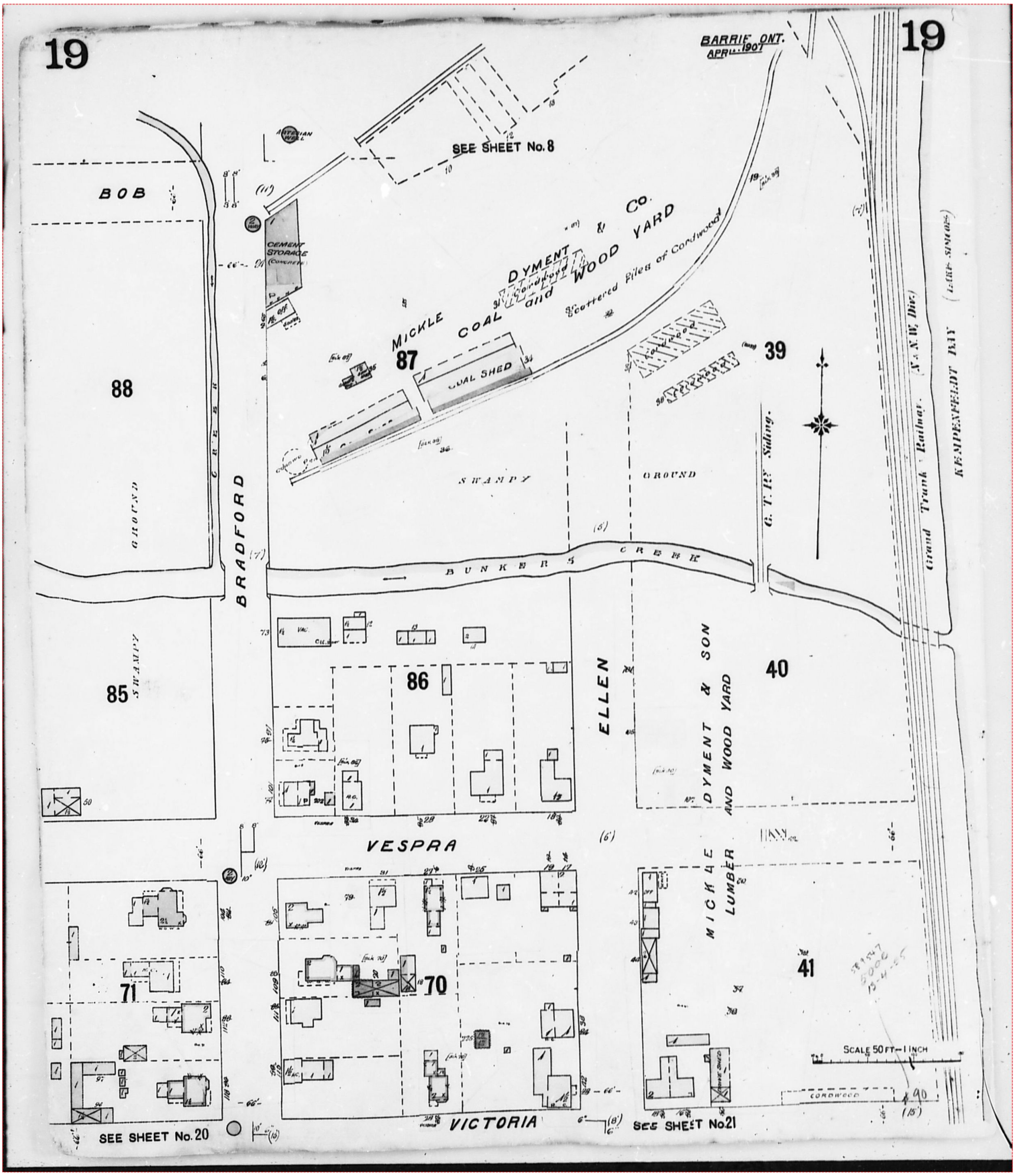

Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

1946 Volume: Ontario Firemap: 11
Barrie Plan: 0120F (1923)
Sheet: 11 (1946)

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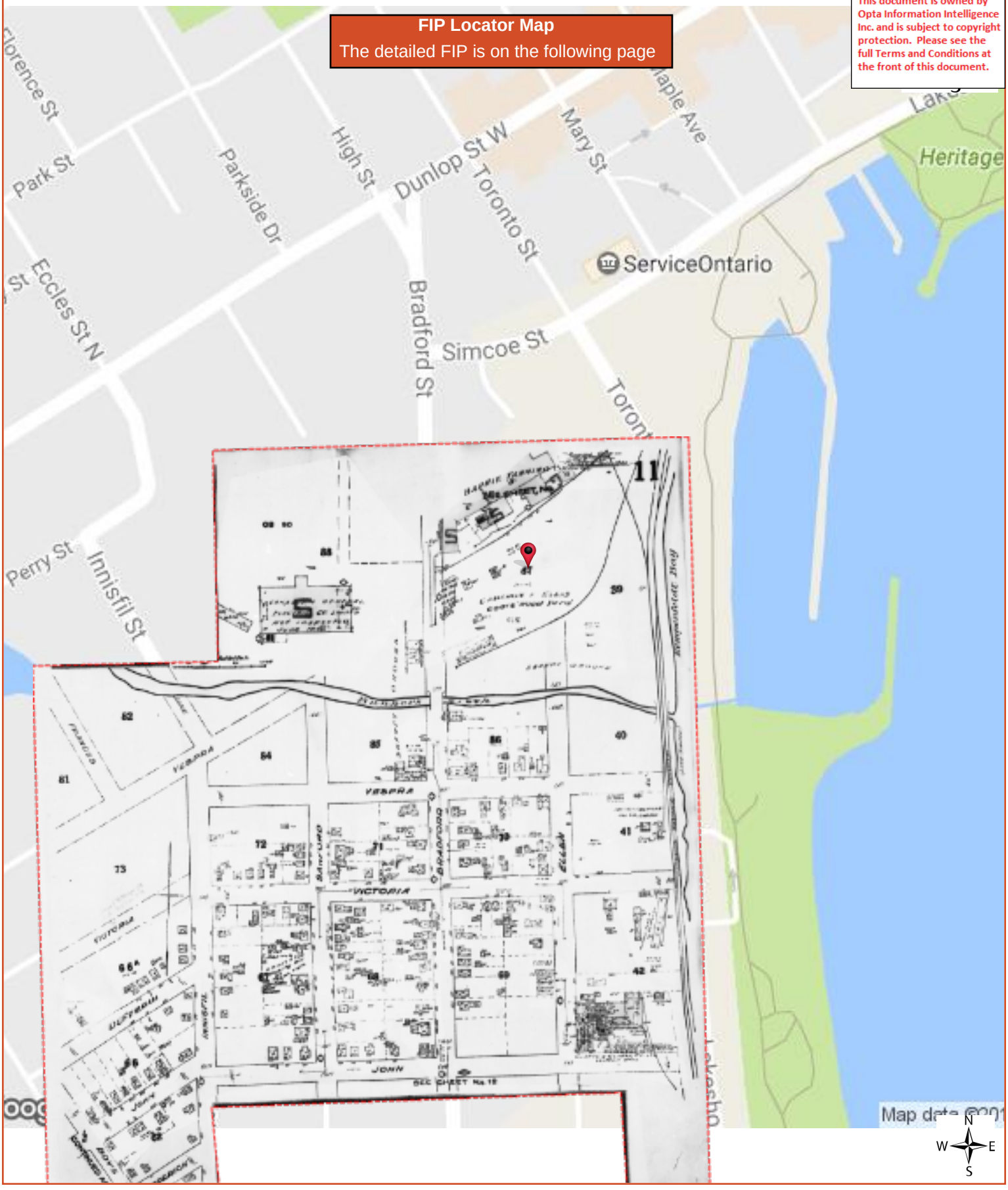

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1946 Volume: Ontario Firemap: 11
Barrie Plan: 0120F (1923)
Sheet: 11 (1946)

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Date Completed: 03/22/2017 08:04:56

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ENVIROSCAN Report

1971 Volume: Barrie Firemap: 23
Barrie Plan: 120G (1971)
Sheet: 23 (1971)

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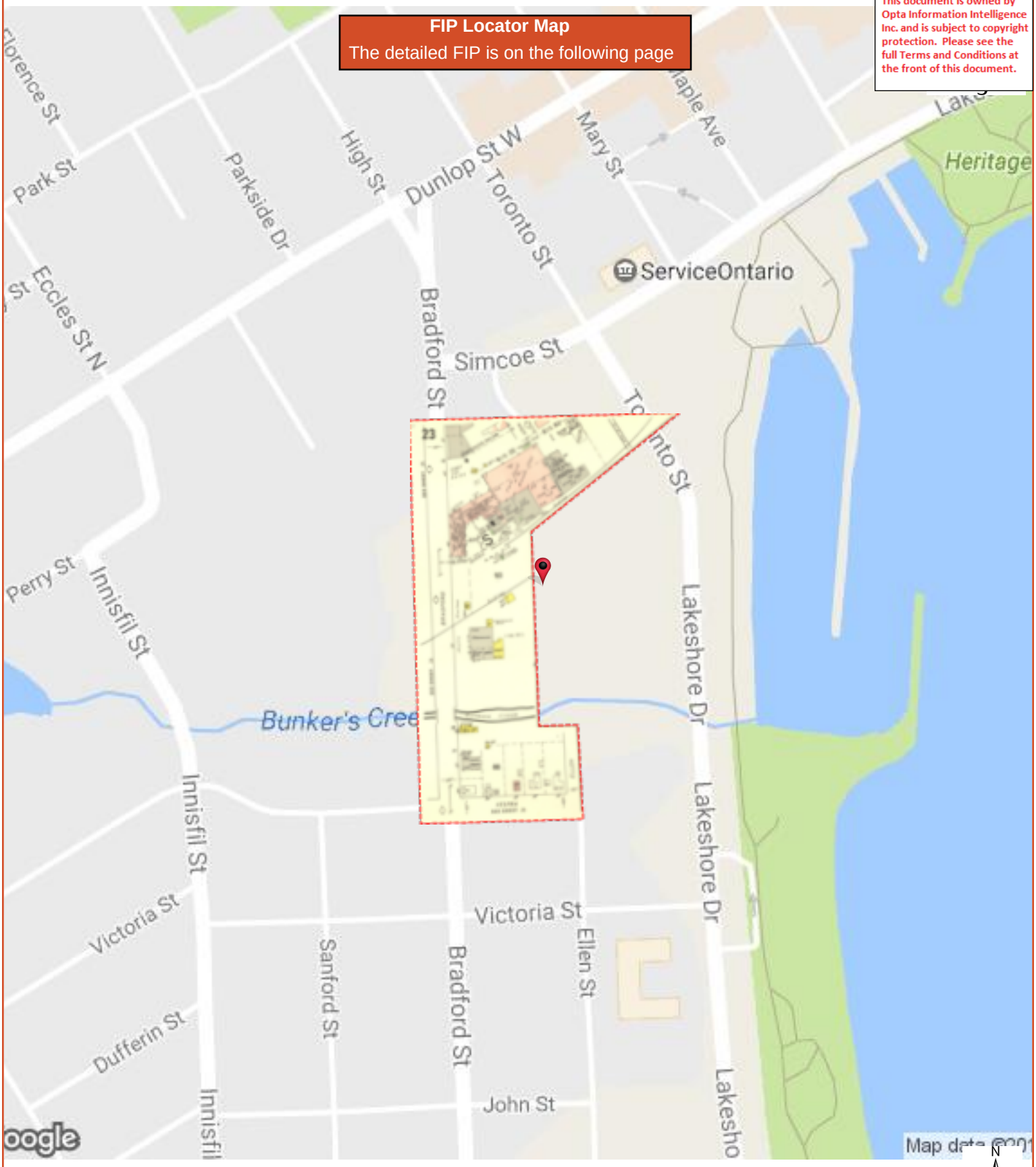

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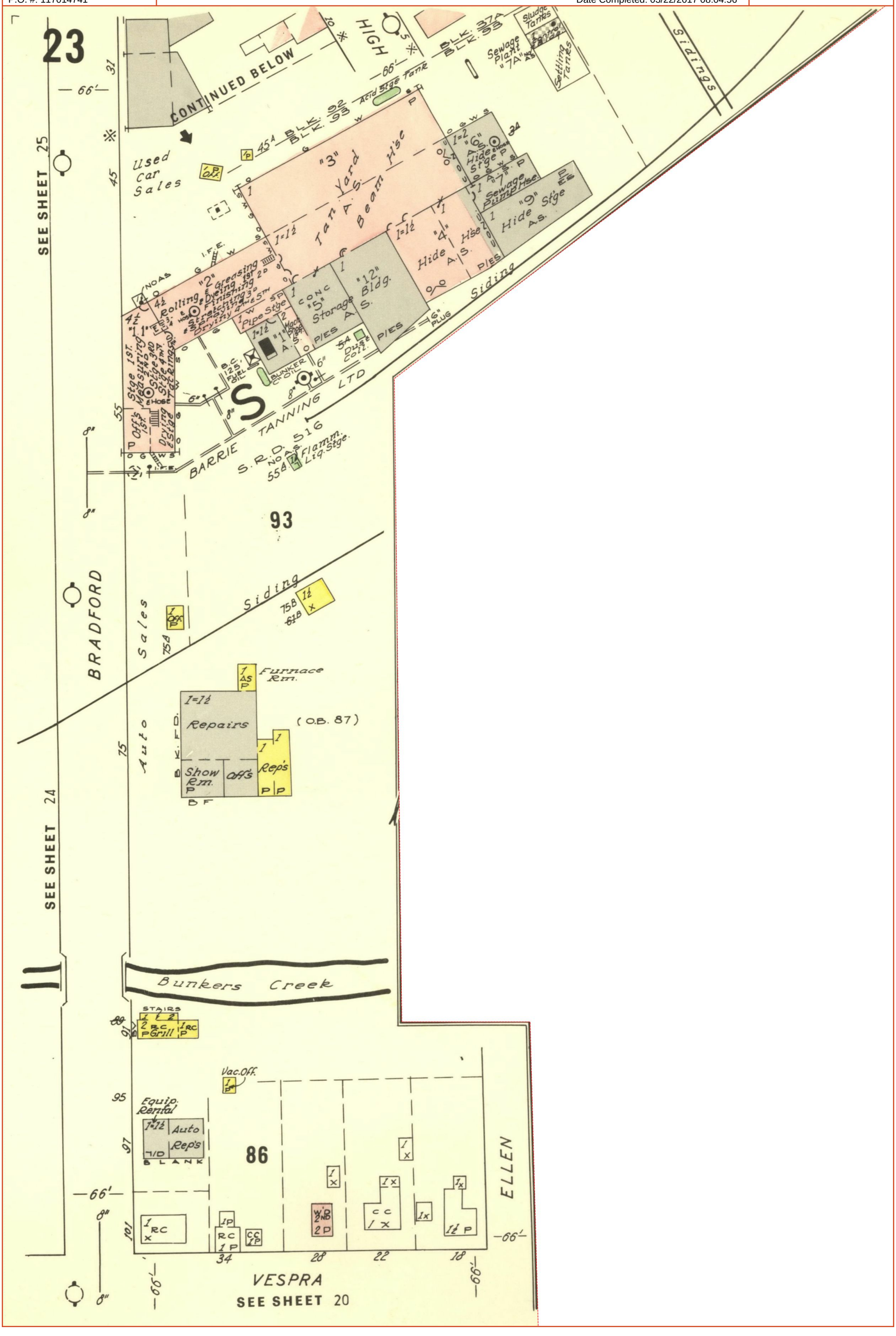

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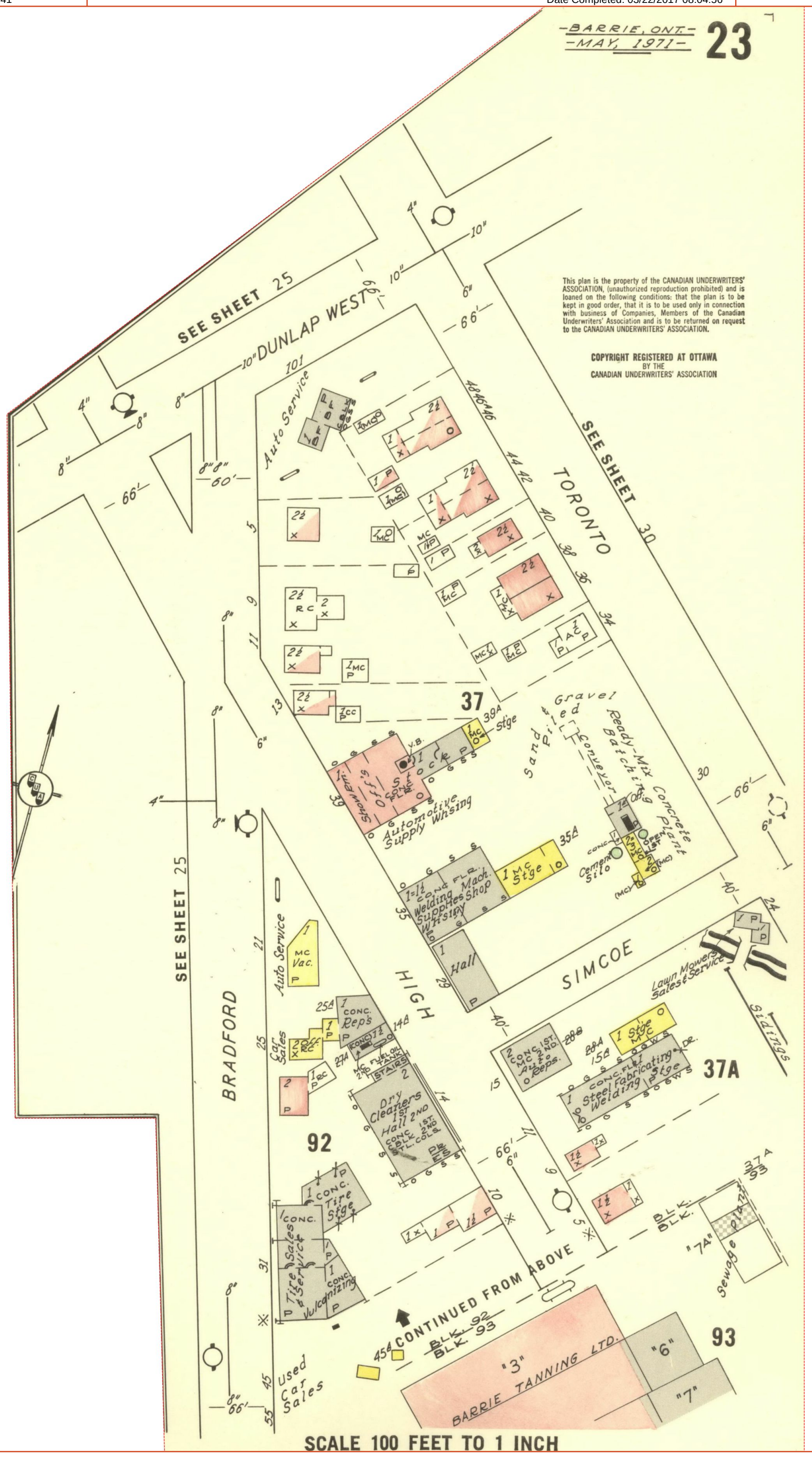

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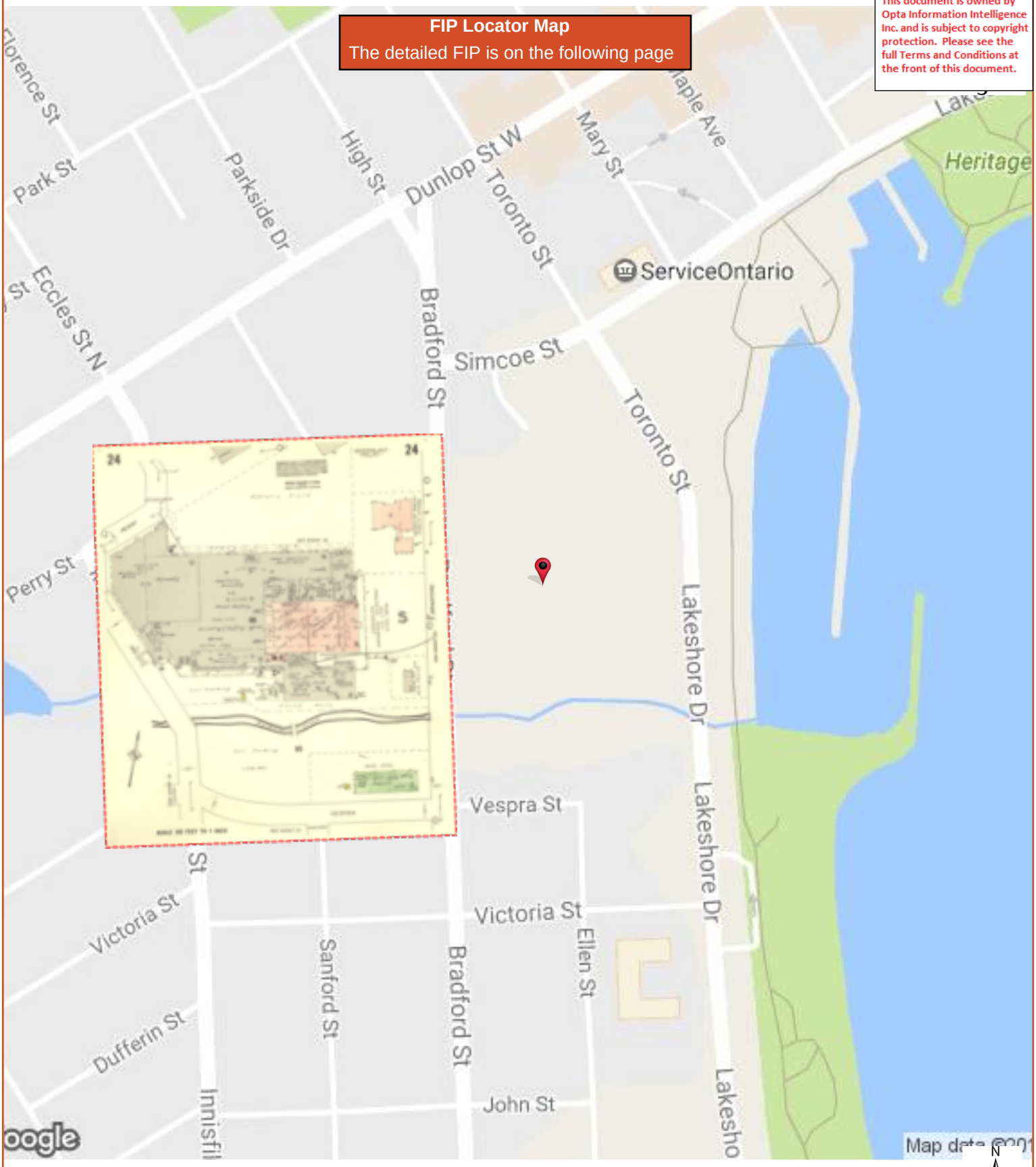

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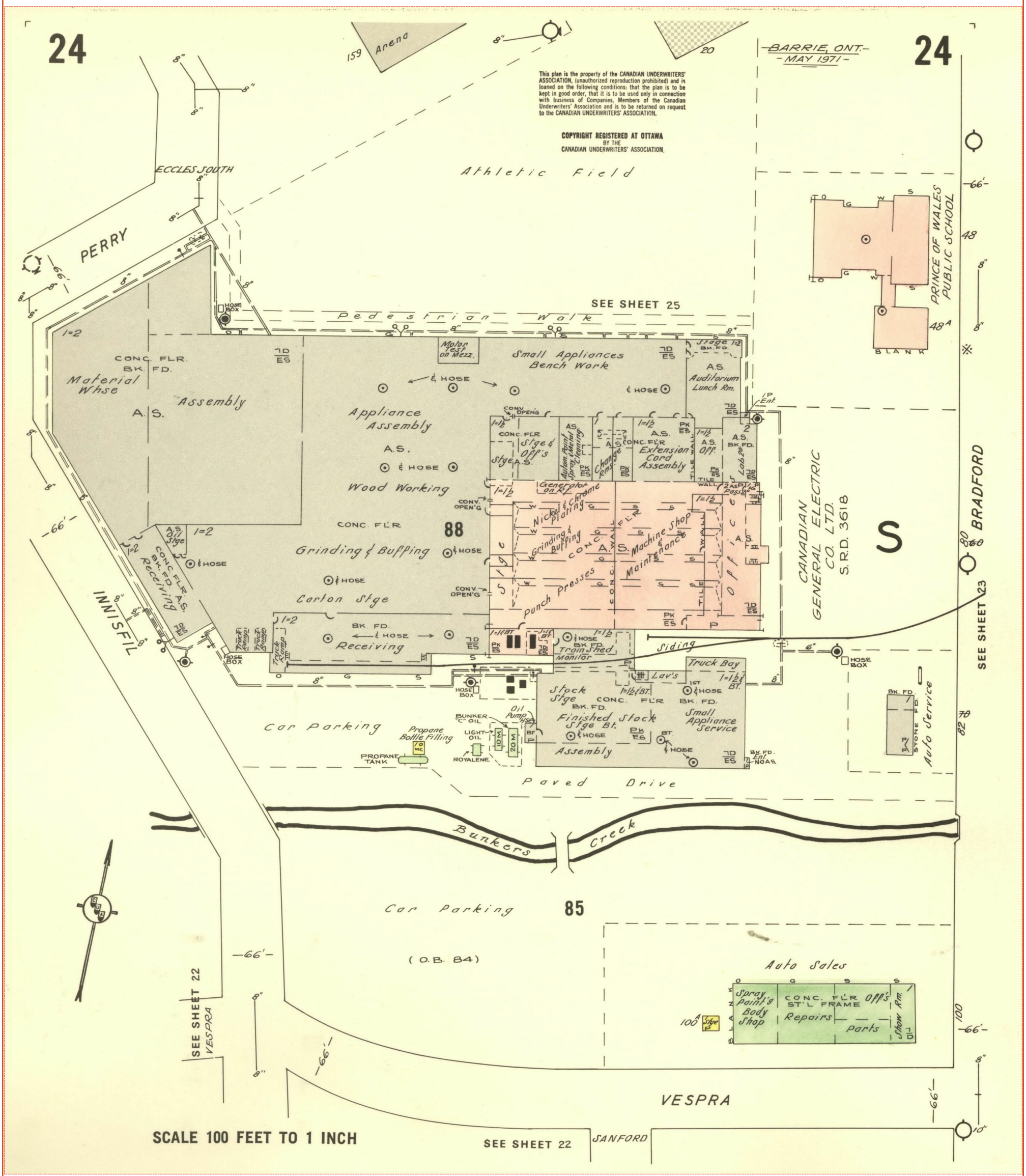

Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

1971 Volume: Barrie Firemap: 25
Barrie Plan: 120G (1971)
Sheet: 25 (1971)

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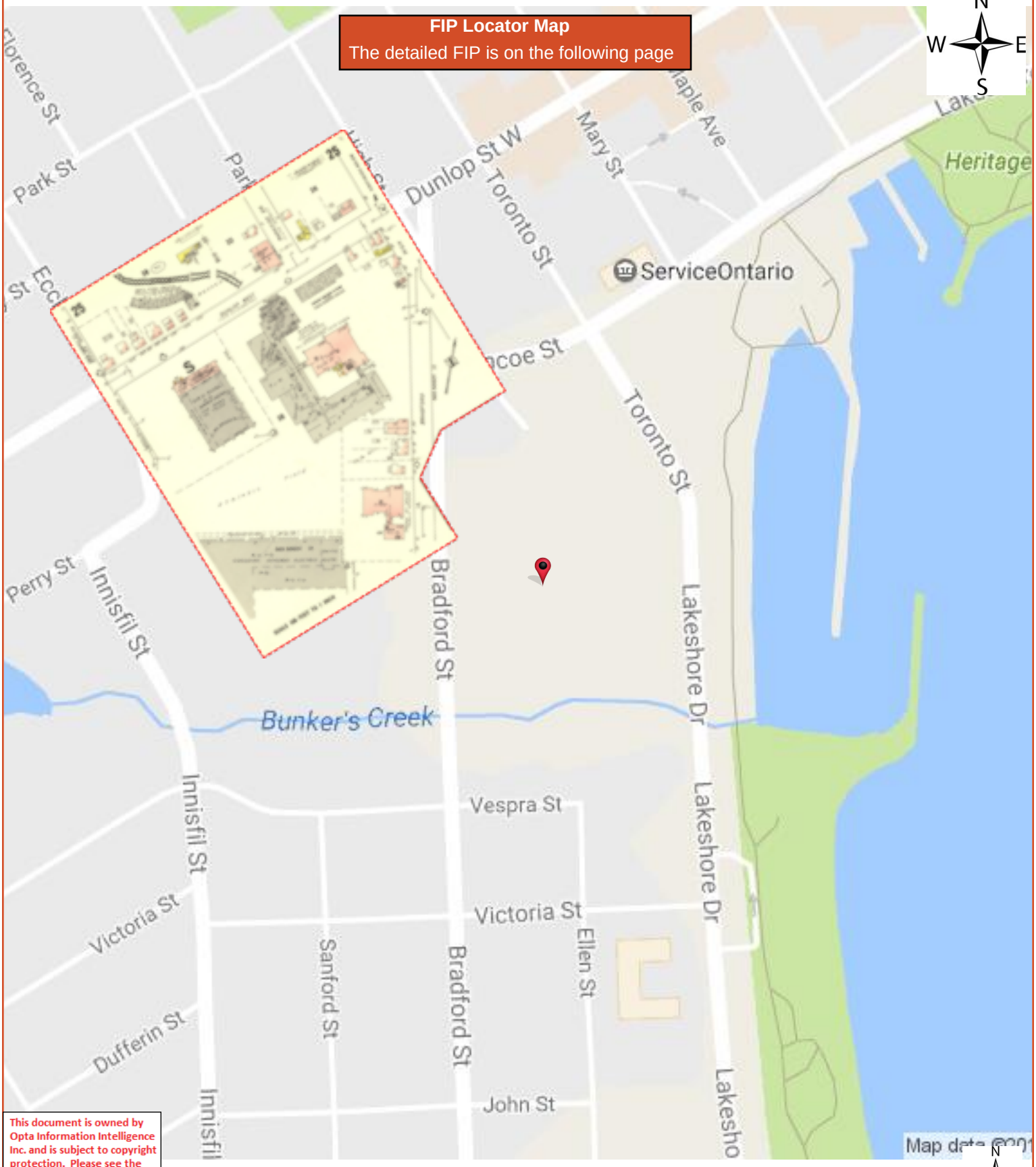

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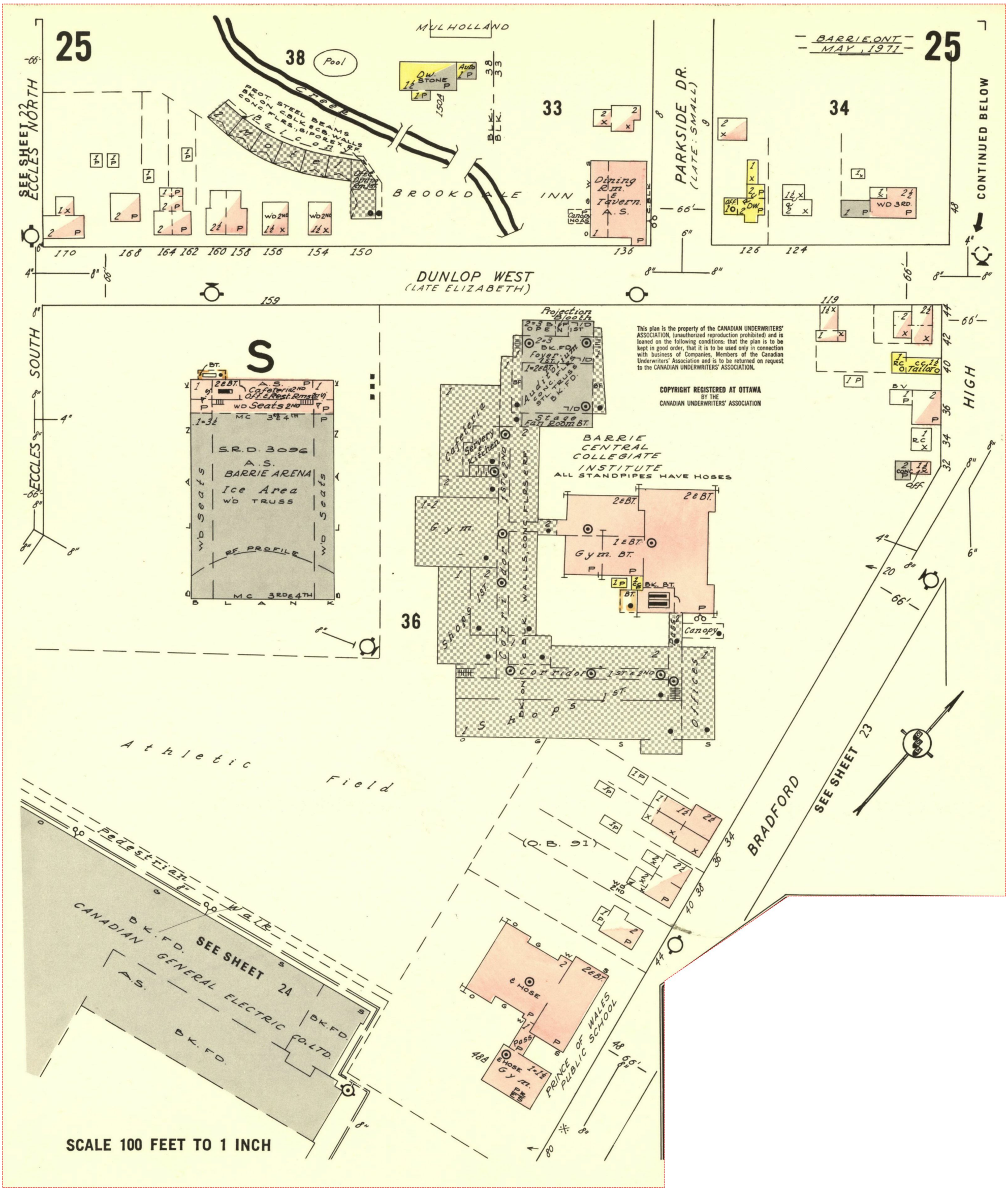

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Project Name: 5175 Bradford St Barrie

Project #: 20170315162
P.O. #: 117014741

ENVIROSCAN Report

1971 Volume: Barrie Firemap: 30
Barrie Plan: 120G (1971)
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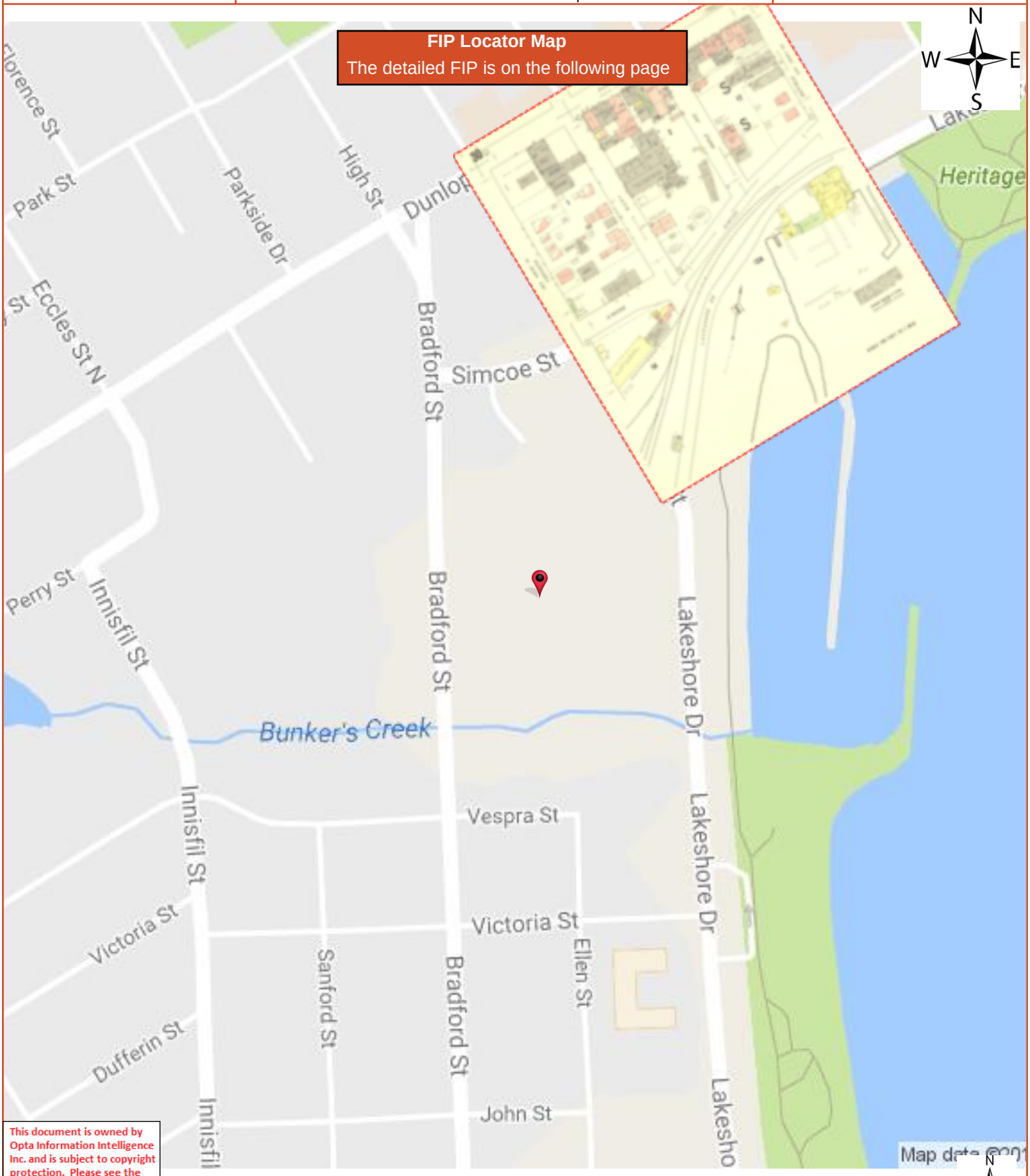

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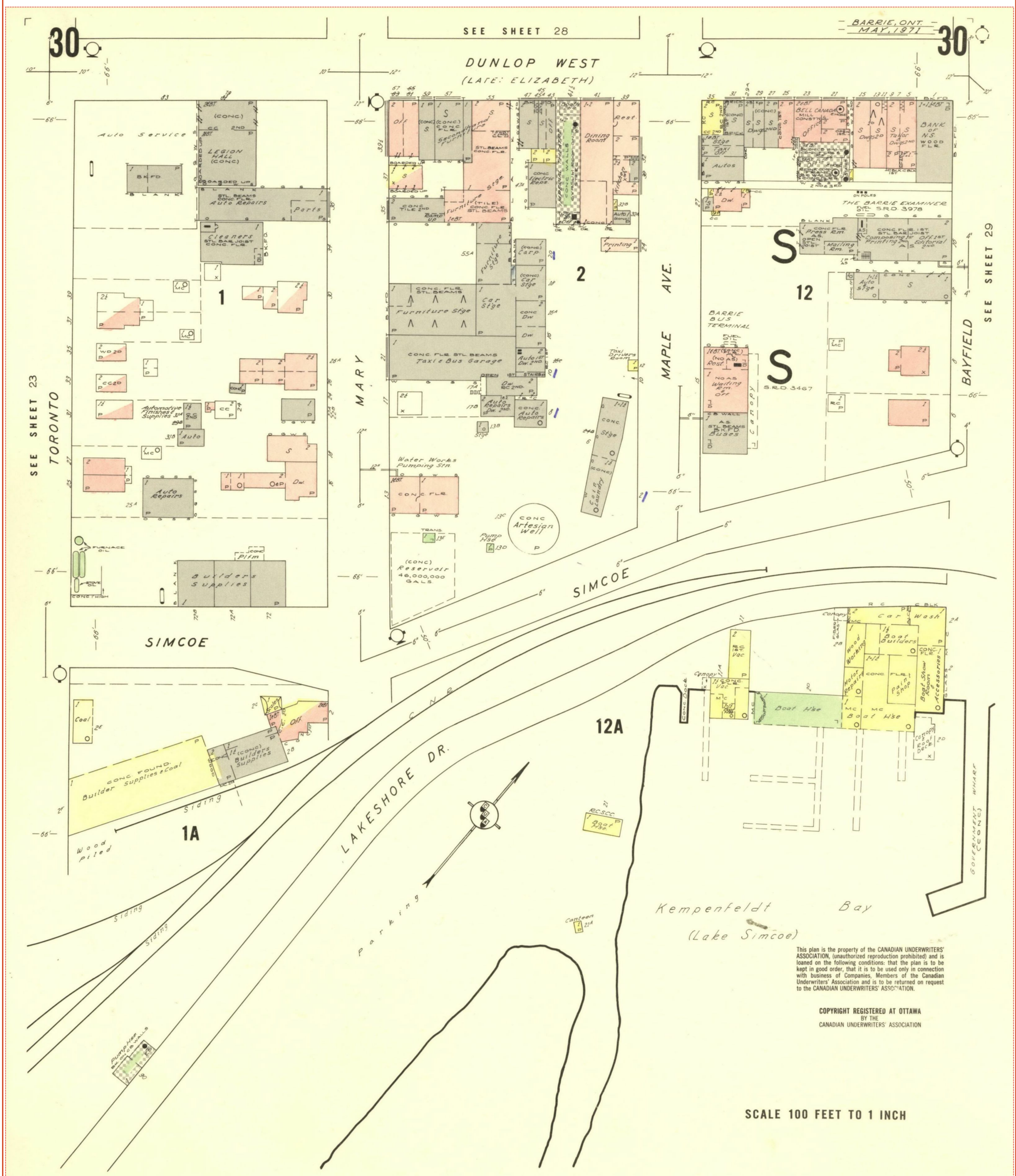

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SCALE 100 FEET TO 1 INCH

ENVIROSCAN Report

Multirisk Report - 2000 HURONIA TIRE AND AUTO 75 BRADFORD ST BARRIE ON L4N 3A7 Reference No: 10694361

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

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OPTA INFORMATION INTELLIGENCE

AIS Ref No.: 10694361

2000

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Ontario Branch
Confidential Report

MULTIRISK SURVEY

Insured:	HURONIA TIRE AND AUTO
Location Surveyed:	75 BRADFORD ST BARRIE H P A, ONTARIO L4N 3A7
Person Contacted:	ALAN BERGERON
Telephone Number:	(705) 728-5965
Policy Number:	CASS1018
AIS Reference:	10694361
Surveyed by:	KEN MC CORMACK
Date of Survey:	2000.01.27

Committed to Service Excellence

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ENVIROSCAN Report

Multirisk Report - 2000 HURONIA TIRE AND AUTO 75 BRADFORD ST BARRIE ON L4N 3A7 Reference No: 10694361

Requested by:
Eleanor Goolab
Date Completed: 03/22/2017 08:04:56

OPTA INFORMATION INTELLIGENCE

AIS Ref No.: 10694361

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NOTE: The sole purpose of this report is to provide insurance pricing and underwriting information about the particular insured and location named. Only the person requesting this survey will receive a copy of the report, and IAO asks that it be kept strictly confidential. This report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations. Tests of fire and other protection equipment have not been conducted or witnessed during this survey.

IAO reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from a survey of the premises and/or from data supplied by or on behalf of the Purchaser. IAO does not purport to list all hazards. While changes and modifications, referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO assumes no responsibility for management and control of these activities. IAO will not be responsible to the Purchaser for any loss or damages, whether consequential or other, however caused, incurred or suffered, as a result of the services being provided.

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AIS Ref No.: 10694361

HURONIA TIRE AND AUTO
75 ST BRADFORD; BARRIE H P A, ONTARIO

M U L T I R I S K - F I R E, L I A B I L I T Y A N D
B A S I C C R I M E

OCCUPANCY:

The insured is a tenant at this location. They have been in operation since 1995 and at this location for 5 year(s). They occupy 936 sq. m and are the major occupant, having 10 employees. The premises are in good condition, pending recommendation compliance. The insured is interested in loss prevention, however there have been losses during the last 3 years.

* Loss History

Lightning claim in June 1998 for about $5,000 to computer equipment.

* Occupancy Description (Insured / major tenant if insured is non-occupant)

The risk is occupied as an auto repair garage with mechanical repairs only. Minor welding is performed and appears safely arranged. A self-closing metal bath is used for degreasing parts.

* Other Classes of Occupants

A small area is operated by others as an office for the "Auto Trader" magazine where ads are placed and photographs are taken. A section is used as a sales office for used car sales by others also.

* Undersirable Features

some broken glass in doors.

It is recommended that this location be resurveyed in 1 year(s).

BUILDING:

* Built - 1960 (est.) Height: Storey(s) (excluding basement) - 1
* Addition(s) - 1970's
* There are no renovations.
* Building condition - Good

* Area: Ground Floor - 936 sq. m Total (including basement) - 1075 sq. m

---

BASIC CONSTRUCTION:

* Walls - 75% Masonry - Brick, Concrete blocks
3% Wood Frame - Wood frame metal clad
22% Wood Frame - wood and stucco clad

* Floors - (excluding basement) 100% Concrete

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* Roof - 100% - Wood joist
  - Surface material(s) - Tar and gravel
  - Original roof.

INTERIOR FINISH:

* Walls - 25% non-combustible
  - 75% open

* Ceilings - 25% non-combustible
  - 75% open

BASEMENTS: None

VERTICAL OPENINGS: None

MEZZANINE:

* Construction - wood joist
* Occupancy - storage
* Area - 139 sq. m

OUTBUILDINGS: None

HEATING:

* radiant tube heating - 75% - Natural gas
  - Upgraded in 1995, 100% replaced.
  - Installation appears safe

* Roof Mounted Units - 25% - Natural gas
  - Upgraded in 1995, 100% replaced.
  - Installation appears safe

* Fuel Tanks/Supply:
  - Supply - UG Natural Gas Connection

* Chimneys:
  - Type B Gas Vent, ULC Labelled - Standard

ELECTRICAL:

* Condition - Good and appeared safe at the time of the survey.
* Wiring - Conduit, BX, Non-Metallic
* Overcurrent protection - Circuit Breakers.
* Electrical system - Original installation.

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PLUMBING:

* Condition - Good at the time of the survey.
* Piping is Copper
* Plumbing - Original installation.

EXPOSURES: (within 15m of the risk):

* FRONT: OPEN

* REAR: OPEN

* LEFT: OPEN

* RIGHT: OPEN

MUNICIPAL PROTECTION:

* The FUS Public Fire Protection Classification is 5
* Responding (career) fire department Barrie
* Distance from risk Less than 2.5 km
* Access via Paved roads. Year-round.

* The building itself is easily accesible to the fire department.
* Two hydrants within 155m (standard)

PRIVATE PROTECTION at this location includes the following:

* Standard extinguishers

* An automatic sprinkler system is not present.

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M U L T I R I S K - L I A B I L I T Y

OCCUPANCY - GENERAL INFORMATION

* Neighbourhood is predominantly commercial, residential
* Insured - tenant Area occupied - 1075 sq. m
* 20% accessible to public. Public access is considered light
* Gross revenue - could not be determined at the time of the survey

---

PREMISES information at the time of this survey

* The following appeared to be SATISFACTORY:

  Stairs, ramps, handrails; Floor surfaces & coverings; Wall & ceilings; Inerior Lighting; Exterior Lighting; Emergency Lighting; Interior Housekeeping; Exterior Housekeeping; Washrooms; Sidewalks, Yards & Parking Lots; Snow & ice removal; Signs & Awnings; Fire exits

ELEVATING DEVICES

* 9 Hoists
  - Current license is not present.
  - Maintenance contract - No

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AIS Ref No.: 10694361

HURONIA TIRE AND AUTO
75 ST BRADFORD; BARRIE H P A, ONTARIO

M U L T I R I S K - B A S I C C R I M E

NEIGHBOURHOOD:

* Predominantly commercial, residential
* Stable
* Best described as having a moderate crime rate

BUSINESS:

* Description - auto repair shop
* Hours of Operation - tba
* Typical Stock - auto replacement parts such as filters, hoses, belts bulbs and tires
* Target Stock Details - tires value not given
* Smash and Grab exposure is low
* There is no safe on the premises

GENERAL PROTECTION at the time of this survey:

* The following appeared to be SATISFACTORY:

  Exterior Lighting, Interior Lighting, Roof Accessability, Target stock protection, Police Patrols

* Security Alarm System - Yes

SECURITY SYSTEM (TENANT or OWNER/OCCUPANT):

* A premises alarm system is in place
* The extent of protection by this system is perimeter, space/area
* The alarm is ULC Central/Monitoring station
* Line security is provided
* The type of line security is Dedicated line

PHYSICAL PROTECTION (TENANT or OWNER/OCCUPANT):

* The exterior locks at this location are deadbolt, spring, slide bolt
* The windows are not barred

This report section is designed to provide basic crime information only. More detailed crime information can be obtained by ordering an Expanded Crime Supplement.

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AIS Ref No.: 10694361

HURONIA TIRE AND AUTO
75 ST BRADFORD; BARRIE H P A, ONTARIO

M U L T I R I S K
R E M A R K S / R E C O M M E N D A T I O N S

REMARKS:

* Fire, Liability & Basic Crime - This is an older well established auto repair garage located on a busy main thoroughfare. The Insured also acts as a rental agent for "U-HAUL" truck rentals. No bodywork is carried out here. The Insured performs tune-ups, brake and suspension repairs etc. and a lot of business is installation of new tires.

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RECOMMENDATIONS:

* 00-1 Fire, Liability & Basic Crime - The broken glass in the doors should be repaired to reduce the risk of injury or damage to the building.

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FIRE INSPECTION & RATE CALCULATION Report - 1977 75 Bradford St Barrie ON e

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INSURERS' ADVISORY ORGANIZATION OF CANADA

ONTARIO REGION
MERCANTILE RISKS

FIRE INSPECTION AND RATE CALCULATION FORM

1.

(Use this form for risks of all construction (excluding fire resistive) rated from the Mercantile Masonry Schedule or the Mercantile Brick Veneer – Frame Schedule.)

LOCATION: Barrie
ADDRESS: 75 Bradford Street
(Formerly)
IAO PLAN – Sheet No.: 23; Block No.: 93; Plan No.: 75; NOP ☐; See Attached Diagram ☒

		Charges	Ded.
WALLS:	L.R.F.B. IND. ☒; L.R.F.B. PARTY ☐; B.B/HCB., S.CONC., HCB., H.T., B.V., R.C., M.C., AS.C., P.C., FR.; EXPOSED WALL (NOT PARAPETTED) – L., R., F., B.; GLASS/METAL PANELS – L.....%, R.....%, F.....%, B.....%; STEEL (or ASBESTOS) on STEEL FRAMEWORK, etc.; MIXED CONSTRUCTION: Masonry 81 %; Brick Veneer .....%; Metal or Rigid Asbestos clad .....%; Other 19 % Asb./Frame	10	–
HEIGHT:	One and Two Storey(s); Basement: YES ☐ NO ☒	05	–
AREA:	BT. ..... x ..... = ... sq.ft. 1st. 70 x 100, 20 x 25 15x55 15 60 = 9225 sq.ft. 2nd. 35 x 70 = 2,450 sq.ft. 3rd. ..... = ... sq.ft. 4th ..... = ... sq.ft. Total (All Floors) 11,675 sq.ft.		
	FLOOR AREA CHARGE .05 ¢ less (Curtain Walls) 20 % .01	04	–
KEY RATE:	45 ¢, (Total Principal Charges 19 – 0 (deductions) = 19 ¢ for determining Key Rate)	45	–
	Hydrant Deficiency One hydrant over 600'	02	–
FOUNDATION:	MASONRY ENCLOSED ☒ CONCRETE PAD ☒ POSTS ☐		
ATTACHMENTS:	(Describe)		
ACCESSIBILITY:	Fire fighting restricted by: R.Road Siding	05	–
ROOF:	Blind Space ..... ft. Used for .....; Joist ☒; Other ☐ (Specify) ..... Mansard: Left ☐, Right ☐, Front ☐, Back ☐; Covering: Wood Shingles ☐; Tarpaper ☐; Patent ☒; Other ☐ (Specify)		
ELECTRIC WIRING:	Used Exclusively – Type "S" Fuses ☐; Type "C" Fuses & Rejector System ☐; Circuit Breakers ☒; Ordinary Fuses ☐ Aluminum Wiring ☐; Rigid Conduit ☐; Open ☒	–	05
FLOORS:	Grade floor CONCRETE ☒, Basement: YES ☐, NO ☒; Steel Supports: YES ☐, NO ☒ Supporting Steel adequately protected: YES ☐ NO ☐; Heavy Wood floor(s), with floor opening(s) protected – each floor ..... YES ☐ NO ☐	–	20
EXPOSED STEEL:	COLUMNS & BEAMS – BT.Nbr. –; 1st.Nbr. 4; 2nd.Nbr. .....; 3rd.Nbr. .....; 4th.Nbr.	04	–
HEATING:	No heat ☐; Stoves ☐ Nbr. ..... O.G.C.W.; Quebec Heaters ☐ Nbr. ..... O.G.C.W.; Furnace (Convection) ☐ Nbr. ..... O.G.C.W.; Furnace (Forced Air) ☐ Nbr. ..... O.G.C.W.; Hot Water, Steam ☒ Nbr. 1 (0) G.C.W.; Fire Resistive Room YES ☐ NO ☒; Suspended Ceiling Units ☐ Nbr. ..... O.G.; Electric Heating. Portable ☐, Permanently installed ☐; Salamanders, Oil Drums, etc. (Describe) Oil Burners – Listed YES ☒ NO ☐; Fuel Oil Tanks – Listed YES ☐ NO ☐	–	–
CHIMNEYS:	SOLID BRICK FROM GROUND ☒ Nbr. 1; LISTED FACTORY BUILT ☐ Nbr. .....; Underground BRACKET ☐ Nbr. ....., Outside Bldg. ☐, Inside Bldg. Supported by floor or roof joists ☐; METAL STACKS ☐ Nbr. .....; GAUGE STEEL ..... Ins., FOUNDATION .....; SMOKEPIPE DEFICIENCIES (Describe): STOVEPIPE CHIMNEYS ☐ Nbr. .....; CLAY, CEMENT & ASBESTOS PIPES ☐ Nbr. .....; DEFICIENCIES (Describe):	–	–
	SUB-TOTAL (Carried forward)	75	25

– Continued –

Charges	Ded.
(Total brought fwd.) 75	25
POWER: AIR CONDITIONING, (COMPRESSORS) REFRIGERATION, 5 H.P. Sup'vd. ☐ Unsup'vd. ☒; 15	—
OTHER ELEC. MOTORS 2, 1, H.P. MANUALLY CONTROLLED YES ☒ NO ☐;	
PROCESS BOILERS ☐, Nbr. ..... O.G.C.W., CLEARANCE .....,	
In Fire Resistive Room YES ☐ NO ☐ .....,	
STACK ....., CLEARANCE	

INTERIOR FINISH:

	BT.	1st.	2nd.	3rd.	4th.
WALLS	90%	HCB/N	HCB/N		
CEILINGS	10%	OWSN BOARD	OWJ/N		
PARTITIONS					

—	06
01	03

VERTICAL OPENINGS:

Masonry shafts with Class "B" self-closing doors – Nbr. ..... From ..... To .....;		
Self-closing trap doors ..... inches thick – Nbr. ..... From ..... To .....;		
Sub-standard shaft or doors with self-closing doors – Nbr. ..... From ..... To .....;		
Other than above or open stairs – Nbr. 1 From 1 To 2;	10	—

INTERNAL PROTECTION: N/A

EXTINGUISHERS ..... Standard ☐; Non-Standard ☒; (For details see page 3 "Occupancy by Floor")	—	—
STANDPIPE & HOSE ..... Standard ☐; Non-Standard ☐;		
WATCHMAN & CLOCK: Standard ☐ Non-standard ☐ .....;		
SPRINKLERED BASEMENT: YES ☐ NO ☐, Approved installation YES ☐ NO ☐;		
AUTOMATIC FIRE DETECTION SYSTEM: Local ☐ or otherwise – state .....;		
Partial Sprinkler System (in Hazardous areas): YES ☐ NO ☐		

OCCUPANCY & PROCESS: Item # 152 Auto Repair Garage (No Painting) .40 (H-Water) heat N/C — .40 —

TENANTS & PROCESS: Item # .....

FAULTS OF MANAGEMENT: Poor Ceiling Finish — 25

	166 · 34
Less Deductions	- 34
Sub-Total	132
Less Special Occupancy Reduction 10 % (Where applicable)	- 13
	119

EXPOSURE: OPEN

Co-Insurance Credit: Bldg. 20 %; Contents 15 %. No. Co. Bldg. Rate → 119

IBC IND. Code(s)	IAO Rate Code(s) Occ'y.	C/P 2	IBC Codes: Terr 81 - Ind 551 - Cons 4 - Prot 3	Contents Extra	No. Co.	80% Co.	No. Co.	80% Co.
551	151	Building (1 and 2 - HCB+Asb/WF - P)			119	95		
551	151	Garage Contents		40	159	135		
502	151	Tire Stock		50	169	144		
–	151	Office Contents		20	139	118		
–	151	Machinery Furniture & Fixtures (Equipment)		20	139	118		
–		Dwelling Contents						

Requested by: Travelers — Report No. — Date: Nov 15/77

Initial: G. Sams — Date: Nov 18/77

2. OCCUPANCY & PROCESS

NAME OF RISK: (Name of building and/or owner) French Motors (Barrie) Limited — Sheet No. 23 — Block No. 93 — Plan No. 75 — NOP ☐ — See Diagram ☒

LOCATION: (i.e. Municipal address) No. 75 Bradford Street, Barrie

OCCUPANCY BY FLOOR: (indicate any vacant section(s)) (i) "Business" name and also report briefly on: (ii) Special hazards and processes if any; (iii) Location, number and type of extinguishers; (iv) Any other exceptional feature of the risk, including heavy exposures, and faults of management.

Basement: nil

1st. Floor: French Motors (Barrie) Ltd. IBC IND. 551 Auto Repair Garage, 21 hands Alignments, Safety-Kleen degreaser, Oxy-Acetylene welding, approved oil absorbent, grinder, small room off Garage with cement plaster walls & ceiling house the electrical room with two 15 H.P. compressors, The Asbestos clad frame garage extension, outside entrance only has a tar backed cardboard ceiling finish that is in poor repair. This room leads into a asbestos lined room for storage of tires on racks and into a car wash room. Two "10B,C", two unlabelled CO2 and One 2A-10B,C rated extinguishers

2nd. Floor: A wood joist floor above the offices and Showroom is used to store mufflers and parts storage.

3rd. Floor: The Boiler Room is located in an asbestos attachment A frame construction having an outside entrance. An Oakwood Spencer oil boiler 6, has been Boiler Inspected Aug 27/77 and is fed from an underground tank. It is vented through a brick chimney. The walls and ceiling is

Other Floors: cement plaster finished.

3. GENERAL UNDERWRITING COMMENTS

(a) HOUSEKEEPING & MAINTENANCE: Excellent ☐; Good ☐; Average ☒; Poor ☐, (If so, describe): (see charges under Faults of Management ☐);

(b) NEIGHBOURHOOD: Residential ☐; Commercial ☒; Industrial ☐; Congested Area ☐, (If so, describe):

(c) OPINION OF RISK: Excellent ☐; Good ☐; Average ☒; Poor ☐, (If so, describe): Number of Fire Divisions .....; (show on Plan and indicate openings)

(d) APPROXIMATE AGE OF BUILDING: 24 years. Year Built 1953 Additions; .....

Siteplan Report - 1977 75 Bradford St Barrie ON e

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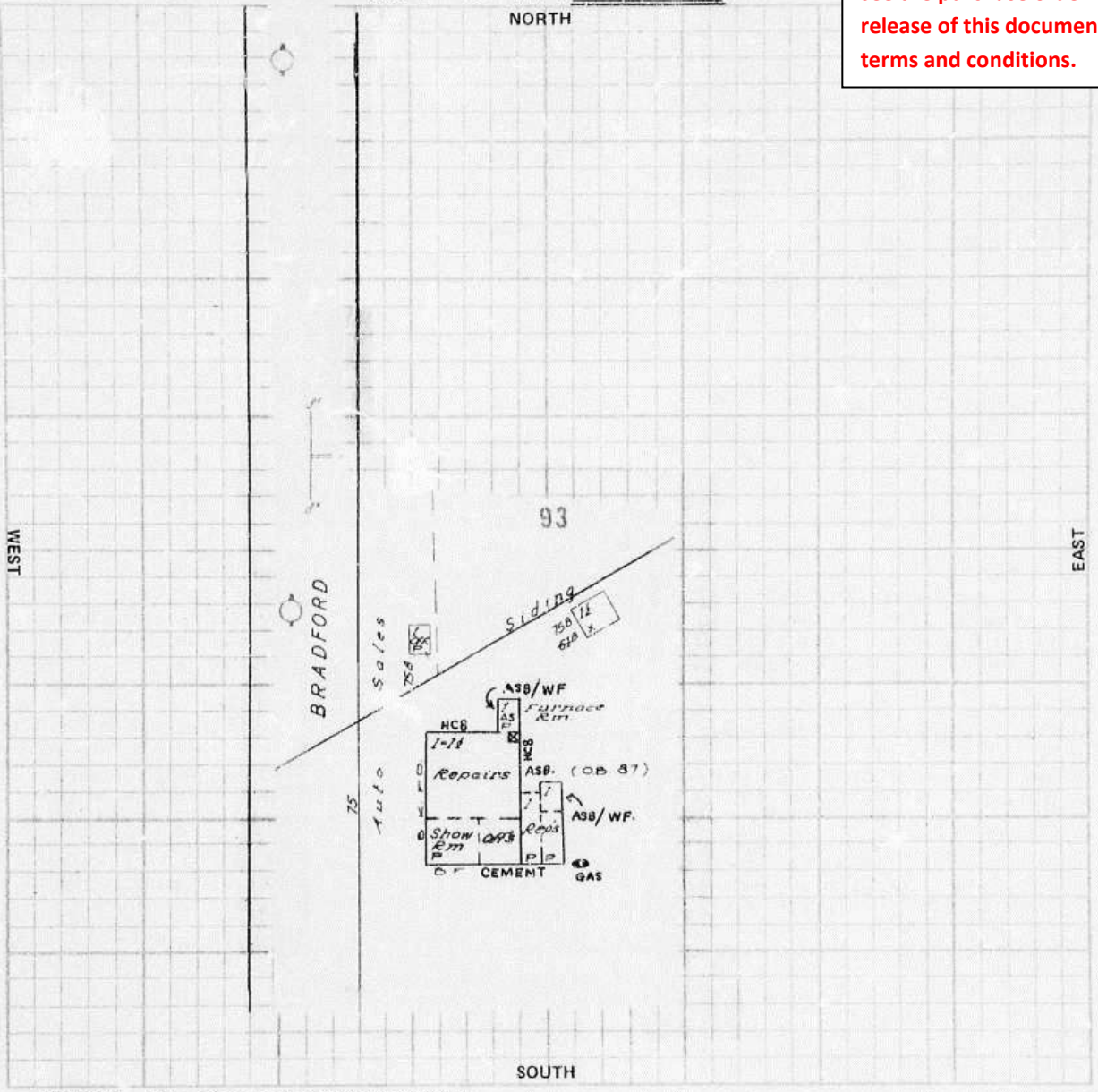
4. DIAGRAM

(Scale 1" = 50' ☐, or 1" = 100' ☒)



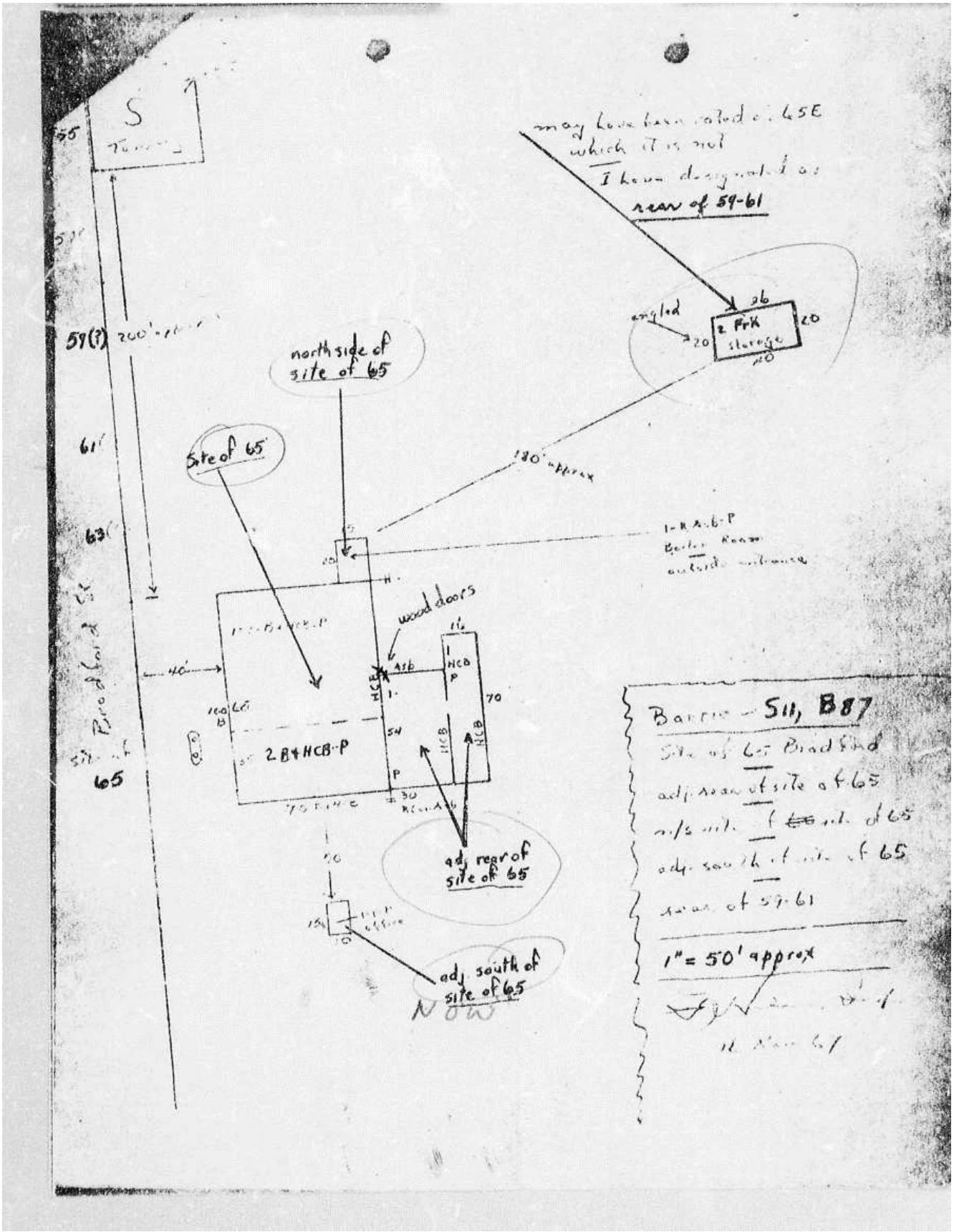
EXPOSURE: Note – These questions must be answered fully.

NORTH open ft. to building built of .... stories high, occupied as .....
SOUTH open " " .... " " .....
EAST open " " .... " " .....
WEST open " " .... " " .....

Requested by: Travelers

Signature of Inspector: B. Sasna I.A.O. Barrie

Date: Nov 23 19 77



Barrier - S11, B87

Site of 61 Broadway

adj rear of site of 65

n/s width of site of 65

adj south of n/s of 65

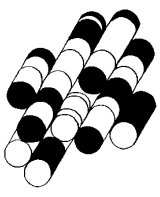
rear of 59-61

1" = 50' approx

11 Nov 61

APPENDIX F

TERRAPROBE INC.



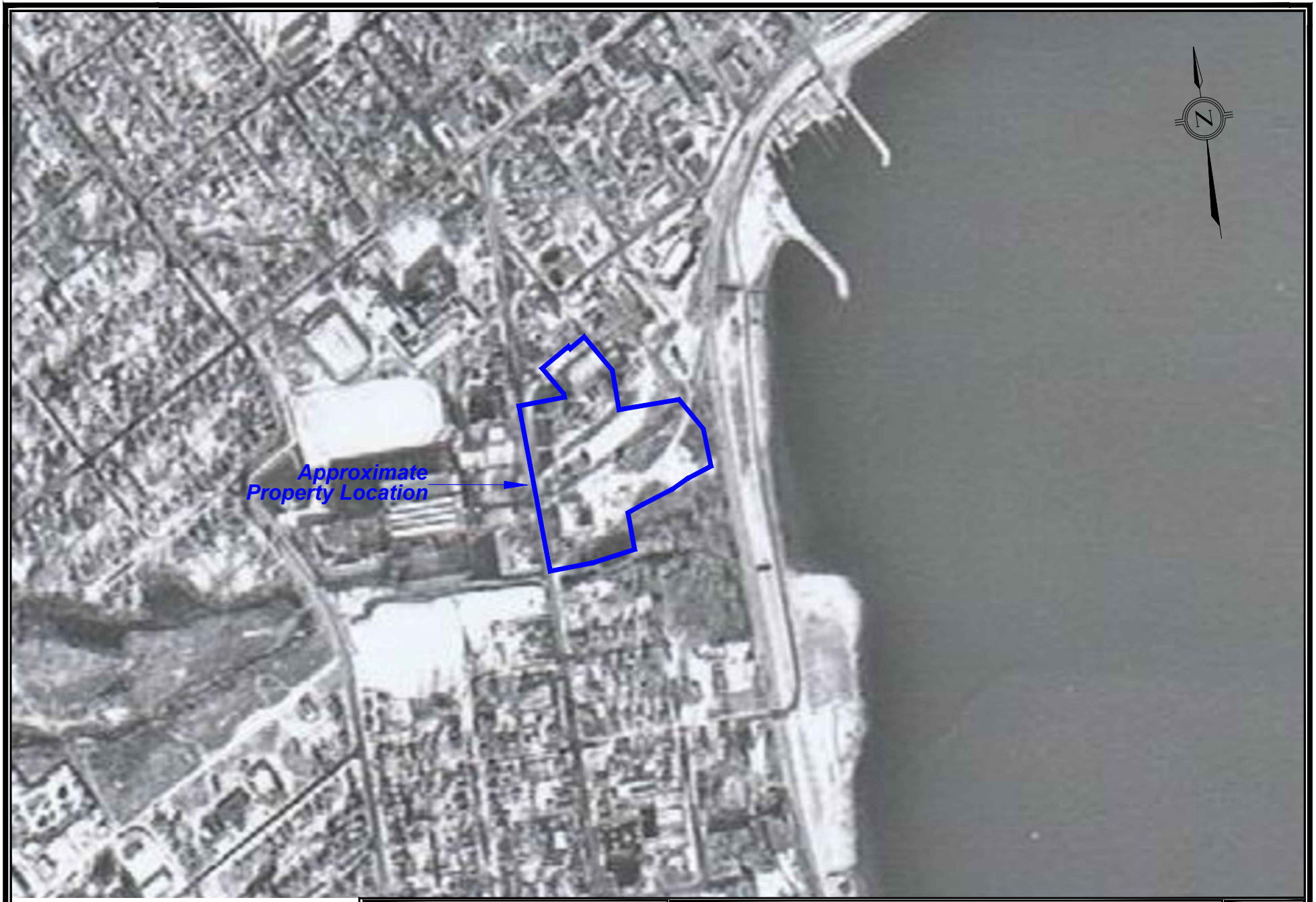
Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: AERIAL PHOTOGRAPH

File No. 1-17-0147-41

YEAR : 1946

T:\1-Project Files\2017\1-17-0147 - 75 Bradford Street - The Kemp Barrie\41 - Phase One ESA\A_Dwgs, Logs\AutoCAD\1-17-0147-41 Aerial Photos.dwg



Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title: AERIAL PHOTOGRAPH

File No. 1-17-0147-41

YEAR : 1962

T:\1-Project Files\2017\1-17-0147 - 75 Bradford Street - The Kemp, Barrie\41 - Phase One ESA\A_Dwgs, Logs\AutoCAD\1-17-0147-41 Aerial Photos.dwg

Terraprobe

11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:	AERIAL PHOTOGRAPH
File No.	1-17-0147-41
YEAR :	2006

C:\Users\mvenner\AppData\Local\Temp\1-17-0147-41 Aerial Photos_1_2644_4072.dwg

Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:	AERIAL PHOTOGRAPH
File No.	1-17-0147-41
YEAR :	2013

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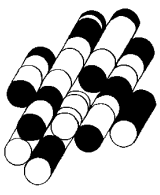
Terraprobe
11 Indell Lane, Brampton, Ontario, L6T 3Y3
Tel: (905) 796-2650 Fax: (905) 796-2250

Title:	AERIAL PHOTOGRAPH
File No.	1-17-0147-41
YEAR :	2015

C:\Users\mvenn\AppData\Local\Temp\1-17-0147-41 Aerial Photos_1_2644_4072.dwg

APPENDIX G

TERRAPROBE INC.



Photograph 1

Location:	North Portion of Property
Viewing:	Northeast
Description:	View of the vacant vegetated lands on the Property.

Photograph 2

Location:	Southwest Portion of Property
Viewing:	Northeast
Description:	View of the onsite auto dealership building on the Property.

Photograph 3

Location:	2-6 Lakeshore Drive
Viewing:	Northeast
Description:	View of the adjacent residential apartment building to the northeast of the Property.

Photograph 4

Location:	10 Checkley Street
Viewing:	Southwest
Description:	View of the adjacent commercial property to the northwest of the Property.

Photograph 5

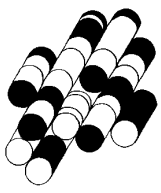
Location:	90 Bradford Street
Viewing:	Northeast
Description:	View of the neighbouring commercial property (across Bunker's Creek) to the south of the Property.

Photograph 6

Location:	80 Bradford Street
Viewing:	Northwest
Description:	View of the adjacent commercial building to the west of the Property.

APPENDIX H

TERRAPROBE INC.



ENVIRONMENTAL RISK INFORMATION SERVICE

Head Office: 80 Valleybrook Dr, Toronto, ON M3B 2S9
Physical Address: 38 Lesmill Rd, Toronto, ON M3B 2T5
Phone: 416-510-5204 • Fax: 416-510-5133
info@erisinfo.com • www.erisinfo.com

City Directory Information Source
Vernon's Barrie, Ontario City Directory

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1998-99	
Site Listing:	51-Utopia Auto Sales -U-Haul Co 52-Kempview Motor Sales 75-Barrie Auto Sales -Huronia Tire And Auto Service Centre -Ontario Automobile Distributors
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-Multi-Tenant Office 100-Carsmart Incorporated

	-Bell's Collision -Dynamik Auto Service -Park & Sale Jackson Auto Swap 110-Barrie Harley Davidson 112-Simcoe Bait & Tackle II 118-Pogie's Pub 120-Byron Graham Motors 97-Community Cycle 103-Dairy Queen 109-Central Station -G I T Security Monitoring & Communications -Van Am Electronics 111-Tom's Auto Service 119-Campbell Auto Sales
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 36-Bayside Automotive -Copyworks -Huronia Technologies -Howard Engines 38-Dykstra Bros Electric -Marketeers & Company
Lakeshore Drive (1-65)	-All Residential

	5-Royal Canadian Sea Cadet Corp.
Sanford Street (25-45)	-All Residential 37-Sanford Salon
Simcoe Street (20-40)	34-Ministry Of Culture Tourism & Recreation -Golfside Construction -Kinark Child And Family Services -Ministry Of Community & Social Services
Toronto Street (1-25)	25-Power Plant Recording Studios
Vespra Street (15-65)	-All Residential 65-Fire Dept. Business Office
Victoria Street (1-80)	-All Residential 11-Multi-Tenant Office 29-Barrie Area Native Advisory Circle

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1993-94	
Site Listing:	51-Wagner's Service Centre 55-Deal On Wheels

	-Central Automotive Sales 75-Barrie Auto Sales -Huronia Tire And Auto Service Centre
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-Multi-Tenant Office 100-Barrie Honda Auto Sales 118-Pogie's Pub 120-Byron Graham Motors 5-New Shape Figure Spas 11-Baytex Computers 25-Justin Motors 27-Adults Only Video 45-Bay City Motors 97-Community Cycle 103-Dairy Queen 109-G I T Security Monitoring & Communications -Van Am Electronics 111-Tom's Auto Service 119-A T A Leasing -Dave & Rico Auto Sales
Checkley Street (All)	-Street Not Listed

Ellen Street (30-45)	-All Residential 34-Bayside Automotive 36-Huronia Technologies 38-Dykstra Bros Electric -Accident Appraisal Service -Prime Cut Food Services
Lakeshore Drive (1-65)	-All Residential
Sanford Street (25-45)	-All Residential 37-Sanford Salon
Simcoe Street (20-40)	34-Ministry Of Culture Tourism & Recreation -Golfside Construction -Kinark Child And Family Services -Ministry Of Community & Social Services -Royal Bank
Toronto Street (1-25)	25-Power Plant Recording Studios
Vespra Street (15-65)	-All Residential 65-Fire Dept. Business Office -Barrie Police Service
Victoria Street (1-80)	-All Residential 11-Multi-Tenant Office

	29-Kavski Engineering Ltd.

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1989	
Site Listing:	51-E L M Auto Sales & Leasing 75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-Multi-Tenant Office 100-Barrie Honda Auto Sales 110-Huronia Tire & Auto Service Centre 112-Angel Florists -The Plant Place 118-Pogie's Pub 9-Royal Lepage Real Estate 11-Mr. Build Barry's Landscaping Services -Heating & Air Conditioning -Virg N Wood Contracting 25-Justin Motors

	45-Bay City Motors 97-Simcoe Stereo Centre 103-Dairy Queen 109-G I T Security Monitoring & Communications -Van Am Electronics 111-Tom's Auto Service 119-Toke Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 36-Bayside Automotive -Now Sports Centre 38-Dykstra Bros Electric -Accident Appraisal Service
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	34-Ministry Of Culture Tourism & Recreation -Golfside Construction -Kinark Child And Family Services -Ministry Of Community & Social Services
Toronto Street (1-25)	25-Murdock's Wheel Alignment

Vespra Street (15-65)	-All Residential 65-Fire Dept. Business Office -Barrie Police Service
Victoria Street (1-80)	-All Residential 58-Eva's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1982	
Site Listing:	75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 50-Prince Of Wales Public School 80-C G E Service 100-Centennial Plymouth Chrysler -Klean Auto Leasing 110-Uniroyal Centres 118-Barrie Sea Foods & Rest 120-Byron-Graham Motors 9-Royal Lepage Real Estate

	11-Rosie's Boutique 25-Justin Motors 31-Barrie Tire 45-Bay City Motors 93-Acadia Rent A Car -Thrifty Rent A Car 97-Barrie U-Haul -Barrie Rent All 103-Dairy Queen 109-Ministry Of Health -Van Am Electronics 111-Tom's Auto Service 119-Toke Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 36-Simcoe Carpet & Cleaning Services -Sunrise Satellite Systems -Inner Window Save -Michael Enterprise -Long Contracting 38-Dykstra Bros Electric
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential

Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	25-Murdock's Wheel Alignment
Vespra Street (15-65)	-All Residential 18-Disc Jockey Unlimited -Hughes Battery Service 65-Fire Dept. Business Office -Barrie Police Service
Victoria Street (1-80)	-All Residential 58-Irene's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1974	
Site Listing:	55-Barrie Tanning Ltd. 75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential

	50-Prince Of Wales Public School 80-Can Genl Elect Co 82-Claude's Texaco Serv Centre 100-Centennial Plymouth Chrysler 110-Uniroyal Centres 112-Bay City Upholstery 118-Van Am Electronics 120-Byron-Graham Motors 25-Justin Motors 31-Harper Tire 45-Bay City Motors 93-M D F Auto Sales 97-Carruthers Rent All -Auto Glass 103-Dairy Queen 109-Barrie Seafood Rest 115-Tom's Auto Serv 119-Toke Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential 38-Dykstra Bros Electric
Lakeshore Drive (1-65)	-Street Not Listed

Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential 18-Hughes Battery Service 65-City Fire Dept -Police Force -Prov Court Criminal Div
Victoria Street (1-80)	-All Residential 58-Connie's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1966	
Site Listing:	55-Barrie Tanning Ltd. 75-French Motors Ltd.
Adjacent Properties:	

Bradford Street (10-120)	-All Residential 80-Can Genl Elect Co 82-Stranaghan Motors 100-Jackson Mtrs Ltd. 110-Dominion Tire Stores 112-Bay City Upholstery 19-Don's Esso Serv Stn 25-Justin Motors 31-33-Beers Tire Service 45-Bay City Motors 91-Kay Bee Lunch Bar 97-Viau Motors -Barrie Equip Rentals -Northern Maintenance Co 103-Dairy Queen 109-Barrie Seafood Rest 115-Henry's Fina Serv Stn 119-Byron Graham Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential

Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential 65-City Fire Dept -Police Force -Magistrates Court
Victoria Street (1-80)	-All Residential 58-Robison's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1961	
Site Listing:	55-Barrie Tanning Ltd. 61-Res (1 Tenant) 75-French Motors Ltd.
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 80-Can Genl Elect Co

	82-Stranaghan Motors 100-Park Motors 19-Brennan Serv Stn 25-Justin Motors 45-Bay City Motors 97-Kramer Motors 103-Dairy Queen 115-Fina Serv Stn 119-Stewart Motors
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential
Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential
Victoria Street (1-80)	-All Residential 1-Barrie Fuel & Supply Co

	58-Robison's Variety

PROJECT NUMBER: 20170317062	
Site Address:	51-75 Bradford Street, Barrie, Ontario
Year: 1952	
Site Listing:	55-Barrie Tanning Ltd. 61-Res (1 Tenant) -Smith Dairy Farm 65-Res (1 Tenant)
Adjacent Properties:	
Bradford Street (10-120)	-All Residential 80-Can Genl Elect Co 82-Stranaghan Motors 100-Hart's Garage 19-21-Little Serv Stn 25-Justin Motors 97-Semple Motor Sales
Checkley Street (All)	-Street Not Listed
Ellen Street (30-45)	-All Residential

Lakeshore Drive (1-65)	-Street Not Listed
Sanford Street (25-45)	-All Residential
Simcoe Street (20-40)	-No Listings Within Radius
Toronto Street (1-25)	-No Listings Within Radius
Vespra Street (15-65)	-All Residential 31-Electrolux Ltd.
Victoria Street (1-80)	-All Residential **-Barrie Fuel & Supply Co

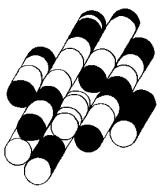
-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory

Barrie, Ontario is listed from 1952 to 1998-99 within the city directory archives*

APPENDIX I

TERRAPROBE INC.



CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 51 Bradford Street, Barrie
Legal Description: lot 120 & Pt lots 119 & 121 e/s Bradford St Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 2, 51R14824
PIN #: 58795-0030(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	20 11 1833	Crown	David EDGAR
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6594	Deed	13 06 1900	Robert Ross - estate	The Barrie Tanning Company Limited
22645	Deed	08 07 1935	The Barrie Tanning Company Limited	The Barrie Tanning Co. Ltd.
22646	Deed	08 07 1935	The Barrie Tanning Co. Ltd.	Barrie Tanning Limited
880918	Deed	15 10 1985	Barrie Tanning Limited	629508 Ontario Ltd.
924412	Deed	25 10 1986	629508 Ontario Ltd.	Orval Frederick JACKSON & Joanne JACKSON
RO1078326	Mortgage	20 09 1989	Orval Frederick Jackson & Joanne Jackson	The Municipal Savings & Loan Corp. (Mortgagee)

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 51 Bradford Street, Barrie
Legal Description: lot 120 & Pt lots 119 & 121 e/s Bradford St Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 2, 51R14824
PIN #: 58795-0030(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
RO1266417	Deed	28 09 1994	The Municipal Savings & Loan Corp. (Orval & Joanne Jackson defaulted in Mtg #RO1078326)	816996 Ontario Limited
SC614961	Name Change	02 01 2008	816996 Ontario Limited	Maybelle Holdings Corp.
SC617870	Deed	15 01 2008	Maybelle Holdings Corp.	1662894 Ontario Inc.
SC983675	Deed	25 05 2012	1662894 Ontario Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	26 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al (Mortgagee)
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al	**Fortress Kempenfelt Bay Developments Inc.**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #51

58795-0030 (LT)

PREPARED FOR Bertuccil
ON 2017/03/16 AT 09:57:36

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

PROPERTY DESCRIPTION: LT 120 & PT LTS 119 & 121 E/S BRADFORD ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 2 51R14824; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0316

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/06/23 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
51R14824	1986/09/12	PLAN REFERENCE				C
RO1078326	1989/09/20	CHARGE		*** COMPLETELY DELETED ***	THE MUNICIPAL SAVINGS & LOAN CORP.	
RO1266417	1994/09/28	TRANS POWER SALE		*** COMPLETELY DELETED ***	816996 ONTARIO LIMITED	
RO1266418	1994/09/28	CHARGE		*** COMPLETELY DELETED ***	THE MUNICIPAL TRUST COMPANY	
RO1266419	1994/09/28	ASSIGNMENT GENERAL		*** COMPLETELY DELETED *** 816996 ONTARIO LIMITED	THE MUNICIPAL TRUST COMPANY	
REMARKS: RO1266418 - RENTS - ADDED 2001 09 14						

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
RO1338251	1997/02/27	TRANSFER OF CHARGE		*** DELETED AGAINST THIS PROPERTY ***	THE MUNICIPAL SAVINGS & LOAN CORP.	
	REMARKS: MULTI					
RO1338268	1997/02/27	TRANSFER OF CHARGE		*** DELETED AGAINST THIS PROPERTY ***	NATIONAL BANK OF CANADA	
	REMARKS: MULTI					
RO1340437	1997/03/25	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: RENTS, MULTI					
RO1340438	1997/03/25	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: RENTS, MULTI					
LT516393	2001/10/17	DISCH OF CHARGE		*** COMPLETELY DELETED *** NATIONAL BANK OF CANADA		
	REMARKS: RE: RO1266418					
LT520195	2001/11/01	APL (GENERAL)		*** COMPLETELY DELETED *** 816996 ONTARIO INC.		
	REMARKS: RE:RO1266417					
SC614961	2008/01/02	APL CH NAME OWNER		*** COMPLETELY DELETED *** 816996 ONTARIO INC.	MAYBELLE HOLDINGS CORP.	
SC617870	2008/01/15	TRANSFER		*** COMPLETELY DELETED *** MAYBELLE HOLDINGS CORP.	1662894 ONTARIO INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC617883	2008/01/15	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC880282	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA	
SC880312	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
SC880526	2011/01/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.		
REMARKS: SC617883.						
51R37947	2011/05/30	PLAN REFERENCE				C
SC959402	2012/01/25	CHARGE		*** COMPLETELY DELETED *** 1662894 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959426	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC880312.					
SC959566	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA		
	REMARKS: SC880282.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983680	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959402.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

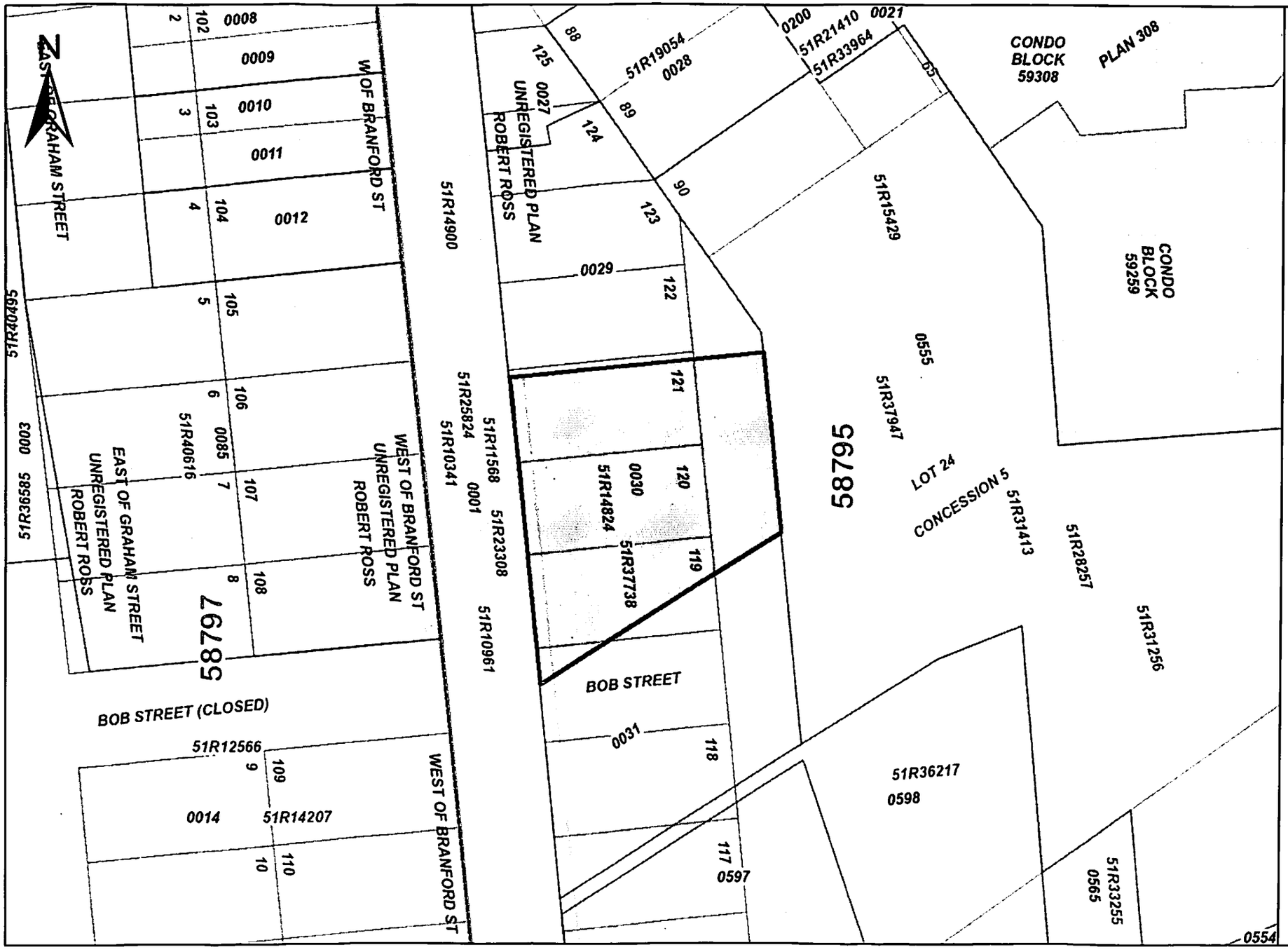
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
	REMARKS: SC1366769.					
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					OYLMPIA TRUST COMPANY	

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



ServiceOntario

PRINTED ON 16 MAR, 2017 AT 10:01:17
FOR CHAIN

SCALE

0 30 meters

PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 55 Bradford Street, Barrie
Legal Description: Pt lots 117-119 e/s Bradford St & Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 1, 51R36217
PIN #: 58795-0031(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	20 11 1833	Crown	David EDGAR
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6667	Deed	19 10 1900	Robert Ross - estate	Mary A. ROSS
6732	Deed	16 01 1901	Mary A. Ross	Alfred MORRIS & Benjamin PARKER
7855	Deed	03 05 1904	Alfred Morris & Benjamin Parker	James CHEESMAN
10393	Deed	16 05 1908	James Cheesman	Henry JAMIESON
10394	Deed	16 05 1908	Henry Jamieson	Charles MICKLE & Simon DYMENT
21764	Deed	10 12 1931	Charles Mickle & Simon Dyment	Mickle Dyment & Son Limited

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 55 Bradford Street, Barrie
Legal Description: Pt lots 117-119 e/s Bradford St & Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 1, 51R36217
PIN #: 58795-0031(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
21765	Deed	10 12 1931	Mickle Dyment & Son Limited	George CAMERON & Harry ELLIS c.o.b. as Cameron & Ellis
22720	Deed	23 10 1935	George Cameron & Harry Ellis c.o.b. as Cameron & Ellis	Barrie Tanning Limited
880918	Deed	15 10 1985	Barrie Tanning Limited	629508 Ontario Ltd.
923455	Deed	15 10 1986	629508 Ontario Ltd.	French Motors (Barrie) Ltd.
RO1329822	Deed	21 11 1996	French Motors (Barrie) Ltd.	796531 Ontario Limited
SC167692	Name Change	05 11 1996	796531 Ontario Limited	Rodann Investments Inc.
SC668395	Deed	31 07 2008	Rodann Investments Inc.	1662893 Ontario Inc.
SC983675	Deed	25 05 2012	1662893 Ontario Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 55 Bradford Street, Barrie
Legal Description: Pt lots 117-119 e/s Bradford St & Pt Bob St Robert Ross Plan; Pt lot 24 Con 5 as Pt 1, 51R36217
PIN #: 58795-0031(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al	**Fortress Kempenfelt Bay Developments Inc.**

PROPERTY DESCRIPTION: PT LTS 117-119 E/S BRADFORD ST & PT BOB ST ROBERT ROSS UNREGISTERED PL ABSTRACTED AS NO REGISTERED PL OF EDGAR BLK BARRIE; PT E PT LT 24 CON 5 VESPRA PT 1 51R36217; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0317

PIN CREATION DATE:
2000/06/26

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1998/07/27 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 2000/06/26						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2000/06/23 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
RO1329822	1996/11/21	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	796531 ONTARIO LIMITED	
REMARKS: RE: CHANGE OF NAME RO1472445 & RO1472330						
RO1329824	1996/11/21	CHARGE		*** COMPLETELY DELETED ***	THE TORONTO-DOMINION BANK	
SC167692	2003/11/05	APL CH NAME OWNER		*** DELETED AGAINST THIS PROPERTY *** 796531 ONTARIO LIMITED	RODANN INVESTMENTS INC.	
REMARKS: RO1329822						
SC653493	2008/06/09	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
REMARKS: RE: RO1329824						

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
51R36217	2008/07/16	PLAN REFERENCE				C
SC668395	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.	1662893 ONTARIO INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC668407	2008/07/31	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	RODANN INVESTMENTS INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880314	2011/01/27	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959403	2012/01/25	CHARGE		*** COMPLETELY DELETED *** 1662893 ONTARIO INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					WOOLLCOTT, MARIA	
SC959428	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880314.					
SC959567	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.		
	REMARKS: SC668407.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983681	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959403.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				PAPE, GAIL		
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				PAPE, GAIL NOBLE, LISA		
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C

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FOR CHAIN

SCALE

0 30 meters

PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: lot 90 w/s High St; Pt lot 65 e/s High St Plan 115; Pt lots 24 & 25 Con 5

Searched at: Barrie
LRO #: 51

PIN #: 58795-0555(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	12 01 1872	Crown	Trinity College
65896	Deed	07 03 1872	Trinity College	William ARDAGH
69692	Deed	14 12 1872	William Ardagh	James R. BURTON
12193	Deed	30 04 1912	James R. Burton - estate	The Barrie Tanning Company Ltd.
22646	Deed	08 07 1935	The Barrie Tanning Company Ltd.	Barrie Tanning Ltd.
880918	Deed	15 10 1985	Barrie Tanning Ltd.	629528 Ontario Ltd.
999651	Deed	02 05 1988	629528 Ontario Ltd.	Lorne Investments (Sudbury) Ltd.
RO1037934	Deed	16 12 1988	Lorne Investments (Sudbury) Ltd	629528 Ontario Ltd.
SC617869	Deed	15 01 2008	629528 Ontario Ltd.	Blue Simcoe Developments Inc.

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: lot 90 w/s High St; Pt lot 65 e/s High St Plan 115; Pt lots 24 & 25 Con 5

Searched at: Barrie
LRO #: 51

PIN #: 58795-0555(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983675	Deed	25 05 2012	Blue Simcoe Developments Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al (Harmony Village-Lake Simcoe Inc defaulted in SC983676)	**Fortress Kempenfelt Bay Developments Inc.**

PROPERTY DESCRIPTION: LT 90 W/S HIGH ST PL 115 BARRIE, PT LT 65 E/S HIGH ST PL 115 BARRIE, PT HIGH ST PL 115 BARRIE, PT E PT LT 24 CON 5 VESPRA, PT BROKEN LT 25 CON 5 VESPRA PT 4 51R28257 EXCEPT PTS 1 & 2 51R32954 AND EXCEPT PTS 2 & 5 51R33255; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 58795-0279

PIN CREATION DATE:
2005/07/29

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2005/07/29 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2000/06/26 **						
51R15429	1987/03/31	PLAN REFERENCE				C
RO1165727	1991/10/09	ORDER VESTING ORDER		*** DELETED AGAINST THIS PROPERTY ***	804485 ONTARIO LIMITED	
REMARKS: DELETED 2012 04 18 - S. MCMASTER REP FOR LR (BASED ON SC617869)						
51R28257	1998/12/10	PLAN REFERENCE				C
51R31256	2002/06/25	PLAN REFERENCE				C
51R31413	2002/09/06	PLAN REFERENCE				C
SC617869	2008/01/15	TRANSFER		*** COMPLETELY DELETED *** 804485 ONTARIO INC.	BLUE SIMCOE DEVELOPMENTS INC.	
REMARKS: PLANNING ACT STATEMENTS						
SC617882	2008/01/15	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	A.S.V. ENTERPRISES CORP.	

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					ALFJOE ENTERPRISES INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC878562	2011/01/18	NOTICE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS CORP.	A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.	
	REMARKS: - SC617882					
SC880281	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA	
SC880311	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
SC880525	2011/01/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** A.S.V. ENTERPRISES CORP. ALFJOE ENTERPRISES INC.		
	REMARKS: SC617882.					
51R37947	2011/05/30	PLAN REFERENCE				C
SC959401	2012/01/25	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959425	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880311.					
SC959565	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. FEMIA, CLAUDIA		
	REMARKS: SC880281.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983679	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959401.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED ***		
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
					OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC.	
					CITY CORE DEVELOPMENTS INC.	
					OLYMPIA TRUST COMPANY	
					SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED ***		
				LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL		
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA		
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C

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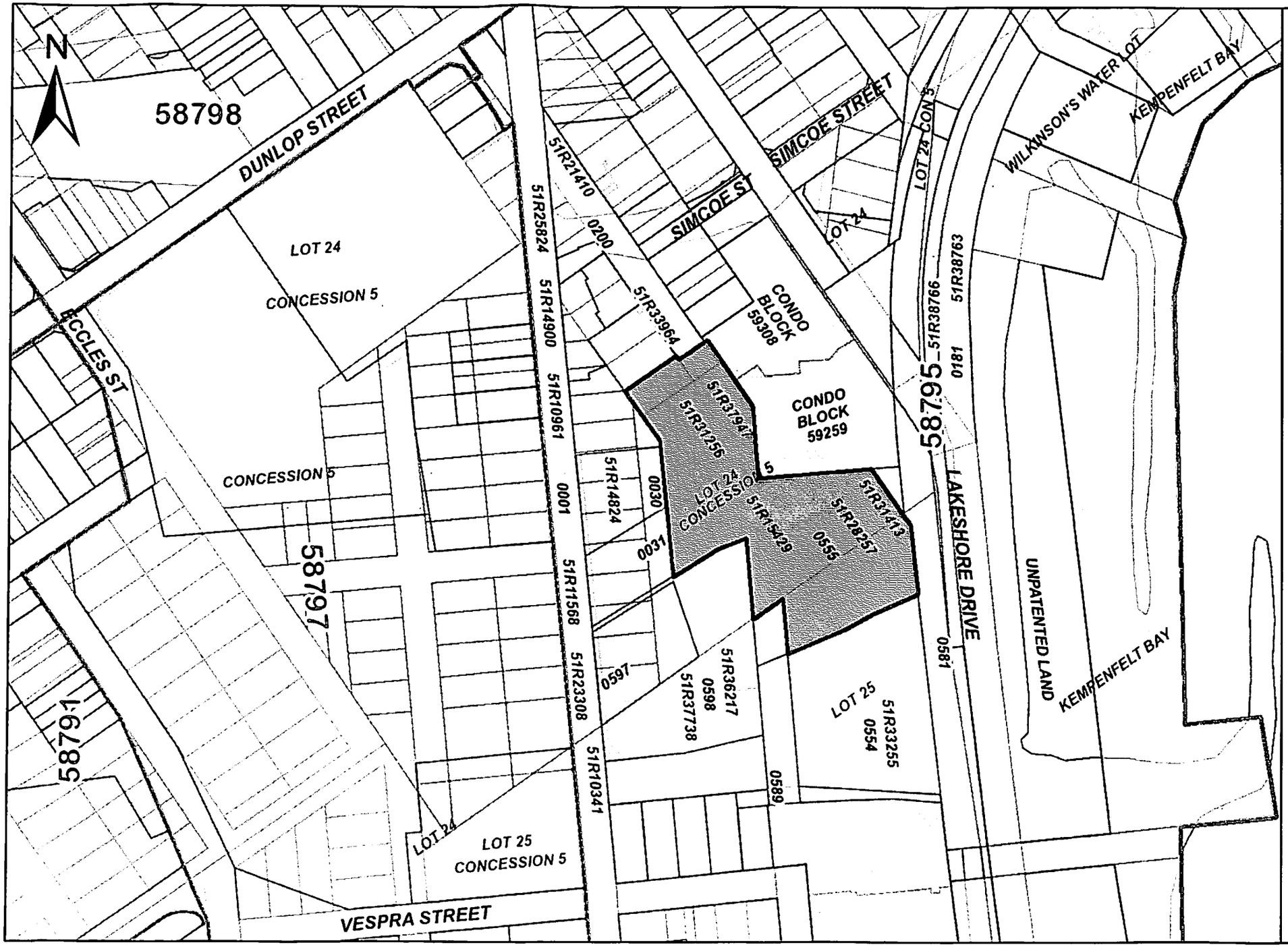

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SCALE

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PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lot 24 Con 5 Innisfil & lots 115,116 & Pt lot 117 Robert Ross Plan desig. As Part 3, 51R36217
PIN #: 58795-0597(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	20 11 1833	Crown	David EDGAR
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6594	Deed (Pt lot 24 Con 5)	13 06 1900	Robert Ross - estate	The Barrie Tanning Company Limited
6667	Deed (lots 115-117 Robert Ross Pl)	19 10 1900	Robert Ross - estate	Mary ROSS
6732	Deed	16 01 1901	Mary Ross	Alfred MORREN & Benjamin PARKER
7855	Deed	03 05 1904	Alfred Morren & Benjamin Parker	James CHEESMAN
10393	Deed	16 05 1908	James Cheesman	Henry JAMIESON
10394	Deed	16 05 1908	Henry Jamieson	Charles MICKLE & Simon DYMENT

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lot 24 Con 5 Innisfil & lots 115,116 & Pt lot 117 Robert Ross Plan desig. As Part 3, 51R36217
PIN #: 58795-0597(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
21764	Deed	10 12 1931	Charles Mickle & Simon Dyment	Mickle Dyment & Son Limited
21765	Deed	10 12 1931	Mickle Dyment & Son Limited	George CAMERON & Harry ELLIS c.o.b. as Cameron & Ellis
22645	Deed	08 07 1935	The Barrie Tanning Company Ltd.	The Barrie Tanning Co. Ltd.
22646	Deed (Pt lot 24 Con 5)	08 07 1935	The Barrie Tanning Co. Ltd.	Barrie Tanning Limited
22720	Deed (lots 115-117 Robert Ross Pl)	23 10 1935	George Cameron & Harry Ellis	Barrie Tanning Limited
880918	Deed	15 10 1985	Barrie Tanning Limited	629508 Ontario Ltd.
923455	Deed	15 10 1986	629508 Ontario Ltd.	French Motors (Barrie) Ltd.
RO1329822	Deed	21 11 1996	French Motors (Barrie) Ltd.	796531 Ontario Ltd., in trust
SC668394	Deed	31 07 2008	Rodann Investments Inc. (formerly 796531 Ontario Ltd.)	Blue Simcoe Developments Inc.

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #:	1-17-0147-41	**Searched at:**	Barrie	
Address:	75 Bradford Street, Barrie	**LRO #:**	51	Page 3
Legal Description:	Pt lot 24 Con 5 Innisfil & lots 115,116 & Pt lot 117 Robert Ross Plan desig. As Part 3, 51R36217			
PIN #:	58795-0597(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983675	Deed	25 05 2012	Blue Simcoe Developments Inc.	Harmony Village-Lake Simcoe Inc.
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Wayne Safety Limited et al (Mortgagee)
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al (Harmony Village-Lake Simcoe Inc defaulted in SC983676)	**Fortress Kempenfelt Bay Developments Inc.**

PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 INNISFIL & LTS 115, 116 & PT LT 117 ON ROBERT ROSS UNREGISTERED PLAN, VESPRA BEING PT 3 PL 51R36217, T/W EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0144

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/07/28 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
RO1329822	1996/11/21	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	796531 ONTARIO LIMITED	
REMARKS: RE: CHANGE OF NAME RO1472445 & RO1472330						
51R36217	2008/07/16	PLAN REFERENCE				C
SC668394	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.	BLUE SIMCOE DEVELOPMENTS INC.	
REMARKS: PLANNING ACT STATEMENTS						
SC668406	2008/07/31	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	RODANN INVESTMENTS INC.	
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880311	2011/01/27	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959401	2012/01/25	CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC.	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959425	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		
	REMARKS: SC880311.					
SC959569	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** RODANN INVESTMENTS INC.		
	REMARKS: SC668406.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	
SC983679	2012/05/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959401.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	

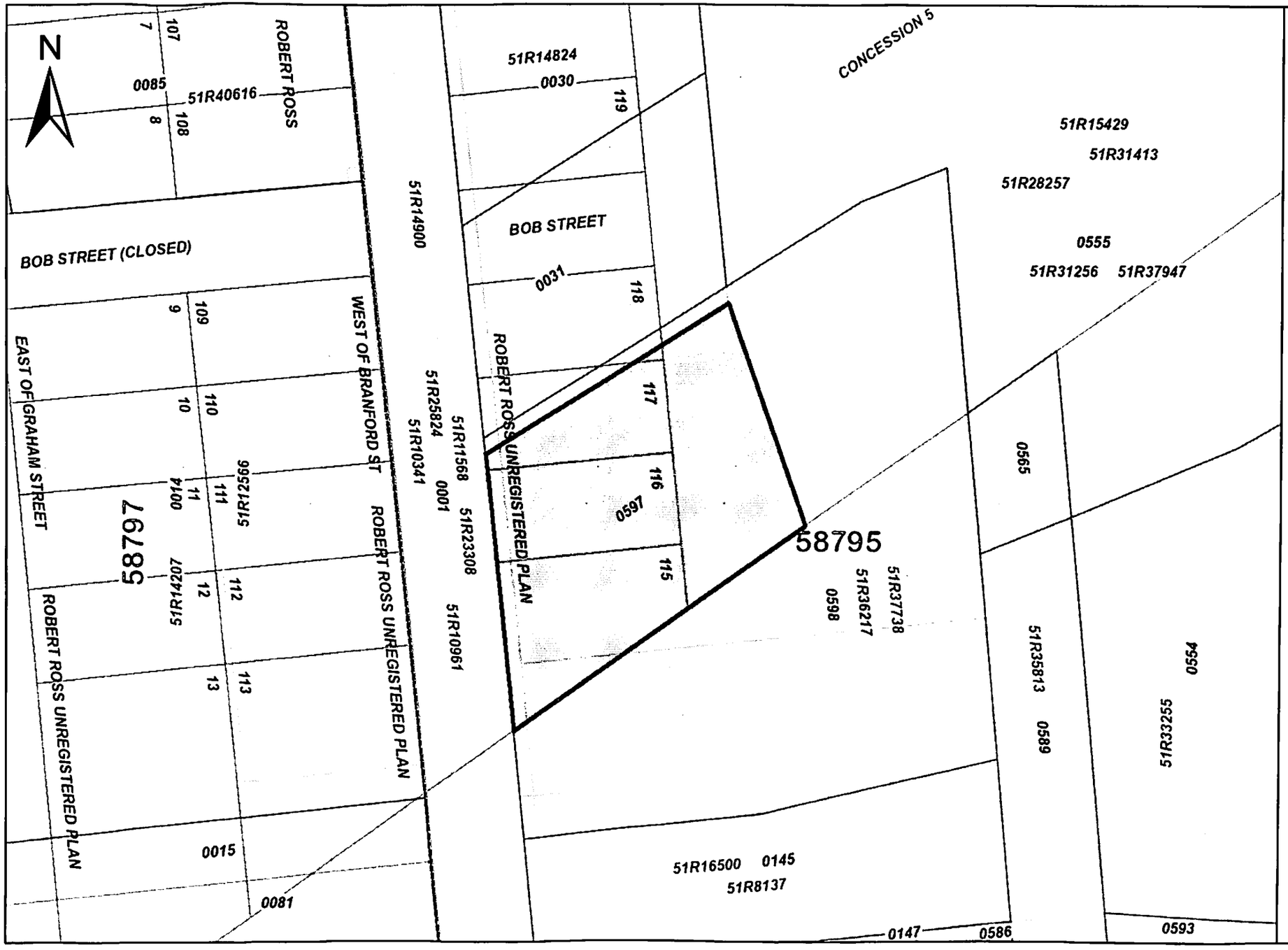
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
	REMARKS: SC1366767 - RENTS					
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C



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PRINTED ON 16 MAR, 2017 AT 10:02:23
FOR CHAIN

SCALE

0 30 meters

PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lots 24 & 25 Con 5 Innisfil & Pt lot 117 & 118 Robert Ross Plan desig. As Parts 2, 4 & 5, 51R36217
PIN #: 58795-0598(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (lot 25, Con 5)	31 05 1821	Crown	James CHEWETT
	Patent (lot 24, Con 5)	20 11 1833	Crown	David EDGAR
527	Deed	06 12 1832	James Chewett	Robert ROSS
1517	Deed	03 03 1836	David Edgar	Richard COBB
3441	Deed	27 03 1838	Richard Cobb	Robert ROSS
6667	Deed	19 10 1900	Robert Ross - estate	Mary ROSS
6732	Deed	16 01 1901	Mary Ross	Alfred MORREN & Benjamin PARKER
7855	Deed	03 05 1904	Alfred Morren & Benjamin Parker	James CHEESMAN
10393	Deed	16 05 1908	James Cheesman	Henry JAMIESON

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lots 24 & 25 Con 5 Innisfil & Pt lot 117 & 118 Robert Ross Plan desig. As Parts 2, 4 & 5, 51R36217
PIN #: 58795-0598(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
10394	Deed	16 05 1908	Henry Jamieson	Charles MICKLE & Simon DYMENT
21764	Deed	10 12 1931	Charles Mickle & Simon Dyment	Mickle Dyment & Son Limited
21765	Deed	10 12 1931	Mickle Dyment & Son Limited	George CAMERON & Harry ELLIS
31198	Deed	06 01 1948	George Cameron & Harry Ellis	Cameron, Ellis, Gibson Limited
35948	Deed	09 04 1952	Cameron, Ellis, Gibson Limited	Charles Philip John FRENCH
RO1297070	Easement (over Pt 5, 51R36217)	25 10 1995	Charles P.J. French	The Consumers Gas Company Ltd
RO1329823	Deed	21 11 1996	Charles P.J. French - estate	Howard Roederick MCKAY Valerie Ann MCKAY
SC668396	Deed	31 07 2008	Howard & Valerie McKay	Perfect Northern Developments Corporation
SC983675	Deed	25 05 2012	Perfect Northern Developments Limited	Harmony Village-Lake Simcoe Inc.

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: 1-17-0147-41
Address: 75 Bradford Street, Barrie
Legal Description: Pt lots 24 & 25 Con 5 Innisfil & Pt lot 117 & 118 Robert Ross Plan desig. As Parts 2, 4 & 5, 51R36217
PIN #: 58795-0598(LT)

Searched at: Barrie
LRO #: 51

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
SC983676	Mortgage	25 05 2012	Harmony Village-Lake Simcoe Inc.	Blue Simcoe Developments Inc. (Mortgagee)
SC983677	Assigns Mortgage #SC983676	25 05 2012	Blue Simcoe Developments Inc.	Wayne Safety Limited et al
SC1366766	Deed (Present Owner)	30 11 2016	Wayne Safety Limited et al	**Fortress Kempenfelt Bay Developments Inc.**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #51

58795-0598 (LT)

PREPARED FOR Bertuccil
ON 2017/03/16 AT 09:58:53

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

PROPERTY DESCRIPTION: PT E PT LT 24 CON 5 & PT BROKEN LT 25 CON 5 INNISFIL & PT LT 117 & 118 ROBERT ROSS UNREGISTERED PLAN VESPRA BEING PTS 2, 4 & 5 PL 51R36217, S/T EASEMENT OVER PT 2 PL 51R36217 AS IN RO196786, S/T EASEMENT OVER PT 5 PL 51R36217 AS IN RO1297070; BARRIE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 58795-0143

PIN CREATION DATE:
2008/07/28

OWNERS' NAMES
FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/07/28 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/07/28 **						
RO1297070	1995/10/25	TRANSFER EASEMENT			THE CONSUMERS' GAS COMPANY LTD.	C
RO1329823	1996/11/21	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	MCKAY, HOWARD RODERICK MCKAY, VALERIE ANN	
51R36217	2008/07/16	PLAN REFERENCE				C
SC668396	2008/07/31	TRANSFER		*** COMPLETELY DELETED *** MCKAY, HOWARD RODERICK MCKAY, VALERIE ANN	PERFECT NORTHERN DEVELOPMENTS CORPORATION	
REMARKS: PLANNING ACT STATEMENTS						
SC668408	2008/07/31	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	MCKAY, HOWARD REDERICK MCKAY, VALERIE ANN	
SC867999	2010/11/25	LR'S ORDER		*** COMPLETELY DELETED ***		

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				LAND REGISTRAR, LRO# 51		
SC868100	2010/11/25	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
51R37738	2010/12/20	PLAN REFERENCE				C
SC874963	2010/12/23	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** TERRAPROBE INC.		
	REMARKS: SC868100.					
SC880313	2011/01/27	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA	
51R37947	2011/05/30	PLAN REFERENCE				C
SC959404	2012/01/25	CHARGE		*** COMPLETELY DELETED *** PERFECT NORTHERN DEVELOPMENTS CORPORATION	1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA	
SC959427	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** 457351 ONTARIO INC. FAIN, RAUL WOOLLCOTT, MARIA PANTOFARU, MIRCEA		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC880313.					
SC959568	2012/01/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** MCKAY, HOWARD REDERICK MCKAY, VALERIE ANN		
	REMARKS: SC668408.					
SC983675	2012/05/25	TRANSFER		*** COMPLETELY DELETED *** 1662894 ONTARIO INC. 1662893 ONTARIO INC. BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION	HARMONY VILLAGE-LAKE SIMCOE INC.	
	REMARKS: PLANNING ACT STATEMENTS					
SC983676	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	
SC983677	2012/05/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** BLUE SIMCOE DEVELOPMENTS INC. PERFECT NORTHERN DEVELOPMENTS CORPORATION 1662893 ONTARIO INC. 1662894 ONTARIO INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	
	REMARKS: SC983676.					
SC983678	2012/05/25	CHARGE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC983692	2012/05/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** 1512003 ONTARIO LIMITED SCASCIA PORTA INVESTMENTS INC. CLAUDIA STANTE HOLDINGS INC. NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED RALCAP INVESTMENTS CORPORATION GREEN, JERRY ROTSTEIN, HARRY PANTOFARU, MIRCEA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE NOBLE, LISA WOOLLCOTT, MARIA		
	REMARKS: SC959404.					
SC983799	2012/05/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC987061	2012/06/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST	SORRENTI, DEREK OLYMPIA TRUST	
	REMARKS: SC983678.					
SC988511	2012/06/14	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC988814	2012/06/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678. SC983678					
SC992696	2012/06/29	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK	SORRENTI, DEREK	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC994354	2012/07/06	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC996669	2012/07/16	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC998991	2012/07/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1003131	2012/08/10	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1015390	2012/10/01	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1021220	2012/10/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1027690	2012/11/30	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1040231	2013/02/11	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		
				SORRENTI, DEREK	SORRENTI, DEREK	
				OLYMPIA TRUST COMPANY	OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1047295	2013/03/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1047329	2013/03/26	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1047938	2013/03/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1052833	2013/04/25	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1056661	2013/05/15	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1064278	2013/06/20	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1065882	2013/06/27	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1070663	2013/07/17	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1079239	2013/08/22	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: SC983678.					
SC1087334	2013/09/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1102048	2013/11/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1106855	2013/12/18	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: AMENDING SC983678					
SC1112454	2014/01/27	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1116648	2014/02/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121104	2014/03/21	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1121273	2014/03/24	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1127160	2014/04/28	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1141907	2014/07/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1147037	2014/07/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1163105	2014/09/26	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1167670	2014/10/16	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
SC1174550	2014/11/13	CERTIFICATE		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.	HARMONY VILLAGE LAKE SIMCOE INC. CITY CORE DEVELOPMENTS INC. OLYMPIA TRUST COMPANY SORRENTI, DEREK	
	REMARKS: SC1167670 - CERTIFICATE OF ACTION					
SC1215062	2015/06/02	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** LIVE WORK LEARN PLAY INC.		
	REMARKS: SC1167670.					
SC1215299	2015/06/03	NOTICE		*** COMPLETELY DELETED *** HARMONY VILLAGE-LAKE SIMCOE INC.	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678					
SC1215320	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1215326	2015/06/03	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	 SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
SC1224897	2015/07/07	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1244168	2015/09/14	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1251657	2015/10/13	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	SORRENTI, DEREK OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1335330	2016/08/24	TRANSFER OF CHARGE		*** COMPLETELY DELETED *** SORRENTI, DEREK OLYMPIA TRUST COMPANY	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	
	REMARKS: SC983678.					
SC1366766	2016/11/30	TRANS POWER SALE	$22,837,989	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY NOBLE, LISA ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	C
	REMARKS: SC983676.					
SC1366767	2016/11/30	CHARGE	$7,000,000	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C
SC1366768	2016/11/30	NO ASSGN RENT GEN		FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	VECTOR FINANCIAL SERVICES LIMITED	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: SC1366767 - RENTS						
SC1366769	2016/11/30	CHARGE	$17,160,963	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	C
SC1366961	2016/12/01	TRANSFER OF CHARGE		WAYNE SAFETY LIMITED NOBLE, LILLIAN NOBLE, LISA NOBLE, BARRY TURK, MARVYN JAY TURK, DEBRA FERN GLENCLIFF CONSTRUCTION LIMITED ROTSTEIN, HARRY RALCAP INVESTMENTS CORPORATION GREEN, JERRY NESPOLO, JOSIE NESPOLO, LUCIO ROTMAN, MORRY ROTMAN, KAY ROTSTEIN, CHARLES ROTSTEIN, LORRAINE PAPE, GAIL NOBLE, LISA	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OLYMPIA TRUST COMPANY	C
REMARKS: SC1366769.						
SC1374427	2016/12/23	CHARGE	$784,269	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.	BUILDING & DEVELOPMENT MORTGAGES CANADA INC. OYLMPIA TRUST COMPANY	C

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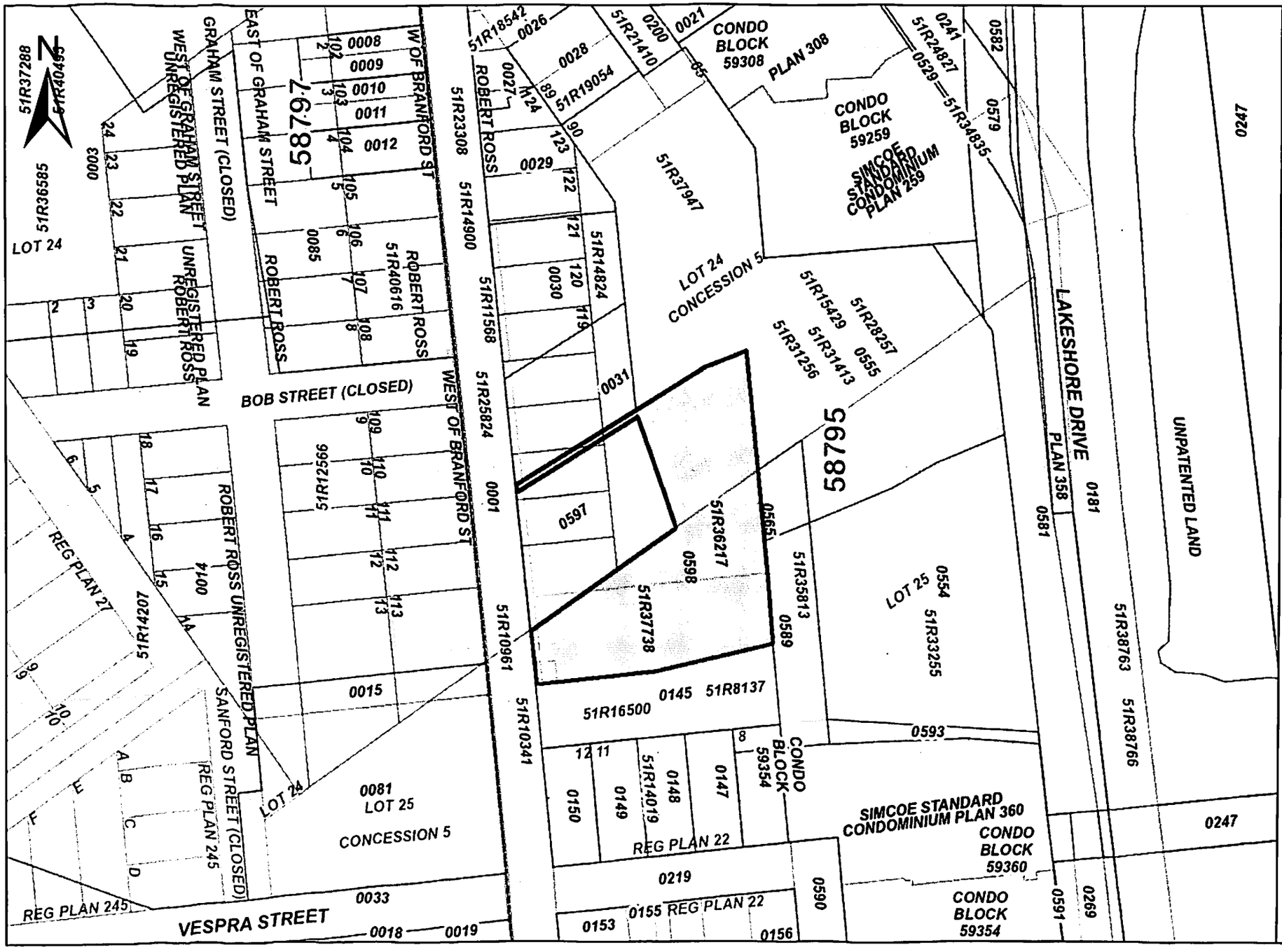

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FOR CHAIN

SCALE

0 30 60 90 meters

PROPERTY INDEX MAP

SIMCOE(No. 51)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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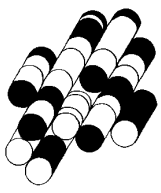
APPENDIX J

TERRAPROBE INC.



ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*51-75 Bradford St, Barrie* *75 Bradford St* *Barrie ON L4N3A7*
Project No:	*1-17-0147-41*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20170315162*
Requested by:	*Terraprobe Ltd*
Date Completed:	*March 22, 2017*

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

www.erisinfo.com

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Executive Summary

Property Information:

Project Property:	*51-75 Bradford St, Barrie* *75 Bradford St Barrie ON L4N3A7*
Project No:	*1-17-0147-41*

Order Information:

Order No:	*20170315162*
Date Requested:	*March 15, 2017*
Requested by:	*Terraprobe Ltd*
Report Type:	*Quote - Custom-Build Your Own Report*

Additional Products:

Aerial Photographs	*National Collection - Digital (PDF)*
Insurance Products	*Site Specific Plans*
Insurance Products	*Inspection Reports*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Specific Plans*
Insurance Products	*Fire Insurance Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	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	2	2
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	10	10
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	14	16
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	12	12
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	1	1
FSTH	Fuel Storage Tank - Historic	Y	0	1	1
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	60	60
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	4	4
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
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	2	2
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	6	6
RST	Retail Fuel Storage Tanks	Y	0	1	1
SCT	Scott's Manufacturing Directory	Y	0	8	8
SPL	Ontario Spills	Y	0	31	31
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	3	32	35
	Total:		5	186	191

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		75 Bradford St Barrie ON L4N3A7	-/0.0	0.00	29
2	EHS		Bradford Street Barrie ON	-/0.0	1.00	29
3	WWIS		lot 24 con 5 Barrie ON	-/0.0	1.00	29
4	WWIS		ON	-/0.0	0.00	31
5	WWIS		lot 24 con 5 BARRIE ON	-/0.0	0.00	34

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
6	WWIS		ON	SW/16.5	0.00	36
6	WWIS		ON	SW/16.5	0.00	37
7	SCT	Fellowship Publications Inc - Fellowship Magazine	Barrie ON	WSW/24.5	1.61	37
7	SCT	FELLOWSHIP PUBLICATIONS INC	Barrie ON L4M	WSW/24.5	1.61	37
8	EHS		80 Bradford St Barrie ON L4N 6S7	SW/25.5	0.00	38
8	EXP	TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	SW/25.5	0.00	38
8	EXP	TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	SW/25.5	0.00	38
8	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.5	0.00	38
8	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON	SW/25.5	0.00	39
8	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.5	0.00	39
8	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.5	0.00	39
8	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.5	0.00	40
8	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.5	0.00	40
8	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON	SW/25.5	0.00	40
8	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.5	0.00	40
8	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.5	0.00	41
8	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.5	0.00	41
8	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.5	0.00	41
8	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.5	0.00	42
8	GEN	Peto MacCallum Ltd.	80 Bradford Street, Suite 300 Barrie ON	SW/25.5	0.00	42
8	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.5	0.00	42
8	GEN	The Aerarium Group	80 Bradford St. Suite # 300 Barrie ON L4N 6S7	SW/25.5	0.00	43
8	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.5	0.00	43

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	SCT	BARRIE BLUE PRINTING	80 BRADFORD ST BARRIE ON L4N 6S7	SW/25.5	0.00	43
8	SCT	Fellowship Publications Inc - Fellowship Magazine	80 Bradford St Unit 311 Barrie ON L4N 6S7	SW/25.5	0.00	43
8	SCT	Fellowship Magazine	80 Bradford St Suite 311 Barrie ON L4N 6S7	SW/25.5	0.00	44
8	SPL	RESTAURANT	80 BRADFORD ST. (N.O.S.) BARRIE CITY ON L4N 6S7	SW/25.5	0.00	44
8	SPL	UNKNOWN	80 BRADFORD ST. LANEWAY AT SIDE OF BLDG. SEWER BARRIE CITY ON L4N 6S7	SW/25.5	0.00	44
8	SPL		80 Bradford St Barrie ON L4N 6S7	SW/25.5	0.00	45
8	SPL		80 Bradford St<UNOFFICIAL> Barrie ON L4N 6S7	SW/25.5	0.00	45
8	SPL	The Corporation of the City of Barrie	80 Bradford St. Barrie ON	SW/25.5	0.00	45
8	SPL		80 Bradford St Barrie ON L4N 6S7	SW/25.5	0.00	46
8	SPL	COMMERCIAL BUILDING	80 BRADFORD ST., BARRIE BY THE BAY COMMERCIAL CENTRE. BARRIE CITY ON L4N 6S7	SW/25.5	0.00	46
9	WWIS		ON	NE/28.8	0.00	46
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	47
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON	W/29.1	2.00	47
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	48
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	48
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	PRINCE OF WALES PUBLIC SCHOOL 50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	49
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	49
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	49
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	50
10	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	W/29.1	2.00	50
11	CA	All Wash Incorporation	93 Bradford St Barrie ON L4N 3A7	SSW/34.1	0.00	51
11	SPL	BARRIE PUBLIC UTILITIES COMMIS	93 BRADFORD ST. TRANSFORMER BARRIE CITY ON L4N 3A7	SSW/34.1	0.00	51
12	SPL	The Corporation of the City of Barrie	Closest int at Lakeshore Drive and Toronto Street Barrie ON	ENE/35.9	-1.00	51
12	SPL		Outfall at Lakeshore Drive & Toronto Street Barrie ON	ENE/35.9	-1.00	52
13	GEN	City of Barrie	15 High Street Barrie ON L4N 1V9	N/42.9	2.00	52

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	SPL		1 Toronto Street Barrie ON	ENE/44.2	-0.72	52
15	EHS		38 Bradford Street Barrie ON L4N 3A8	NW/50.3	3.59	53
16	WWIS		BARRIE ON	NNW/53.6	2.00	53
17	CA		2 Toronto Street Barrie ON L4N 9R2	NE/64.1	0.00	54
17	CA	The Corporation of the City of Barrie	#2 Toronto Street Barrie ON L4N 9R2	NE/64.1	0.00	55
18	RSC	Victoria Square Developments Inc.	No municipal address BARRIE ON	SSE/67.0	-1.00	55
19	RSC	Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9, , ON L4N 6E9	SSE/71.1	-1.00	56
19	RSC	Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	SSE/71.1	-1.00	56
19	RSC	Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	SSE/71.1	-1.00	57
20	GEN	LEADING EDGE GRAPHICS	14 HIGH STREET SUITE 300 BARRIE ON L4N 1W1	NNW/76.8	2.69	57
21	EXP	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	ENE/84.8	-1.50	57
21	EXP	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	ENE/84.8	-1.50	58
21	EXP	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	ENE/84.8	-1.50	58
21	FST	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	ENE/84.8	-1.50	58
21	FSTH	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	ENE/84.8	-1.50	58
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	ENE/84.8	-1.50	59
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	ENE/84.8	-1.50	59
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	ENE/84.8	-1.50	59
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	ENE/84.8	-1.50	60
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	ENE/84.8	-1.50	60
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	ENE/84.8	-1.50	60
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	ENE/84.8	-1.50	61
21	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	ENE/84.8	-1.50	61
21	PRT	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	ENE/84.8	-1.50	61
21	SPL	Ford On-Site Services Ltd.	PARKING LOT AT 55 LAKESHORE RD<UNOFFICIAL> Barrie ON	ENE/84.8	-1.50	61
21	SPL	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	ENE/84.8	-1.50	62

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	SPL		55 Lakeshore Drive Barrie ON	ENE/84.8	-1.50	62
21	SPL	PRIVATE OWNER	55 LAKESHORE DR. ""D"" DOCK SLIP #34 PLEASURE CRAFT BARRIE CITY ON	ENE/84.8	-1.50	63
21	SPL		55 Lakeshore Dr BARRIE MARINA<UNOFFICIAL> Barrie ON	ENE/84.8	-1.50	63
21	SPL		55 Lakeshore Blvd CITY OF BARRIE MARINA<UNOFFICIAL> Barrie ON	ENE/84.8	-1.50	63
21	SPL		55S Lakeshore Dr Lakeshore Mews Barrie ON NA	ENE/84.8	-1.50	64
21	SPL	The Corporation of the City of Barrie	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	ENE/84.8	-1.50	64
22	SPL	CAR WASH	34 VESPRA STREET BARRIE CITY ON L4N 2G6	SSW/86.5	0.00	64
23	WWIS		 Barrie ON	WNW/86.7	4.00	65
24	EHS		Bradford St. (Highway 11) Barrie ON	SSW/86.8	1.00	67
25	GEN	Fercan Developments Inc.	100 Bradford Street Barrie ON L4N 3A8	SSW/88.0	1.00	67
26	WWIS		 BARRIE ON	NNW/90.6	3.00	67
27	CA	BARRIE CITY	VESPRA ST/BRADFORD ST/ELLEN ST BARRIE CITY ON	S/96.3	0.00	72
28	CA	P.U.C. BARRIE	VESPRA ST/ELLEN ST. BARRIE CITY ON	S/100.9	-1.00	73
29	EHS		Simcoe And Toronto, Barrie Barrie ON	N/101.6	1.14	73
30	WWIS		 Barrie ON	SSW/101.9	2.00	73
31	SPL		Toronto and Simcoe Street Barrie ON	N/102.6	1.18	75
32	WWIS		 Barrie ON	NE/102.9	0.00	76
33	SPL	The Corporation of the City of Barrie	intersection of Simcoe and Bradford St Barrie ON	NNW/104.4	3.15	78
34	CA	The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON	N/106.9	2.00	78
35	WWIS		 Barrie ON	NW/108.5	4.00	79
36	SPL	PRIVATE OWNER	CITY OF BARRIE MARINA H-PIER PLEASURE CRAFT BARRIE CITY ON	ENE/111.6	-2.00	80
37	EHS		28 Toronto Street Barrie ON	N/114.4	2.00	81
38	SPL		31 Vespra Street Barrie ON	S/115.3	0.38	81
39	RSC	Victoria Square Developments Inc	No municipal address, BARRIE ON	SSE/118.2	-1.00	81
40	EHS		25 Bradford St. 15 High St. Four Son's Auto Service Ltd. Barrie ON L4N 3A7	NNW/122.4	3.00	82

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
41	WWIS		Barrie ON	N/125.0	1.00	82
42	WWIS		Barrie ON	N/127.4	1.00	84
43	EHS		28 Toronto St Barrie ON L4N1T9	N/128.8	2.00	87
44	SPL	The Corporation of the City of Barrie	15 - 39 High St Simcoe Street & 2-28 Toronto St Barrie ON	NNW/129.0	3.00	87
45	WWIS		ON	SE/129.1	-1.00	87
45	WWIS		ON	SE/129.1	-1.00	88
46	WWIS		Barrie ON	SW/130.7	2.43	89
47	WWIS		BARRIE ON	NNW/130.9	3.00	91
48	EHS		36 Ellen St Barrie ON L4N3A3	S/132.7	0.00	94
49	WWIS		Barrie ON	NNE/136.1	0.78	94
50	GEN	BARRIE PUBLIC UTILITIES COMMISSION04-318	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	NNW/145.2	4.00	96
50	GEN	BARRIE PUBLIC UTILITIES COMMISSION	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	NNW/145.2	4.00	97
51	WWIS		ON	W/145.8	3.00	97
52	EHS		37 Ellen St Barrie ON	S/149.3	0.00	98
53	WWIS		ON	SE/150.0	-2.00	98
54	WWIS		ON	ENE/150.9	-2.00	103
55	EHS		11 High St. Barrie ON L4N 1V9	NNW/152.5	3.00	105
55	GEN	Painters Supply & Equipment (Canada) Inc.	11 High Street Barrie ON L4N 1V9	NNW/152.5	3.00	105
55	GEN	CARQUEST AUTOMOTIVE FINISHES CANADA LTD	11 HIGH STREET BARRIE ON L4N 1V9	NNW/152.5	3.00	105
56	WWIS		Barrie ON	NNE/156.2	0.00	105
57	SPL	PUC	25 TORONTO ST. BARRIE CITY ON L4N 1T8	N/159.8	1.00	10
58	EHS		34 Simcoe Street and 2 Mary Street Barrie ON	NNE/160.5	0.00	108
59	HINC		31B TORONTO STREET BARRIE ON L4N 1T8	N/161.4	2.00	108
60	GEN	Golfside Construction Limited	34 Simcoe Street Barrie ON	NNE/164.5	0.00	109
60	GEN	Golfside Construction Limited	34 Simcoe Street Barrie ON	NNE/164.5	0.00	109

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
60	SPL	The Corporation of the City of Barrie; Golfside Construction Ltd.	Toronto St and Marina; 34 Simcoe St Barrie; Barrie ON	NNE/164.5	0.00	109
61	EHS		36 Toronto St Barrie ON L4N1T9	N/165.0	3.00	109
62	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON	SSW/166.4	2.00	110
62	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/166.4	2.00	110
62	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/166.4	2.00	110
62	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON	SSW/166.4	2.00	110
62	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/166.4	2.00	111
62	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/166.4	2.00	111
62	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/166.4	2.00	111
62	GEN	Thowisel Limited	111 Bradford St. Barrie ON L4N 3A9	SSW/166.4	2.00	111
62	PRT	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N3A9	SSW/166.4	2.00	11
62	RST	TOM'S AUTO SERVICE	111 BRADFORD ST BARRIE ON L4N3A9	SSW/166.4	2.00	112
63	HINC		33 TORONTO STREET BARRIE ON L4N 1T8	N/170.8	2.00	112
64	GEN	HASSEY MANAGEMENT CORP	37 ELLEN STREET BARRIE ON	SSE/173.9	0.00	112
64	HINC		37 ELLEN STREET BARRIE ON L4N 6G2	SSE/173.9	0.00	113
64	RSC	Victoria Square Developments Inc.	37 Ellen Street Barrie Ontario, L4N 6G2 Barrie ON L4N 6G2	SSE/173.9	0.00	113
64	SCT	Axmith & Company Ltd.	37 Ellen St Suite 905 Barrie ON L4N 6G2	SSE/173.9	0.00	114
64	SPL	Enbridge Gas Distribution Inc.	37 Ellen St. Barrie ON L4N 6G2	SSE/173.9	0.00	114
65	HINC		35 TORONTO STREET BARRIE ON L4N 1T8	N/178.8	2.00	114
66	WWIS		ON	SW/181.6	3.00	115
67	WWIS		BARRIE ON	SSE/186.3	0.54	117
68	CA	BARRIE CITY - PT.LOTS 41&44,LOTS 42 & 49	MARY ST./SIMCOE ST. BARRIE CITY ON	NNE/192.5	0.00	11
69	ECA	120 Bradford Inc.	City of Barrie ON	SSW/193.7	2.63	118
70	SPL		12? Bradford St Barrie ON	NNW/198.4	4.00	119
71	WWIS		lot 24 ON	SE/198.6	-1.00	119
72	CA	P.U.C. BARRIE	ELLEN ST./VICTORIA ST. BARRIE CITY ON	S/200.1	1.00	12

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
73	SCT	Barrie Denture Clinic	5 Bradford St Barrie ON L4N 3A6	NNW/213.9	4.00	122
74	WWIS		ON	SW/214.9	3.30	122
75	CA	The Corporation of the City of Barrie	15-39 High Street, Simcoe Street & 2-28 Toronto Street Barrie ON	NNW/219.7	3.00	123
76	WWIS		ON	SE/220.7	-1.70	123
77	GEN	VALLEY BUS LINES (BARRIE) LTD.	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	NNE/223.9	0.71	127
77	GEN	VALLEY (OUT OF BUSINESS) 40-119	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	NNE/223.9	0.71	127
78	GEN	Sacksen Medicine Prof. Corp	11 Victoria St. Unit B1 Barrie ON L4N 6T3	SSE/225.8	1.00	128
78	GEN	Lakeshore Family Medicine	216-11 Victoria St. Barrie ON	SSE/225.8	1.00	128
78	GEN	Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	SSE/225.8	1.00	128
78	GEN	Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	SSE/225.8	1.00	129
79	EHS		11 Victoria Street Barrie ON L4N 6T3	SSE/230.6	1.00	129
80	CA		13 Mary Street Barrie ON	NNE/232.6	1.00	129
81	WWIS		Barrie ON	SW/232.9	4.00	130
81	WWIS		Barrie ON	SW/232.9	4.00	131
82	EHS		35-39 High Street Barrie ON L4N 1W2	NNW/234.6	4.00	133
83	INC		LAKESHORE DR & VICTORIA ST, BARRIE ON	SSE/238.7	0.00	133
83	SPL	The Corporation of the City of Barrie	Victoria Street and Lakeshore Drive Barrie ON	SSE/238.7	0.00	134
83	SPL	The Corporation of the City of Barrie; Atlas Dewatering Corporation	Corner of Lakeshore and Victoria Barrie ON	SSE/238.7	0.00	134
84	WWIS		ON	NNE/239.9	2.00	135
85	ANDR	Vespra & Innisfil Dump II	Barrie ON L4N	WSW/244.5	2.10	13
85	ANDR	Vespra & Brantford St Dump	Barrie ON L4N	WSW/244.5	2.10	13
86	WWIS		ON	WSW/245.1	2.00	139
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	141
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	142
87	GEN	SIMCOE BOARD OF EDUCATION	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	143

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
87	GEN	SIMCOE BOARD OF EDUCATION 35-746	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	143
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	144
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	145
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	146
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	147
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON	NW/247.3	4.00	148
87	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/247.3	4.00	149
88	SCT	Owen Signcraft Limited	48 Ellen St Barrie ON L4N 3A4	S/248.0	2.00	14
89	WWIS		Barrie ON	SW/248.6	4.00	150
89	WWIS		Barrie ON	SW/248.6	4.00	152
90	WWIS		ON	SSW/249.4	4.00	153

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 2 ANDR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Vespra & Brantford St Dump	Barrie ON L4N	244.5	85
Vespra & Innisfil Dump II	Barrie ON L4N	244.5	85

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 10 CA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
All Wash Incorporation	93 Bradford St Barrie ON L4N 3A7	34.1	11
	2 Toronto Street Barrie ON L4N 9R2	64.1	17
The Corporation of the City of Barrie	#2 Toronto Street Barrie ON L4N 9R2	64.1	17
BARRIE CITY	VESPRA ST/BRADFORD ST/ELLEN ST BARRIE CITY ON	96.3	27
P.U.C. BARRIE	VESPRA ST/ELLEN ST. BARRIE CITY ON	100.9	28
The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON	106.9	34
BARRIE CITY - PT.LOTS 41&44,LOTS 42 & 49	MARY ST./SIMCOE ST. BARRIE CITY ON	192.5	68
P.U.C. BARRIE	ELLEN ST./VICTORIA ST. BARRIE CITY ON	200.1	72
The Corporation of the City of Barrie	15-39 High Street, Simcoe Street & 2-28 Toronto Street Barrie ON	219.7	75
	13 Mary Street Barrie ON	232.6	80

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Nov 2016 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
120 Bradford Inc.	City of Barrie ON	193.7	69

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 16 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	75 Bradford St Barrie ON L4N3A7	0.0	1
	Bradford Street Barrie ON	0.0	2
	80 Bradford St Barrie ON L4N 6S7	25.5	8
	38 Bradford Street Barrie ON L4N 3A8	50.3	15
	Bradford St. (Highway 11) Barrie ON	86.8	24
	Simcoe And Toronto, Barrie Barrie ON	101.6	29
	28 Toronto Street Barrie ON	114.4	37
	25 Bradford St. 15 High St. Four Son's Auto Service Ltd. Barrie ON L4N 3A7	122.4	40
	28 Toronto St Barrie ON L4N1T9	128.8	43
	36 Ellen St Barrie ON L4N3A3	132.7	48
	37 Ellen St Barrie ON	149.3	52
	11 High St. Barrie ON L4N 1V9	152.5	55
	34 Simcoe Street and 2 Mary Street Barrie ON	160.5	58
	36 Toronto St Barrie ON L4N1T9	165.0	61
	11 Victoria Street Barrie ON L4N 6T3	230.6	79
	35-39 High Street Barrie ON L4N 1W2	234.6	82

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Oct 31, 2016 has found that there are 12 EXP site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	25.5	8
TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	25.5	8
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.8	21
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	84.8	21
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.8	21
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	166.4	62
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	166.4	62
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	166.4	62
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	166.4	62
THOWISEL LTD	111 BRADFORD ST BARRIE ON	166.4	62
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	166.4	62
THOWISEL LTD	111 BRADFORD ST BARRIE ON	166.4	62

FST - Fuel Storage Tank

A search of the FST database, dated Oct 31, 2016 has found that there are 1 FST site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	84.8	21

FSTH - Fuel Storage Tank - Historic

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

Site	Address	Distance (m)	Map Key
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.8	21

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 60 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.5	8
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON	25.5	8
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.5	8
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.5	8
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.5	8
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.5	8
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON	25.5	8
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.5	8
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.5	8
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.5	8
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.5	8
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.5	8
Peto MacCallum Ltd.	80 Bradford Street, Suite 300 Barrie ON	25.5	8
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.5	8
The Aerarium Group	80 Bradford St. Suite # 300 Barrie ON L4N 6S7	25.5	8
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.5	8
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON	29.1	10
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10
SIMCOE COUNTY DISTRICT SCHOOL BOARD	PRINCE OF WALES PUBLIC SCHOOL 50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10

Site	Address	Distance (m)	Map Key
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	29.1	10
City of Barrie	15 High Street Barrie ON L4N 1V9	42.9	13
LEADING EDGE GRAPHICS	14 HIGH STREET SUITE 300 BARRIE ON L4N 1W1	76.8	20
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.8	21
Fercan Developments Inc.	100 Bradford Street Barrie ON L4N 3A8	88.0	25
BARRIE PUBLIC UTILITIES COMMISSION04-318	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	145.2	50
BARRIE PUBLIC UTILITIES COMMISSION	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	145.2	50
Painters Supply & Equipment (Canada) Inc.	11 High Street Barrie ON L4N 1V9	152.5	55
CARQUEST AUTOMOTIVE FINISHES CANADA LTD	11 HIGH STREET BARRIE ON L4N 1V9	152.5	55
Golfside Construction Limited	34 Simcoe Street Barrie ON	164.5	60
Golfside Construction Limited	34 Simcoe Street Barrie ON	164.5	60
Thowisel Limited	111 Bradford St. Barrie ON L4N 3A9	166.4	62
HASSEY MANAGEMENT CORP	37 ELLEN STREET BARRIE ON	173.9	64
VALLEY BUS LINES (BARRIE) LTD.	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	223.9	77

Site	Address	Distance (m)	Map Key
VALLEY (OUT OF BUSINESS) 40-119	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	223.9	77
Sacksen Medicine Prof. Corp	11 Victoria St. Unit B1 Barrie ON L4N 6T3	225.8	78
Lakeshore Family Medicine	216-11 Victoria St. Barrie ON	225.8	78
Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	225.8	78
Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	225.8	78
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE BOARD OF EDUCATION	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE BOARD OF EDUCATION 35-746	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON	247.3	87
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	247.3	87

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 4 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	31B TORONTO STREET BARRIE ON L4N 1T8	161.4	59
	33 TORONTO STREET BARRIE ON L4N 1T8	170.8	63
	37 ELLEN STREET BARRIE ON L4N 6G2	173.9	64
	35 TORONTO STREET BARRIE ON L4N 1T8	178.8	65

INC - TSSA Incidents

A search of the INC database, dated Oct 31, 2016 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	LAKESHORE DR & VICTORIA ST, BARRIE ON	238.7	83

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.8	21
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N3A9	166.4	62

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Dec 2016 has found that there are 6 RSC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Victoria Square Developments Inc.	No municipal address BARRIE ON	67.0	18
Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	71.1	19
Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9, , ON L4N 6E9	71.1	19
Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	71.1	19
Victoria Square Developments Inc	No municipal address, BARRIE ON	118.2	39
Victoria Square Developments Inc.	37 Ellen Street Barrie Ontario, L4N 6G2 Barrie ON L4N 6G2	173.9	64

RST - Retail Fuel Storage Tanks

A search of the RST database, dated Oct 31, 2016 has found that there are 1 RST site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
TOM'S AUTO SERVICE	111 BRADFORD ST BARRIE ON L4N3A9	166.4	62

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 8 SCT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
FELLOWSHIP PUBLICATIONS INC	Barrie ON L4M	24.5	7
Fellowship Publications Inc - Fellowship Magazine	Barrie ON	24.5	7
Fellowship Magazine	80 Bradford St Suite 311 Barrie ON L4N 6S7	25.5	8
BARRIE BLUE PRINTING	80 BRADFORD ST BARRIE ON L4N 6S7	25.5	8
Fellowship Publications Inc - Fellowship Magazine	80 Bradford St Unit 311 Barrie ON L4N 6S7	25.5	8
Axmith & Company Ltd.	37 Ellen St Suite 905 Barrie ON L4N 6G2	173.9	64
Barrie Denture Clinic	5 Bradford St Barrie ON L4N 3A6	213.9	73
Owen Signcraft Limited	48 Ellen St Barrie ON L4N 3A4	248.0	88

SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2016 has found that there are 31 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
RESTAURANT	80 BRADFORD ST. (N.O.S.) BARRIE CITY ON L4N 6S7	25.5	8
UNKNOWN	80 BRADFORD ST. LANEWAY AT SIDE OF BLDG. SEWER BARRIE CITY ON L4N 6S7	25.5	8
	80 Bradford St Barrie ON L4N 6S7	25.5	8
	80 Bradford St<UNOFFICIAL> Barrie ON L4N 6S7	25.5	8
The Corporation of the City of Barrie	80 Bradford St. Barrie ON	25.5	8
	80 Bradford St Barrie ON L4N 6S7	25.5	8
COMMERCIAL BUILDING	80 BRADFORD ST., BARRIE BY THE BAY COMMERCIAL CENTRE. BARRIE CITY ON L4N 6S7	25.5	8
BARRIE PUBLIC UTILITIES COMMIS	93 BRADFORD ST. TRANSFORMER BARRIE CITY ON L4N 3A7	34.1	11
The Corporation of the City of Barrie	Closest int at Lakeshore Drive and Toronto Street Barrie ON	35.9	12

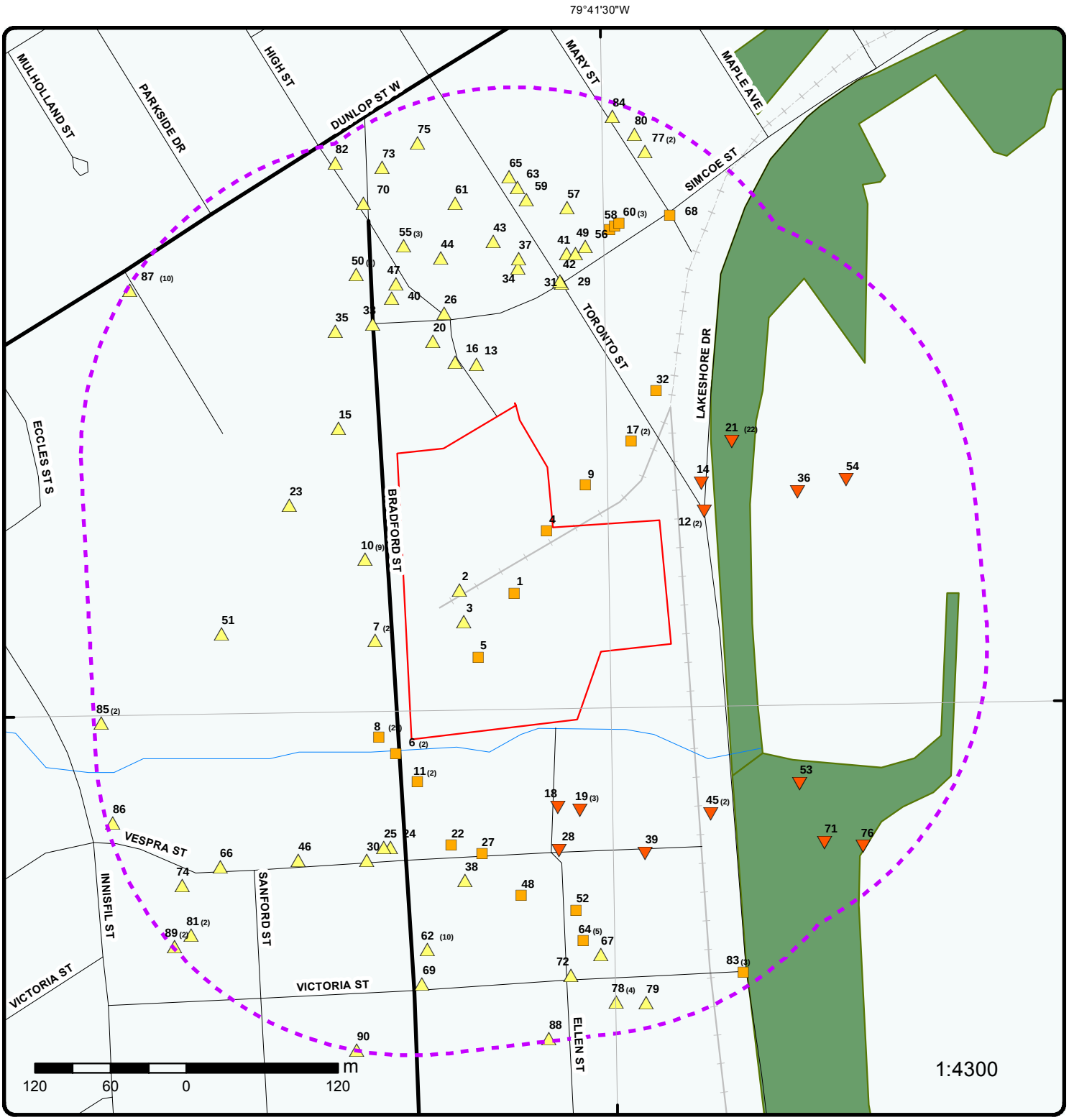
Site	Address	Distance (m)	Map Key
	Outfall at Lakeshore Drive & Toronto Street Barrie ON	35.9	12
	1 Toronto Street Barrie ON	44.2	14
Ford On-Site Services Ltd.	PARKING LOT AT 55 LAKESHORE RD<UNOFFICIAL> Barrie ON	84.8	21
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.8	21
	55 Lakeshore Drive Barrie ON	84.8	21
PRIVATE OWNER	55 LAKESHORE DR. ""D"" DOCK SLIP #34 PLEASURE CRAFT BARRIE CITY ON	84.8	21
	55 Lakeshore Dr BARRIE MARINA<UNOFFICIAL> Barrie ON	84.8	21
	55 Lakeshore Blvd CITY OF BARRIE MARINA<UNOFFICIAL> Barrie ON	84.8	21
	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	84.8	21
The Corporation of the City of Barrie	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	84.8	21
CAR WASH	34 VESPRA STREET BARRIE CITY ON L4N 2G6	86.5	22
	Toronto and Simcoe Street Barrie ON	102.6	31
The Corporation of the City of Barrie	intersection of Simcoe and Bradford St Barrie ON	104.4	33
PRIVATE OWNER	CITY OF BARRIE MARINA H-PIER PLEASURE CRAFT BARRIE CITY ON	111.6	36
	31 Vespra Street Barrie ON	115.3	38
The Corporation of the City of Barrie	15 - 39 High St Simcoe Street & 2-28 Toronto St Barrie ON	129.0	44
PUC	25 TORONTO ST. BARRIE CITY ON L4N 1T8	159.8	57
The Corporation of the City of Barrie; Golfside Construction Ltd.	Toronto St and Marina; 34 Simcoe St Barrie; Barrie ON	164.5	60
Enbridge Gas Distribution Inc.	37 Ellen St. Barrie ON L4N 6G2	173.9	64
	12? Bradford St Barrie ON	198.4	70
The Corporation of the City of Barrie	Victoria Street and Lakeshore Drive Barrie ON	238.7	83
The Corporation of the City of Barrie; Atlas Dewatering Corporation	Corner of Lakeshore and Victoria Barrie ON	238.7	83

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 35 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 24 con 5 Barrie ON	0.0	3
	ON	0.0	4
	lot 24 con 5 BARRIE ON	0.0	5
	ON	16.5	6
	ON	16.5	6
	ON	28.8	9
	BARRIE ON	53.6	16
	Barrie ON	86.7	23
	BARRIE ON	90.6	26
	Barrie ON	101.9	30
	Barrie ON	102.9	32
	Barrie ON	108.5	35
	Barrie ON	125.0	41
	Barrie ON	127.4	42
	ON	129.1	45
	ON	129.1	45
	Barrie ON	130.7	46
	BARRIE ON	130.9	47
	Barrie ON	136.1	49
	ON	145.8	51
	ON	150.0	53

Site	Address	Distance (m)	Map Key
	ON	150.9	54
	Barrie ON	156.2	56
	ON	181.6	66
	BARRIE ON	186.3	67
	lot 24 ON	198.6	71
	ON	214.9	74
	ON	220.7	76
	Barrie ON	232.9	81
	Barrie ON	232.9	81
	ON	239.9	84
	ON	245.1	86
	Barrie ON	248.6	89
	Barrie ON	248.6	89
	ON	249.4	90



Map : 0.25 Kilometer Radius

Order No: 20170315162

Address: 75 Bradford St, Barrie, ON, L4N3A7

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.

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79°42'W

Aerial

Order No: 20170315162

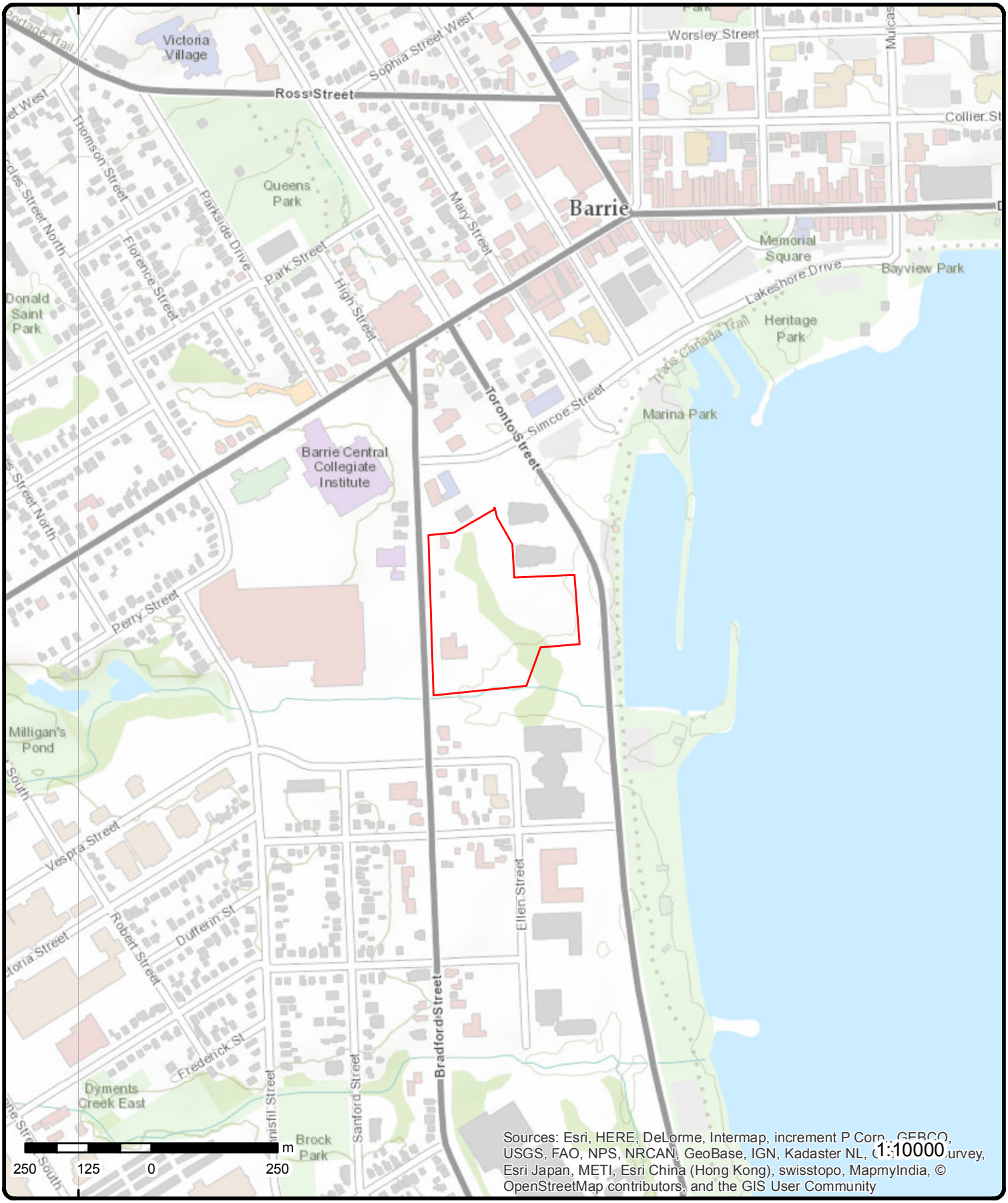
Address: 75 Bradford St, Barrie, ON, L4N3A7

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership

79°42'W



Topographic Map

Address: 75 Bradford St, Barrie, ON, L4N3A7

Source: ESRI World Topographic Map

Order No: 20170315162

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	-/0.0	221.0	75 Bradford St Barrie ON L4N3A7	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20130711024
Addit. Info Ordered::
Report Date: 22-JUL-13
Report Type: RSC Report (Urban)
Search Radius (km): .3

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
2	1 of 1	-/0.0	222.0	Bradford Street Barrie ON	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20080523015
Addit. Info Ordered::
Report Date: 6/2/2008
Report Type: Complete Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	1 of 1	-/0.0	222.0	lot 24 con 5 Barrie ON	WWIS

Well ID: 7179204
Construction Date::
Primary Water Use:: Monitoring
Sec. Water Use::
Final Well Status:: Observation Wells
Specific Capacity::
Municipality: BARRIE CITY (VESPRA)
County: SIMCOE

Lot: 024
Concession: 05
Concession Name: CON
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --
Bore Hole ID: 1003709852
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 03-JAN-12
Remarks:
Zone: 17
East 83: 604099
North 83: 4915351

UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1004243855
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	22.5
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004243862
Layer:	1
Plug From:	22.5
Plug To:	5
Plug Depth UOM:	ft
--	--
Plug ID:	1004243863
Layer:	2
Plug From:	5
Plug To:	1
Plug Depth UOM:	ft
--	--
Plug ID:	1004243864
Layer:	3
Plug From:	1
Plug To:	0
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004243861
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004243854
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004243858

Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	17.5
Depth To:	0
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004243859
Layer:	1
Slot:	010
Screen Top Depth:	22.5
Screen End Depth:	17.5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Water Details	
--	--
Water ID:	1004243857
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	3
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1004243856
Diameter:	6.5
Depth From:	0
Depth To:	22.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

4	1 of 1	-/0.0	221.0	ON	WWIS

Well ID:	5712847	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Industrial	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Water Supply	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information	
--	--
Bore Hole ID:	10390607
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	28-AUG-75
Remarks:	
Zone:	17
East 83:	604164.4
North 83:	4915423

UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	221.83
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932308917
Layer:	1
General Color:	
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	932308918
Layer:	2
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	54
Formation End Depth UOM:	ft
--	--
Formation ID:	932308919
Layer:	3
General Color:	
Most Common Material:	CLAY
Other Materials:	SAND
Other Materials:	LAYERED
Formation Top Depth:	54
Formation End Depth:	132
Formation End Depth UOM:	ft
--	--
Formation ID:	932308920
Layer:	4
General Color:	
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	132
Formation End Depth:	141
Formation End Depth UOM:	ft
--	--
Formation ID:	932308921
Layer:	5
General Color:	
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	141
Formation End Depth:	146
Formation End Depth UOM:	ft

--	--
Formation ID:	932308922
Layer:	6
General Color:	
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	146
Formation End Depth:	168
Formation End Depth UOM:	ft
--	--
Formation ID:	932308923
Layer:	7
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	COARSE SAND
Other Materials:	
Formation Top Depth:	168
Formation End Depth:	185
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965712847
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10939177
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930640582
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	170
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933368478
Layer:	1
Slot:	030
Screen Top Depth:	164
Screen End Depth:	179
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	8
--	--
Well Yield Testing	
--	--
Pump Test ID:	995712847
Pump Set At:	
Static Level:	4
Final Level After Pumping:	68

Recommended Pump Depth:	160
Pumping Rate:	360
Flowing Rate:	
Recommended Pump Rate:	400
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	7
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933872687
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	185
Water Found Depth UOM:	ft
--	--
--	--

---

5 | ***1 of 1*** | ***-/0.0*** | ***221.0*** | ***lot 24 con 5 BARRIE ON*** | ***WWIS***

Well ID:	7132876	**Lot:**	024
Construction Date::		**Concession:**	05
Primary Water Use::		**Concession Name:**	CON
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	VESPRA TOWNSHIP	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information	
--	--
Bore Hole ID:	1002776450
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	24-SEP-09
Remarks:	
Zone:	17
East 83:	604110
North 83:	4915323
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	222.42
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--

Formation ID:	1002980291
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft
--	--
Formation ID:	1002980292
Layer:	2
General Color:	BROWN
Most Common Material:	PEAT
Other Materials:	
Other Materials:	LOOSE
Formation Top Depth:	20
Formation End Depth:	28
Formation End Depth UOM:	ft
--	--
Formation ID:	1002980293
Layer:	3
General Color:	GREY
Most Common Material:	SAND
Other Materials:	SILT
Other Materials:	DENSE
Formation Top Depth:	28
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1002980295
Layer:	1
Plug From:	0
Plug To:	26
Plug Depth UOM:	ft
--	--
Plug ID:	1002980296
Layer:	2
Plug From:	26
Plug To:	30
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1002980300
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1002980290
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1002980298
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0

Depth To:	28
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1002980299
Layer:	1
Slot:	
Screen Top Depth:	28
Screen End Depth:	30
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1002980294
Diameter:	
Depth From:	0
Depth To:	4.25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

6 ***1 of 2*** ***SW/16.5*** ***221.0*** ***ON*** ***WWIS***

Well ID:	7189351	***Lot:***	
Construction Date::		***Concession:***	
Primary Water Use::		***Concession Name:***	
Sec. Water Use::		***Easting NAD83::***	
Final Well Status::		***Northing NAD83::***	
Specific Capacity::		***Zone::***	
Municipality:	BARRIE CITY (VESPRA)	***UTM Reliability::***	
County:	SIMCOE		

Bore Hole Information	
--	--
Bore Hole ID:	1004196318
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	06-JUN-12
Remarks:	
Zone:	17
East 83:	604045
North 83:	4915246
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Spatial Status:					
--		--			
--		--			

6	2 of 2	SW/16.5	221.0	ON	WWIS

Well ID:	7197570
Construction Date::	
Primary Water Use::	
Sec. Water Use::	
Final Well Status::	
Specific Capacity::	
Municipality:	BARRIE CITY (VESPRA)
County:	SIMCOE
Lot:	
Concession:	
Concession Name:	
Easting NAD83::	
Northing NAD83::	
Zone::	
UTM Reliability::	

Bore Hole Information

--	--
Bore Hole ID:	1004255974
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	17-JUN-12
Remarks:	
Zone:	17
East 83:	604045
North 83:	4915247
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
--	--

7	1 of 2	WSW/24.5	222.6	Fellowship Publications Inc - Fellowship Magazine Barrie ON	SCT

Established:	1966
Plant Size (ft²):	
Employment:	9

7	2 of 2	WSW/24.5	222.6	FELLOWSHIP PUBLICATIONS INC Barrie ON L4M	SCT

Established:	1966
Plant Size (ft²):	0
Employment:	9

--Details--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Description:		Periodical Publishers			
SIC/NAICS Code:		511120			

8	1 of 29	SW/25.5	221.0	80 Bradford St Barrie ON L4N 6S7	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20130221018
Addit. Info Ordered::	Aerial Photos
Report Date:	04-MAR-13
Report Type:	Custom Report
Search Radius (km):	.35

8	2 of 29	SW/25.5	221.0	TRIPLE B WAREHOUSING LTD 80 BRADFORD ST BARRIE ON	EXP

Instance ID:	13165
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	
Instance Number:	10168367
Instance Type:	FS Facility
Status:	EXPIRED
Description:	FS Propane Refill Cntr - Cylr Fill

8	3 of 29	SW/25.5	221.0	TRIPLE B WAREHOUSING LTD 80 BRADFORD ST BARRIE ON	EXP

Instance ID:	86469
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	
Instance Number:	11476907
Instance Type:	FS Propane Tank
Status:	EXPIRED
Description:	FS Propane Tank

8	4 of 29	SW/25.5	221.0	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

PO Box Num:	
Status:	
Country:	
Generator #:	ON7081025
Approval Yrs::	As of May 2015
SIC Code:	
SIC Description:	

--Details--

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

Waste Code: 312
Waste Description: Pathological wastes

Waste Code: 261
Waste Description: Pharmaceuticals

8	5 of 29	SW/25.5	221.0	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON7081025
Approval Yrs:: 2013
SIC Code: 621390
SIC Description: OFFICES OF ALL OTHER HEALTH PRACTITIONERS

--Details--
Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

8	6 of 29	SW/25.5	221.0	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

PO Box Num:
Status:
Country:
Generator #: ON7081025
Approval Yrs:: 2011
SIC Code: 621390
SIC Description: Offices of All Other Health Practitioners

--Details--
Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

8	7 of 29	SW/25.5	221.0	Bayshore Home Health 80 Bradford Street, Suite 525 Barrie ON L4N 6S7	GEN

PO Box Num:
Status:
Country:
Generator #: ON8761771
Approval Yrs:: 2010
SIC Code: 621610
SIC Description: Home Health Care Services

--Details--
Waste Code: 312

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Description:		PATHOLOGICAL WASTES			

8	8 of 29	SW/25.5	221.0	**Bayshore Home Health** **80 Bradford Street, Suite 525** **Barrie ON L4N 6S7**	GEN

PO Box Num:
Status:
Country:
Generator #: ON8761771
Approval Yrs:: 2011
SIC Code: 621610
SIC Description: Home Health Care Services

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

8	9 of 29	SW/25.5	221.0	**Bayshore Home Health** **80 Bradford Street, Suite 525** **Barrie ON L4N 6S7**	GEN

PO Box Num:
Status:
Country:
Generator #: ON8761771
Approval Yrs:: 2012
SIC Code: 621610
SIC Description: Home Health Care Services

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

8	10 of 29	SW/25.5	221.0	**Bayshore Healthcare Ltd.** **80 Bradford Street, Suite 525** **Barrie ON**	GEN

PO Box Num:
Status:
Country:
Generator #: ON8761771
Approval Yrs:: 2013
SIC Code: 621610
SIC Description:

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

8	11 of 29	SW/25.5	221.0	**Bayshore Home Health** **80 Bradford Street, Suite 525** **Barrie ON L4N 6S7**	GEN

PO Box Num:
Status:

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

Country:
Generator #: ON8761771
Approval Yrs:: 06,07,08
SIC Code: 621610
SIC Description: Home Health Care Services

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	12 of 29	SW/25.5	221.0	Bayshore Home Health 80 Bradford Street, Suite 525 Barrie ON L4N 6S7	GEN

PO Box Num:
Status:
Country:
Generator #: ON8761771
Approval Yrs:: 2009
SIC Code: 621610
SIC Description: Home Health Care Services

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	13 of 29	SW/25.5	221.0	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

PO Box Num:
Status:
Country:
Generator #: ON7081025
Approval Yrs:: 2012
SIC Code: 621390
SIC Description: Offices of All Other Health Practitioners

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

Waste Code: 261
Waste Description: PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	14 of 29	SW/25.5	221.0	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

PO Box Num:
Status:
Country:
Generator #: ON7081025
Approval Yrs:: 2010
SIC Code: 621390
SIC Description: Offices of All Other Health Practitioners

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
8	***15 of 29***	***SW/25.5***	***221.0***	***Bayshore Healthcare Ltd.*** ***80 Bradford Street, Suite 525*** ***Barrie ON L4N 6S7***	***GEN***
PO Box Num:					
Status:		Registered			
Country:		Canada			
Generator #:		ON8761771			
Approval Yrs::		As of Sep 2016			
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		312 P			
Waste Description:		Pathological wastes			
8	***16 of 29***	***SW/25.5***	***221.0***	***Peto MacCallum Ltd.*** ***80 Bradford Street, Suite 300*** ***Barrie ON***	***GEN***
PO Box Num:					
Status:					
Country:					
Generator #:		ON3770444			
Approval Yrs::		2013			
SIC Code:		551113			
SIC Description:		HOLDING COMPANIES			
--Details--					
Waste Code:		149			
Waste Description:		LANDFILL LEACHATES			
8	***17 of 29***	***SW/25.5***	***221.0***	***Bayshore Healthcare Ltd.*** ***80 Bradford Street, Suite 525*** ***Barrie ON L4N 6S7***	***GEN***
PO Box Num:					
Status:					
Country:					
Generator #:		ON8761771			
Approval Yrs::		As of May 2015			
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		312			
Waste Description:		Pathological wastes			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	18 of 29	SW/25.5	221.0	The Aerarium Group 80 Bradford St. Suite # 300 Barrie ON L4N 6S7	GEN

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON3278424
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	19 of 29	SW/25.5	221.0	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON7081025
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 261 A
Waste Description: Pharmaceuticals

Waste Code: 312 P
Waste Description: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	20 of 29	SW/25.5	221.0	BARRIE BLUE PRINTING 80 BRADFORD ST BARRIE ON L4N 6S7	SCT

Established: 1987
Plant Size (ft²): 1000
Employment: 1

--Details--
Description: COMMERCIAL PRINTING, LITHOGRAPHIC
SIC/NAICS Code: 2752

Description: COMMERCIAL PRINTING, GRAVURE
SIC/NAICS Code: 2754

Description: PHOTOCOPYING & DUPLICATING SERVICES
SIC/NAICS Code: 7334

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	21 of 29	SW/25.5	221.0	Fellowship Publications Inc - Fellowship Magazine 80 Bradford St Unit 311 Barrie ON L4N 6S7	SCT

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

Established: 1966
Plant Size (ft²):
Employment: 1

--Details--
Description: Periodical Publishers
SIC/NAICS Code: 511120

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	22 of 29	SW/25.5	221.0	***Fellowship Magazine*** ***80 Bradford St Suite 311*** ***Barrie ON L4N 6S7***	SCT

Established: 1966
Plant Size (ft²):
Employment: 1

--Details--
Description: Periodical Publishers
SIC/NAICS Code: 511120

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	23 of 29	SW/25.5	221.0	***RESTAURANT*** ***80 BRADFORD ST. (N.O.S.)*** ***BARRIE CITY ON L4N 6S7***	SPL

Ref No: 87641
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 6/26/1993
Incident Reason: OVERSTRESS/OVERPRESSURE
Incident Summary: COMMERCIAL ENTERPRISE-RAWSEWAGE OVERFLOW TO LAND, CONTAINED, CORDONED OFF.
MOE Reported Dt: 6/26/1993
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	24 of 29	SW/25.5	221.0	***UNKNOWN*** ***80 BRADFORD ST. LANEWAY AT SIDE OF BLDG. SEWER*** ***BARRIE CITY ON L4N 6S7***	SPL

Ref No: 9819
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 9/28/1988
Incident Reason: UNKNOWN
Incident Summary: REPORT OF UNIDENTIFIED MATERIAL SPILLED TO LANEWAY.
MOE Reported Dt: 9/28/1988
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND

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

SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

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8 | **25 of 29** | **SW/25.5** | **221.0** | **80 Bradford St**
Barrie ON L4N 6S7 | **SPL**

Ref No: 1852-8LTDQJ
Contaminant Code: 45
Contaminant Name: FIRE WATER (CONTAINING PESTICIDES)
Contaminant Quantity: 0 other - see incident description
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Dt: 9/18/2011
Incident Reason: Fire/Explosion - Resulting from fires/explosions (Not occurrences which cause a fire or explosion)
Incident Summary: Vehicle fire results in impacts to CB; Bunkers Crk
MOE Reported Dt: 9/18/2011
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Primary Assessment of Incident
Sector Source Type: Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Barrie

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8 | **26 of 29** | **SW/25.5** | **221.0** | **80 Bradford St<UNOFFICIAL>**
Barrie ON L4N 6S7 | **SPL**

Ref No: 7281-7D633X
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:
Incident Cause: Unknown
Incident Dt:
Incident Reason: Spill
Incident Summary: 80 Bradford sewage spill to CB, CLN
MOE Reported Dt: 3/27/2008
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Sewer
Receiving Environment:
Incident Event:
Site Municipality: Barrie

---

8 | **27 of 29** | **SW/25.5** | **221.0** | **The Corporation of the City of Barrie**
80 Bradford St.
Barrie ON | **SPL**

Ref No: 5365-92XR3U
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity: 0 other - see incident description
Incident Cause: Unknown / N/A
Incident Dt: 13-DEC-12
Incident Reason: Unknown / N/A
Incident Summary: City of Barrie: Overland Sewage Spill to CB

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

MOE Reported Dt: 13-DEC-12
Environmental Impact: Possible
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Sewer (Private or Municipal)
Receiving Environment:
Incident Event:
Site Municipality: Barrie

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8 | **28 of 29** | **SW/25.5** | **221.0** | **80 Bradford St**
Barrie ON L4N 6S7 | **SPL**

Ref No: 4855-5Q2F6N
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:
Incident Cause: Other Discharges
Incident Dt: 8/1/2003
Incident Reason: Other - Reason not otherwise defined
Incident Summary: Barrie Sewage spill to parking lot
MOE Reported Dt: 8/2/2003
Environmental Impact: Possible
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class: Spills
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: Barrie

---

8 | **29 of 29** | **SW/25.5** | **221.0** | **COMMERCIAL BUILDING**
80 BRADFORD ST., BARRIE BY THE BAY
COMMERCIAL CENTRE.
BARRIE CITY ON L4N 6S7 | **SPL**

Ref No: 149823
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 12/2/1997
Incident Reason: OTHER
Incident Summary: BARRIE BY THE BAY-PLUGGEDSANITARY LINE,OVERFLOW TOOUTDOOR PARKING & C.B.
MOE Reported Dt: 12/2/1997
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: LAND / WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

---

9 | **1 of 1** | **NE/28.8** | **221.0** | **ON** | **WWIS**

Well ID: 7199953
Construction Date::
Primary Water Use::
Lot:
Concession:
Concession Name:

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

Sec. Water Use:: ***Easting NAD83::***
Final Well Status:: ***Northing NAD83::***
Specific Capacity:: ***Zone::***
Municipality: BARRIE CITY (VESPRA) ***UTM Reliability::***
County: SIMCOE

Bore Hole Information
-- --
Bore Hole ID: 1004272353
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 17-MAR-13
Remarks:
Zone: 17
East 83: 604195
North 83: 4915459
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
-- --

10	*1 of 9*	*W/29.1*	*223.0*	***SIMCOE COUNTY DISTRICT SCHOOL BOARD*** ***50 BRADFORD STREET*** ***BARRIE ON L4N 3A8***	***GEN***

PO Box Num:
Status:
Country:
Generator #: ON0358191
Approval Yrs:: 07,08
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

10	*2 of 9*	*W/29.1*	*223.0*	***SIMCOE COUNTY DISTRICT SCHOOL BOARD*** ***50 BRADFORD STREET*** ***BARRIE ON***	***GEN***

PO Box Num:
Status:
Country:
Generator #: ON0358191
Approval Yrs:: 2013
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	3 of 9	W/29.1	223.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358191
Approval Yrs:: 2012
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--
Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	4 of 9	W/29.1	223.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358191
Approval Yrs:: 2010
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

10	5 of 9	W/29.1	223.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD PRINCE OF WALES PUBLIC SCHOOL 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358191
Approval Yrs:: 99,00,01,02,03,04,05
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

10	6 of 9	W/29.1	223.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358191
Approval Yrs:: As of May 2015
SIC Code:
SIC Description:

--Details--
Waste Code: 145
Waste Description: Wastes from the use of pigments, coatings and paints

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10	7 of 9	W/29.1	223.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

PO Box Num:

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

Status:
Country:
Generator #: ON0358191
Approval Yrs:: 2011
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

10	*8 of 9*	*W/29.1*	*223.0*	***SIMCOE COUNTY DISTRICT SCHOOL BOARD*** ***50 BRADFORD STREET*** ***BARRIE ON L4N 3A8***	***GEN***

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON0358191
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 145 L
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 145 I
Waste Description: Wastes from the use of pigments, coatings and paints

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10	*9 of 9*	*W/29.1*	*223.0*	***SIMCOE COUNTY DISTRICT SCHOOL BOARD*** ***50 BRADFORD STREET*** ***BARRIE ON L4N 3A8***	***GEN***

PO Box Num:
Status:
Country:
Generator #: ON0358191
Approval Yrs:: 2009
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

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

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

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11 **1 of 2** **SSW/34.1** **221.0** **All Wash Incorporation** **CA**
93 Bradford St
Barrie ON L4N 3A7

Certificate #: 0219-7YBTB4
Application Year: 2009
Issue Date: 12/4/2009
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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11 **2 of 2** **SSW/34.1** **221.0** **BARRIE PUBLIC UTILITIES COMMIS** **SPL**
93 BRADFORD ST. TRANSFORMER
BARRIE CITY ON L4N 3A7

Ref No: 24442
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 6/23/1989
Incident Reason: UNKNOWN
Incident Summary: BACKENTRY - SMALL AMT. OFTRANSFORMER OIL, 93 PPM PCB TO GROUND.
MOE Reported Dt: 6/23/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

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12 **1 of 2** **ENE/35.9** **220.0** **The Corporation of the City of Barrie** **SPL**
Closest int at Lakeshore Drive and Toronto Street
Barrie ON

Ref No: 8174-8UUQUP
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity:
Incident Cause: Unknown
Incident Dt: 01-JUN-12
Incident Reason: Spill
Incident Summary: City of Barrie: Oil Sheen on Kidds Creek
MOE Reported Dt: 01-JUN-12
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution

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

Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Watercourse Spills
Sector Source Type: Unknown
Receiving Environment:
Incident Event:
Site Municipality: Barrie

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12 | **2 of 2** | **ENE/35.9** | **220.0** | **Outfall at Lakeshore Drive & Toronto Street Barrie ON** | **SPL**

Ref No: 8374-8W2MJG
Contaminant Code: 13
Contaminant Name: FUEL (N.O.S.)
Contaminant Quantity:
Incident Cause: Unknown
Incident Dt: 09-JUL-12
Incident Reason: Spill
Incident Summary: Kidds Creek, hydrocarbon sheen, ongoing
MOE Reported Dt: 09-JUL-12
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Watercourse Spills
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Barrie

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13 | **1 of 1** | **N/42.9** | **223.0** | **City of Barrie 15 High Street Barrie ON L4N 1V9** | **GEN**

PO Box Num:
Status:
Country:
Generator #: ON5800214
Approval Yrs:: 06
SIC Code: 811111
SIC Description: General Automotive Repair

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

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14 | **1 of 1** | **ENE/44.2** | **220.3** | **1 Toronto Street Barrie ON** | **SPL**

Ref No: 2406-7Q7QQP
Contaminant Code:
Contaminant Name: HYDROCARBON LIGHT
Contaminant Quantity:
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Dt:
Incident Reason: Unknown - Reason not determined
Incident Summary: Hydrocarbon Spill to Kidds Creek
MOE Reported Dt: 3/16/2009
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills

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

Sector Source Type:	Unknown
Receiving Environment:	
Incident Event:	
Site Municipality:	Barrie

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15 | **1 of 1** | **NW/50.3** | **224.6** | **38 Bradford Street Barrie ON L4N 3A8** | **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20121011043
Addit. Info Ordered::	
Report Date:	22-OCT-12
Report Type:	Standard Report
Search Radius (km):	.25

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16 | **1 of 1** | **NNW/53.6** | **223.0** | **BARRIE ON** | **WWIS**

Well ID:	5739834	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information	
--	--
Bore Hole ID:	11325330
DP2BR:	
Code OB:	_
Code OB Description:	No formation data
Open Hole:	
Date Completed:	12-MAY-05
Remarks:	
Zone:	17
East 83:	604092
North 83:	4915556
UTMRC:	
UTMRC Description:	
Location Method:	wwr
Org CS:	UTM83
Elevation:	223.54
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933271547
Layer:	1

Plug From:	0
Plug To:	4
Plug Depth UOM:	m
--	--
Plug ID:	933271546
Layer:	2
Plug From:	4
Plug To:	15
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965739834
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11340185
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930869347
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	2
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933413285
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	11545788
Diameter:	8
Depth From:	0
Depth To:	15
Hole Depth UOM:	m
Hole Diameter UOM:	cm
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17	1 of 2	NE/64.1	221.0	2 Toronto Street Barrie ON L4N 9R2	CA

Certificate #:	2515-4HERMP
Application Year:	00

Issue Date:	3/16/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name::	Grand Shores Realty Development Corporation
Client Address::	625 Evans Avenue
Client City::	Etobicoke
Client Postal Code::	M8W 2W5
Project Description::	Watermain to be constructed in the City of Barrie.
Contaminants::	
Emission Control::	

---

17 | **2 of 2** | **NE/64.1** | **221.0** | ***The Corporation of the City of Barrie***
#2 Toronto Street
Barrie ON L4N 9R2 | **CA**

Certificate #:	5371-6T6MGD
Application Year:	2006
Issue Date:	9/1/2006
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::	

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18 | **1 of 1** | **SSE/67.0** | **220.0** | ***Victoria Square Developments Inc.***
No municipal address
BARRIE ON | **RSC**

Registration No:	45080
RSC Type:	
Restoration Type:	
Date Submitted:	9-Jun-08
Date Acknowledg.:	
Certification Date:	3-Dec-07
Date Returned:	
Soil Type:	
Criteria:	
Current Property Use:	Commercial
Certificate Prop Use No:	No CPU
Intended Prop Use:	Residential
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
Stratified (Y/N):	
Consultant:	
District Office:	BARRIE
Property Municipal Address:	No municipal address
Legal Description:	PART ELLEN ST PL 22 (CLOSED BY BY-LAW SC450705); BARRIE BEING PART 5 ON PLAN 51R-35813
Prop. Identification No:	58795-0566
Entire legal prop. (y/n):	Yes
UTM Coordinates:	NAD83 17-604173-4915204
Latitude & Longitude:	44.38263210N 79.69223410W (converted from UTM)
Accuracy Estimate:	11 to 20 meters
Measurement Method:	Interpolation from a map
CPU Issued Sect 1686:	No

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
19	1 of 3	SSE/71.1	220.0	Invar (Vespra) Limited 33 ELLEN ST, BARRIE, ON, L4N 6E9, , ON L4N 6E9	RSC

Registration No: 42301
RSC Type:
Restoration Type:
Date Submitted: 22-Apr-08
Date Acknowledg.:
Certification Date: 16-Nov-07
Date Returned:
Soil Type:
Criteria:
Current Property Use: Residential
Certificate Prop Use No: No CPU
Intended Prop Use: Residential
Applicable Standards: Background Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
Stratified (Y/N):
Consultant:
District Office: BARRIE
Property Municipal Address: 33 ELLEN ST, BARRIE, ON, L4N 6E9, ,
Legal Description: "Entire Prperty: 58795-0279 LT, Part Lot 25, Concession 5 Vespra, Barrie, designated as Part 1 on Ref Plan 51R-32954 Barrie": "Current title RSC Property: PART 2 & PART 9 51R- 35813; Part of Lot 25, Concession 5, formerly Township of Vespra now City of Barrie"
Prop. Identification No: Part of 58795-0553 (LT)
Entire legal prop. (y/n): Yes
UTM Coordinates: NAD83 17-604195-4914985
Latitude & Longitude: 44.38065790N 79.69200190W (converted from UTM)
Accuracy Estimate: 11 to 20 meters
Measurement Method: Interpolation from a map
CPU Issued Sect 1686: No

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
19	2 of 3	SSE/71.1	220.0	Invar (Vespra) Limited 33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	RSC

Registration No: 41916
RSC Type:
Restoration Type:
Date Submitted: 7-Feb-08
Date Acknowledg.:
Certification Date: 17-Dec-07
Date Returned:
Soil Type:
Criteria:
Current Property Use: Residential
Certificate Prop Use No: No CPU
Intended Prop Use: Residential
Applicable Standards: Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
Stratified (Y/N):
Consultant:
District Office: BARRIE
Property Municipal Address: 33 ELLEN ST, BARRIE, ON, L4N 6E9
Legal Description: "Entire Property; 58795 - 0146IT, Lot 8 N/S/ Vespra Street, Plan 22 Barrie"; "Current RSC property; PART 4 AND 7, 51R-35813; Reg Plan 22, Part of Lot 8, north side of Vespra St"
Prop. Identification No: 58795-0146 (LT)
Entire legal prop. (y/n): Yes
UTM Coordinates: NAD83 17-604120-4914985
Latitude & Longitude: 44.38066860N 79.69294320W (converted from UTM)
Accuracy Estimate: 11 to 20 meters
Measurement Method: Interpolation from a map

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
CPU Issued Sect 1686:		No			

19	3 of 3	SSE/71.1	220.0	**Invar (Vespra) Limited** **33 ELLEN ST, BARRIE, ON, L4N 6E9** **BARRIE ON L4N 6E9**	RSC

Registration No:	42105
RSC Type:	
Restoration Type:	
Date Submitted:	7-Feb-08
Date Acknowledg.:	
Certification Date:	16-Nov-07
Date Returned:	
Soil Type:	
Criteria:	
Current Property Use:	Residential
Certificate Prop Use No:	No CPU
Intended Prop Use:	Residential
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
Stratified (Y/N):	
Consultant:	
District Office:	BARRIE
Property Municipal Address:	33 ELLEN ST, BARRIE, ON, L4N 6E9
Legal Description:	"Entire Property:58795-0279LT, Part Lot 25, Concession 5 Vespra, Barrie, designated as Part 1 on Ref Plan 51R-32954 Barrie": Current title RSC Property: PART 14, 51R-35813; Part of Lot 25, Concession 5, Township of Vespra now City of Barrie"
Prop. Identification No:	Part of 58795-0553 (LT)
Entire legal prop. (y/n):	Yes
UTM Coordinates:	NAD83 17-604175-4914970
Latitude & Longitude:	44.38052570N 79.69225590W (converted from UTM)
Accuracy Estimate:	11 to 20 meters
Measurement Method:	Interpolation from a map
CPU Issued Sect 1686:	No

20	1 of 1	NNW/76.8	223.7	**LEADING EDGE GRAPHICS** **14 HIGH STREET SUITE 300** **BARRIE ON L4N 1W1**	GEN

PO Box Num:	
Status:	
Country:	
Generator #:	ON1958601
Approval Yrs::	95,96,97,98
SIC Code:	2821
SIC Description:	PLATEMAKING, ETC.
--Details--	
Waste Code:	264
Waste Description:	PHOTOPROCESSING WASTES

21	1 of 22	ENE/84.8	219.5	**CITY OF BARRIE PARKS & RECREATION DEPT** **55 LAKESHORE DR** **BARRIE ON L4N 7Y9**	EXP

Instance ID:	
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	6/4/2009

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Instance Number:		10557090			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Marina			

21	2 of 22	ENE/84.8	219.5	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON	EXP

Instance ID:	27260
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	
Instance Number:	10557090
Instance Type:	FS Liquid Fuel Tank
Status:	EXPIRED
Description:	FS Liquid Fuel Tank

21	3 of 22	ENE/84.8	219.5	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON	EXP

Instance ID:	28969
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	
Instance Number:	10557112
Instance Type:	FS Piping
Status:	EXPIRED
Description:	FS Piping

21	4 of 22	ENE/84.8	219.5	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON L4N 7Y9	FST

Instance Number:	11630432
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	20000
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Double Wall UST
Install Year:	2001
Parent Facility Type:	FS Marina
Facility Type:	FS Liquid Fuel Tank

21	5 of 22	ENE/84.8	219.5	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON	FSTH

License Issue Date:	9/27/2002
Tank Status:	Licensed
Tank Status As Of:	December 2008
Operation Type:	Retail Fuel Outlet
Facility Type:	Marina

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

--Details--
Status: Active
Year of Installation: 1976
Corrosion Protection:
Capacity: 9000
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Status: Active
Year of Installation: 2001
Corrosion Protection:
Capacity: 20000
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline

21	6 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON5911410
Approval Yrs:: 2009
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

21	7 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON5911410
Approval Yrs:: 2013
SIC Code: 913910
SIC Description:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

21	8 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON L4M 4T5	GEN

PO Box Num:
Status:

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

Country:
Generator #: ON5911410
Approval Yrs:: 05,06,07,08
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
21	9 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON L4M 4T5	GEN

PO Box Num:
Status:
Country:
Generator #: ON5911410
Approval Yrs:: 2012
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
21	10 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON L4M 4T5	GEN

PO Box Num:
Status:
Country:
Generator #: ON5911410
Approval Yrs:: As of May 2015
SIC Code:
SIC Description:

--Details--
Waste Code: 252
Waste Description: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
21	11 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON5911410
Approval Yrs:: 2010
SIC Code: 913910

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

SIC Description: Other Local Municipal and Regional Public Administration

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

21	12 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON5911410
Approval Yrs:: 2011
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

21	13 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON L4M 4T5	GEN

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON5911410
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

21	14 of 22	ENE/84.8	219.5	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON	PRT

Location ID: 1315
Type: retail
Expiry Date: 1995-09-30
Capacity (L): 9000
Licence #: 0010651001

21	15 of 22	ENE/84.8	219.5	Ford On-Site Services Ltd. PARKING LOT AT 55 LAKESHORE	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				RD<UNOFFICIAL> Barrie ON	

Ref No: 6331-6SFCJZ
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity: 681 L
Incident Cause: Intent - Intentional or planned occurrence
Incident Dt: 8/7/2006
Incident Reason: Vandalism - Illegal/deliberate (incl. sabotage)
Incident Summary: Natures Call truck vandalized overnight 470L sew to CB/pvmt
MOE Reported Dt: 8/7/2006
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
SAC Action Class:
Sector Source Type: Other Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Barrie

21	16 of 22	ENE/84.8	219.5	The Corporation of the City of Barrie 55 Lakeshore Drive Barrie ON	SPL

Ref No: 4883-8WQPUU
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: Unknown
Incident Dt: 31-JUL-12
Incident Reason: Unknown - Reason not determined
Incident Summary: City of Barrie Marina: sheen on Kidds Creek; cntnd
MOE Reported Dt: 31-JUL-12
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Watercourse Spills
Sector Source Type: Unknown
Receiving Environment:
Incident Event:
Site Municipality: Barrie

21	17 of 22	ENE/84.8	219.5	55 Lakeshore Drive Barrie ON	SPL

Ref No: 5722-6J5NCW
Contaminant Code:
Contaminant Name: SEWAGE,RAW CHLORINATED
Contaminant Quantity: 13.6 L
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Spill
Incident Summary: denied s. 21(1)
MOE Reported Dt: 11/14/2005
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class: Watercourse Spills
Sector Source Type:
Receiving Environment:
Incident Event:

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

21	18 of 22	ENE/84.8	219.5	PRIVATE OWNER 55 LAKESHORE DR. ""D"" DOCK SLIP #34 PLEASURE CRAFT BARRIE CITY ON	SPL

Ref No:	233590
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	WATERCRAFT SINKING
Incident Dt:	7/27/2002
Incident Reason:	UNKNOWN
Incident Summary:	20 FT BOAT AT DOCK SUNK SMALL AMOUNT OF GAS & OIL TO LAKE, CONTAINED
MOE Reported Dt:	7/27/2002
Environmental Impact:	POSSIBLE
Nature of Impact:	Water course or lake
Receiving Medium:	WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	70101

21	19 of 22	ENE/84.8	219.5	55 Lakeshore Dr BARRIE MARINA<UNOFFICIAL> Barrie ON	SPL

Ref No:	1481-6VYSRE
Contaminant Code:	13
Contaminant Name:	DIESEL FUEL
Contaminant Quantity:	50 L
Incident Cause:	
Incident Dt:	11/28/2006
Incident Reason:	
Incident Summary:	Barrie: 50L of DSL to L.Simcoe at Marina
MOE Reported Dt:	11/28/2006
Environmental Impact:	Not Anticipated
Nature of Impact:	Surface Water Pollution
Receiving Medium:	Water
SAC Action Class:	
Sector Source Type:	Other Motor Vehicle
Receiving Environment:	
Incident Event:	
Site Municipality:	Barrie

21	20 of 22	ENE/84.8	219.5	55 Lakeshore Blvd CITY OF BARRIE MARINA<UNOFFICIAL> Barrie ON	SPL

Ref No:	8230-6TWN45
Contaminant Code:	13
Contaminant Name:	DIESEL FUEL
Contaminant Quantity:	Not Specified
Incident Cause:	Other Discharges
Incident Dt:	9/23/2006
Incident Reason:	Spill
Incident Summary:	Barrie Marina:diesel sheen in water
MOE Reported Dt:	9/23/2006

Environmental Impact:	Not Anticipated
Nature of Impact:	Surface Water Pollution
Receiving Medium:	Water
SAC Action Class:	
Sector Source Type:	Other Watercraft
Receiving Environment:	
Incident Event:	
Site Municipality:	Barrie

---

21 | ***21 of 22*** | ***ENE/84.8*** | ***219.5*** | ***55S Lakeshore Dr Lakeshore Mews***
Barrie ON NA | ***SPL***

Ref No:	0468-A2LK5F
Contaminant Code:	13
Contaminant Name:	FUEL (N.O.S.)
Contaminant Quantity:	0 other - see incident description
Incident Cause:	
Incident Dt:	9/22/2015
Incident Reason:	Unknown / N/A
Incident Summary:	Barrie Marina: boat sunk, fuel and oil in dock area
MOE Reported Dt:	9/22/2015
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	Environment Canada - Spills at Federal Facilities & Spills of National Interest
Sector Source Type:	Unknown / N/A
Receiving Environment:	
Incident Event:	
Site Municipality:	Barrie

---

21 | ***22 of 22*** | ***ENE/84.8*** | ***219.5*** | ***The Corporation of the City of Barrie***
55S Lakeshore Dr Lakeshore Mews
Barrie ON NA | ***SPL***

Ref No:	4700-9Y8J5X
Contaminant Code:	12
Contaminant Name:	GASOLINE
Contaminant Quantity:	2 L
Incident Cause:	
Incident Dt:	7/8/2015
Incident Reason:	Unknown / N/A
Incident Summary:	CIty of Barrie Marina: seadoo sank, 2 L fuel to water
MOE Reported Dt:	7/8/2015
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	Unknown / N/A
Receiving Environment:	
Incident Event:	
Site Municipality:	Barrie

---

22 | ***1 of 1*** | ***SSW/86.5*** | ***221.0*** | ***CAR WASH***
34 VESPRA STREET
BARRIE CITY ON L4N 2G6 | ***SPL***

Ref No:	74275
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	

Incident Cause:	PIPE/HOSE LEAK
Incident Dt:	7/30/1992
Incident Reason:	INTENTIONAL/PLANNED
Incident Summary:	CAR WASH: DISCHARGE FROM CAR WASH ONTO PRIVATE PROPERTY KILLED DOG.
MOE Reported Dt:	7/30/1992
Environmental Impact:	CONFIRMED
Nature of Impact:	Other kill
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	70101

---

23 ***1 of 1*** ***WNW/86.7*** ***225.0*** ***Barrie ON*** ***WWIS***

Well ID:	7179175	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1003709765
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	15-MAR-12
Remarks:	
Zone:	17
East 83:	603961
North 83:	4915443
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1004241922
Layer:	1
General Color:	BLACK
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2.5
Formation End Depth UOM:	ft

--	--
Formation ID:	1004241923
Layer:	2
General Color:	BROWN
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	2.5
Formation End Depth:	.5
Formation End Depth UOM:	ft
--	--
Formation ID:	1004241924
Layer:	3
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	
Other Materials:	WATER-BEARING
Formation Top Depth:	.5
Formation End Depth:	20
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004241931
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft
--	--
Plug ID:	1004241932
Layer:	2
Plug From:	1
Plug To:	4.5
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004241930
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004241921
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004241927
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004241928

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

Layer:	1
Slot:	
Screen Top Depth:	6
Screen End Depth:	16
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1004241925
Diameter:	6
Depth From:	0
Depth To:	16
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

24	1 of 1	SSW/86.8	222.0	**Bradford St. (Highway 11)** **Barrie ON**	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20050616012
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans
Report Date:	6/20/2005
Report Type:	
Search Radius (km):	0.25

25	1 of 1	SSW/88.0	222.0	**Fercan Developments Inc.** **100 Bradford Street** **Barrie ON L4N 3A8**	GEN

PO Box Num:	
Status:	
Country:	
Generator #:	ON3933225
Approval Yrs::	06
SIC Code:	811111
SIC Description:	General Automotive Repair
--Details--	
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

26	1 of 1	NNW/90.6	224.0	**BARRIE ON**	WWIS

Well ID:	5740454	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Not Used	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	11556511
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	16-NOV-05
Remarks:	
Zone:	17
East 83:	604083
North 83:	4915595
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	222.9
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	933050242
Layer:	1
General Color:	BROWN
Most Common Material:	GRAVEL
Other Materials:	SAND
Other Materials:	TOPSOIL
Formation Top Depth:	0
Formation End Depth:	2.13
Formation End Depth UOM:	m
--	--
Formation ID:	933050243
Layer:	2
General Color:	BROWN
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	2.13
Formation End Depth:	3.05
Formation End Depth UOM:	m
--	--
Formation ID:	933050244
Layer:	3
General Color:	BROWN
Most Common Material:	FINE SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	3.05
Formation End Depth:	7.6
Formation End Depth UOM:	m
--	--
Formation ID:	933050245
Layer:	4
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	

Formation Top Depth:	7.6
Formation End Depth:	10.6
Formation End Depth UOM:	m
--	--
Formation ID:	933050246
Layer:	5
General Color:	BROWN
Most Common Material:	FINE SAND
Other Materials:	CLAY
Other Materials:	
Formation Top Depth:	10.6
Formation End Depth:	12.2
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933291606
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m
--	--
Plug ID:	933291607
Layer:	2
Plug From:	6
Plug To:	10
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965740454
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11566118
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930877648
Layer:	1
Open Hole or Material:	STEEL
Depth From:	0
Depth To:	9.15
Casing Diameter:	6.25
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933417935
Layer:	1
Slot:	014
Screen Top Depth:	9.15
Screen End Depth:	10.6
Screen Material:	1
Screen Depth UOM:	m
Screen Diameter UOM:	cm

Screen Diameter:	6
--	--
Well Yield Testing	
--	--
Pump Test ID:	11573454
Pump Set At:	
Static Level:	1.84
Final Level After Pumping:	8.05
Recommended Pump Depth:	
Pumping Rate:	180
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	11606661
Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	1
Test Level:	6.43
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606662
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	1
Test Level:	3.16
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606663
Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	2
Test Level:	6.97
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606664
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	2
Test Level:	2.32
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606665
Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	3
Test Level:	7.28
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606666
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	3
Test Level:	2.19
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606667

Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	4
Test Level:	7.42
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606668
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	4
Test Level:	2.17
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606669
Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	5
Test Level:	7.48
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606670
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	5
Test Level:	2.14
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606671
Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	10
Test Level:	7.58
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606672
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	10
Test Level:	2.07
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606673
Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	15
Test Level:	4.68
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606674
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	15
Test Level:	2.05
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606675
Pump Test ID:	11573454
Test Type:	Draw Down
Test Duration:	20
Test Level:	7.68
Test Level UOM:	m
--	--
Pump Test Detail ID:	11606676
Pump Test ID:	11573454
Test Type:	Recovery
Test Duration:	20

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Test Level:		2.03			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606677			
Pump Test ID:		11573454			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		7.69			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606678			
Pump Test ID:		11573454			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		2.01			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606679			
Pump Test ID:		11573454			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		7.69			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606680			
Pump Test ID:		11573454			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		2			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606681			
Pump Test ID:		11573454			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		7.78			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606682			
Pump Test ID:		11573454			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		1.99			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606683			
Pump Test ID:		11573454			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		7.79			
Test Level UOM:		m			
--		--			
Pump Test Detail ID:		11606684			
Pump Test ID:		11573454			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		7.85			
Test Level UOM:		m			
--		--			
--		--			
--		--			
27	***1 of 1***	***S/96.3***	***221.0***	***BARRIE CITY*** ***VESPRA ST/BRADFORD ST/ELLEN ST*** ***BARRIE CITY ON***	***CA***

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

Certificate #: 3-0631-96-
Application Year: 96
Issue Date: 6/25/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

---

28 ***1 of 1*** ***S/100.9*** ***220.0*** ***P.U.C. BARRIE***
VESPRA ST/ELLEN ST.
BARRIE CITY ON ***CA***

Certificate #: 7-0547-96-
Application Year: 96
Issue Date: 6/25/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

---

29 ***1 of 1*** ***N/101.6*** ***222.1*** ***Simcoe And Toronto, Barrie***
Barrie ON ***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20131024032
Addit. Info Ordered:: Topographic Maps
Report Date: 01-NOV-13
Report Type: Standard Report
Search Radius (km): .25

---

30 ***1 of 1*** ***SSW/101.9*** ***223.0*** ***Barrie ON*** ***WWIS***

Well ID: 7252696
Construction Date::
Primary Water Use:: Monitoring
Sec. Water Use::
Final Well Status:: Observation Wells
Specific Capacity::
Municipality: BARRIE CITY (VESPRA)
County: SIMCOE

Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --

Bore Hole ID:	1005810509
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	02-NOV-15
Remarks:	
Zone:	17
East 83:	604022
North 83:	4915162
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005827534
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	1005827535
Layer:	2
General Color:	GREY
Most Common Material:	SAND
Other Materials:	SILT
Other Materials:	LOOSE
Formation Top Depth:	4
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005827542
Layer:	1
Plug From:	15
Plug To:	3
Plug Depth UOM:	ft
--	--
Plug ID:	1005827543
Layer:	2
Plug From:	3
Plug To:	.5
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005827541

Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005827533
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005827538
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1.875
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005827539
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1005827536
Diameter:	15
Depth From:	0
Depth To:	8.25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

31	***1 of 1***	***N/102.6***	***222.2***	***Toronto and Simcoe Street Barrie ON***	***SPL***

Ref No:	5866-7SUHXG
Contaminant Code:	
Contaminant Name:	DIESEL FUEL
Contaminant Quantity:	10 L
Incident Cause:	Unknown
Incident Dt:	
Incident Reason:	Spill
Incident Summary:	Barrie: Kidd's Creek impacted with diesel to Lk. Simcoe
MOE Reported Dt:	6/9/2009
Environmental Impact:	Possible
Nature of Impact:	Surface Water Pollution
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	Other
Receiving Environment:	
Incident Event:	

Site Municipality: Barrie

---

32 **1 of 1** **NE/102.9** **221.0** **Barrie ON** **WWIS**

Well ID:	7117031	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Test Hole	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1001916686
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	N
Date Completed:	14-AUG-08
Remarks:	
Zone:	17
East 83:	604251
North 83:	4915534
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	220.46
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1002791209
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	SAND
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	.15
Formation End Depth UOM:	m
--	--
Formation ID:	1002791210
Layer:	2
General Color:	BROWN
Most Common Material:	FILL
Other Materials:	SAND
Other Materials:	GRAVEL
Formation Top Depth:	.15
Formation End Depth:	2.2
Formation End Depth UOM:	m
--	--
Formation ID:	1002791211

Layer:	3
General Color:	BROWN
Most Common Material:	PEAT
Other Materials:	
Other Materials:	SOFT
Formation Top Depth:	2.2
Formation End Depth:	4.9
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1002791213
Layer:	1
Plug From:	0
Plug To:	1.6
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1002791217
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1002791207
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1002791214
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4.9
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1002791215
Layer:	1
Slot:	10
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4
--	--
Well Yield Testing	
--	--
Pump Test ID:	1002791208
Pump Set At:	
Static Level:	2.2
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	

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

Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	
--	--
Hole Diameter	
--	--
Hole ID:	1002791212
Diameter:	21
Depth From:	0
Depth To:	4.9
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
33	1 of 1	NNW/104.4	224.1	The Corporation of the City of Barrie intersection of Simcoe and Bradford St Barrie ON	SPL

Ref No:	4136-8ANRNN
Contaminant Code:	27
Contaminant Name:	COOLANT N.O.S.
Contaminant Quantity:	15 L
Incident Cause:	Pipe Or Hose Leak
Incident Dt:	
Incident Reason:	Equipment Failure
Incident Summary:	Simcoe/Bradford - 15 L antifreeze to grd
MOE Reported Dt:	10/28/2010
Environmental Impact:	Confirmed
Nature of Impact:	Other Impact(s)
Receiving Medium:	
SAC Action Class:	Land Spills
Sector Source Type:	Motor Vehicle
Receiving Environment:	
Incident Event:	
Site Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	1 of 1	N/106.9	223.0	The Corporation of the City of Barrie No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON	CA

Certificate #:	3481-6RPL8M
Application Year:	2006
Issue Date:	7/20/2006
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	1 of 1	NW/108.5	225.0	Barrie ON	WWIS

Well ID:	7179174	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1003709762
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	14-MAR-12
Remarks:	
Zone:	17
East 83:	603997
North 83:	4915581
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1004241911
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Formation ID:	1004241912
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	WATER-BEARING
Formation Top Depth:	15
Formation End Depth:	25
Formation End Depth UOM:	ft
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	1004241919

Layer:	1
Plug From:	0
Plug To:	10
Plug Depth UOM:	ft
--	--
Plug ID:	1004241920
Layer:	2
Plug From:	10
Plug To:	22
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004241918
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004241910
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004241915
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	12
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004241916
Layer:	1
Slot:	
Screen Top Depth:	12
Screen End Depth:	22
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1004241913
Diameter:	6
Depth From:	0
Depth To:	22
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

36	*1 of 1*	*ENE/111.6*	*219.0*	***PRIVATE OWNER*** ***CITY OF BARRIE MARINA H-PIER PLEASURE CRAFT*** ***BARRIE CITY ON***	***SPL***

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

Ref No: 157272
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: WATERCRAFT SINKING
Incident Dt: 6/26/1998
Incident Reason: STORM/FLOOD/WIND
Incident Summary: LAKE SIMCOE - DIESEL SPILLED FROM SUBMERGED BOAT, 2 GALLONS.
MOE Reported Dt: 6/26/1998
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

37	1 of 1	N/114.4	223.0	28 Toronto Street Barrie ON	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20110323015
Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps
Report Date: 4/1/2011
Report Type: Standard Report
Search Radius (km): 0.25

38	1 of 1	S/115.3	221.4	31 Vespra Street Barrie ON	SPL

Ref No: 3161-AEDPHE
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Quantity: 50 L
Incident Cause:
Incident Dt: 10/3/2016
Incident Reason: Deliberate Act
Incident Summary: Simcoe Taxi- Power Washed Oil to Neighbour Property/Catch Basin
MOE Reported Dt: 10/3/2016
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Miscellaneous Industrial
Receiving Environment: Land; Surface Water
Incident Event: Dumping
Site Municipality: Barrie

39	1 of 1	SSE/118.2	220.0	Victoria Square Developments Inc No municipal address, BARRIE ON	RSC

Registration No: 45097
RSC Type:
Restoration Type:

Date Submitted:	9-Jun-08
Date Acknowledg.:	
Certification Date:	9-May-08
Date Returned:	
Soil Type:	
Criteria:	
Current Property Use:	Commercial
Certificate Prop Use No:	No CPU
Intended Prop Use:	Residential
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
Stratified (Y/N):	
Consultant:	
District Office:	BARRIE
Property Municipal Address:	No municipal address,
Legal Description:	PART OF VESPRA ST PL 22 VESPRA LYING E OF ELLEN ST(CLOSED BY BY-LAW SC632902); BARRIE BEING PART 6 PLAN 51R-35813
Prop. Identification No:	58795-0058(LT)
Entire legal prop. (y/n):	Yes
UTM Coordinates:	NAD83 17-604242-4915168
Latitude & Longitude:	44.38229820N 79.69137540W (converted from UTM)
Accuracy Estimate:	11 to 20 meters
Measurement Method:	Interpolation from a map
CPU Issued Sect 1686:	No

40	***1 of 1***	***NNW/122.4***	***224.0***	***25 Bradford St. 15 High St. Four Son's Auto Service Ltd.*** ***Barrie ON L4N 3A7***	***EHS***

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20041029005
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans; Aerials Photos and/or Topographical Maps; Title Search
Report Date:	11/2/04
Report Type:	Complete Report
Search Radius (km):	0.25

41	***1 of 1***	***N/125.0***	***222.0***	***Barrie ON***	***WWIS***

Well ID:	7231051	***Lot:***	
Construction Date::		***Concession:***	
Primary Water Use::	Monitoring	***Concession Name:***	
Sec. Water Use::		***Easting NAD83::***	
Final Well Status::	Observation Wells	***Northing NAD83::***	
Specific Capacity::		***Zone::***	
Municipality:	BARRIE CITY (VESPRA)	***UTM Reliability::***	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1005203850
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	11-AUG-14
Remarks:	
Zone:	17

East 83:	604180
North 83:	4915642
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005278386
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft
--	--
Formation ID:	1005278387
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	8
Formation End Depth UOM:	ft
--	--
Formation ID:	1005278388
Layer:	3
General Color:	GREY
Most Common Material:	SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005278395
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft
--	--
Plug ID:	1005278396
Layer:	2
Plug From:	1
Plug To:	3
Plug Depth UOM:	ft
--	--
Plug ID:	1005278397
Layer:	3

Plug From:	3
Plug To:	6
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005278394
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005278385
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005278391
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005278392
Layer:	1
Slot:	10
Screen Top Depth:	3
Screen End Depth:	6
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4
--	--
Water Details	
--	--
Water ID:	1005278390
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	4
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1005278389
Diameter:	8.25
Depth From:	0
Depth To:	6
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

42	***1 of 1***	***N/127.4***	***222.0***	***Barrie ON***	***WWIS***

Well ID:	7231050	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1005203847
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	11-AUG-14
Remarks:	
Zone:	17
East 83:	604187
North 83:	4915642
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1005278361
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	1005278362
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	14
Formation End Depth UOM:	ft
--	--
Formation ID:	1005278363
Layer:	3
General Color:	BROWN
Most Common Material:	PEAT
Other Materials:	
Other Materials:	
Formation Top Depth:	14

Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005278370
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft
--	--
Plug ID:	1005278371
Layer:	2
Plug From:	1
Plug To:	3
Plug Depth UOM:	ft
--	--
Plug ID:	1005278372
Layer:	3
Plug From:	3
Plug To:	15
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005278369
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005278360
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005278366
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005278367
Layer:	1
Slot:	10
Screen Top Depth:	3
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4
--	--
Water Details	
--	--
Water ID:	1005278365

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

Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	4
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1005278364
Diameter:	8.25
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

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43 | **1 of 1** | **N/128.8** | **223.0** | **28 Toronto St**
Barrie ON L4N1T9 | **EHS**

Postal Code:	L4N1T9
City:	Barrie
Address2:	
Address1:	28 Toronto St
Provstate:	ON
Order No.:	20160224104
Addit. Info Ordered::	
Report Date:	02-MAR-16
Report Type:	Standard Report
Search Radius (km):	.25

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44 | **1 of 1** | **NNW/129.0** | **224.0** | **The Corporation of the City of Barrie**
15 - 39 High St Simcoe Street & 2-28 Toronto St
Barrie ON | **SPL**

Ref No:	1426-98KK9P
Contaminant Code:	13
Contaminant Name:	HYDROCARBON LIGHT
Contaminant Quantity:	0 other - see incident description
Incident Cause:	Unknown / N/A
Incident Dt:	11-JUN-13
Incident Reason:	Unknown / N/A
Incident Summary:	Barrie: hydrocarbon sheen on Kidds Creek, unknwn source
MOE Reported Dt:	11-JUN-13
Environmental Impact:	Not Anticipated
Nature of Impact:	Surface Water Pollution
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	Unknown / N/A
Receiving Environment:	
Incident Event:	
Site Municipality:	Barrie

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45 | **1 of 2** | **SE/129.1** | **220.0** | **ON** | **WWIS**

Well ID:	7247352	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::		**Northing NAD83::**	

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

Specific Capacity:: ***Zone::***
Municipality: BARRIE CITY (VESPRA) ***UTM Reliability::***
County: SIMCOE

Bore Hole Information
-- --
Bore Hole ID: 1005646880
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 17-DEC-14
Remarks:
Zone: 17
East 83: 604294
North 83: 4915199
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
-- --

---

45 ***2 of 2*** ***SE/129.1*** ***220.0*** ***ON*** ***WWIS***

Well ID: 7234147 ***Lot:***
Construction Date:: ***Concession:***
Primary Water Use:: ***Concession Name:***
Sec. Water Use:: ***Easting NAD83::***
Final Well Status:: ***Northing NAD83::***
Specific Capacity:: ***Zone::***
Municipality: BARRIE CITY (VESPRA) ***UTM Reliability::***
County: SIMCOE

Bore Hole Information
-- --
Bore Hole ID: 1005264012
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 12-AUG-14
Remarks:
Zone: 17
East 83: 604294
North 83: 4915199
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:

Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
--	--

46 **1 of 1** **SW/130.7** **223.4** **Barrie ON** **WWIS**

Well ID:	7209097	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information	
--	--
Bore Hole ID:	1004596431
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	26-JUL-13
Remarks:	
Zone:	17
East 83:	603968
North 83:	4915162
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1004639955
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	SILT
Other Materials:	DRY
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft
--	--
Formation ID:	1004639956
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	WATER-BEARING
Other Materials:	LOOSE
Formation Top Depth:	6

Formation End Depth:	13
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004639963
Layer:	1
Plug From:	0
Plug To:	2
Plug Depth UOM:	ft
--	--
Plug ID:	1004639964
Layer:	2
Plug From:	2
Plug To:	13
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004639962
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004639954
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004639959
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3
Casing Diameter:	2.049
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004639960
Layer:	1
Slot:	10
Screen Top Depth:	3
Screen End Depth:	13
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.375
--	--
Hole Diameter	
--	--
Hole ID:	1004639957
Diameter:	8.25
Depth From:	0
Depth To:	13
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--

47	1 of 1	NNW/130.9	224.0	BARRIE ON	WWIS

Well ID: 5740457
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Observation Wells
Specific Capacity::
Municipality: BARRIE CITY (VESPRA)
County: SIMCOE

Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information

--	--
Bore Hole ID:	11556514
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	16-NOV-05
Remarks:	
Zone:	17
East 83:	604045
North 83:	4915618
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	223.42
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	933051698
Layer:	1
General Color:	BROWN
Most Common Material:	FINE SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	m
--	--
Formation ID:	933051699
Layer:	2
General Color:	BLACK
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	1.5
Formation End Depth:	1.83
Formation End Depth UOM:	m
--	--
Formation ID:	933051700
Layer:	3

General Color:	BROWN
Most Common Material:	FINE SAND
Other Materials:	WOOD FRAGMENTS
Other Materials:	
Formation Top Depth:	1.83
Formation End Depth:	3.05
Formation End Depth UOM:	m
--	--
Formation ID:	933051701
Layer:	4
General Color:	BROWN
Most Common Material:	FINE SAND
Other Materials:	CLAY
Other Materials:	
Formation Top Depth:	3.05
Formation End Depth:	8.54
Formation End Depth UOM:	m
--	--
Formation ID:	933051702
Layer:	5
General Color:	BROWN
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	8.54
Formation End Depth:	11.59
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933292356
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m
--	--
Plug ID:	933292357
Layer:	2
Plug From:	6
Plug To:	10
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965740457
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11566121
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930878294
Layer:	1
Open Hole or Material:	
Depth From:	0
Depth To:	10.06
Casing Diameter:	6.25

Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933418173
Layer:	1
Slot:	008
Screen Top Depth:	10.06
Screen End Depth:	11.58
Screen Material:	1
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6
--	--
Well Yield Testing	
--	--
Pump Test ID:	11573457
Pump Set At:	
Static Level:	1.64
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	13.6
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	20
Flowing:	
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	11611940
Pump Test ID:	11573457
Test Type:	Draw Down
Test Duration:	2
Test Level:	3.88
Test Level UOM:	m
--	--
Pump Test Detail ID:	11611941
Pump Test ID:	11573457
Test Type:	Draw Down
Test Duration:	3
Test Level:	4.49
Test Level UOM:	m
--	--
Pump Test Detail ID:	11611942
Pump Test ID:	11573457
Test Type:	Draw Down
Test Duration:	4
Test Level:	4.94
Test Level UOM:	m
--	--
Pump Test Detail ID:	11611943
Pump Test ID:	11573457
Test Type:	Draw Down
Test Duration:	5
Test Level:	5.44
Test Level UOM:	m
--	--
Pump Test Detail ID:	11611944

Pump Test ID:	11573457
Test Type:	Draw Down
Test Duration:	10
Test Level:	7.35
Test Level UOM:	m
--	--
Pump Test Detail ID:	11611945
Pump Test ID:	11573457
Test Type:	Draw Down
Test Duration:	15
Test Level:	8.59
Test Level UOM:	m
--	--
Pump Test Detail ID:	11611946
Pump Test ID:	11573457
Test Type:	Draw Down
Test Duration:	20
Test Level:	9.34
Test Level UOM:	m
--	--
--	--
--	--

48 | **1 of 1** | **S/132.7** | **221.0** | **36 Ellen St, Barrie ON L4N3A3** | **EHS**

Postal Code:	L4N3A3
City:	Barrie
Address2:	
Address1:	36 Ellen St
Provstate:	ON
Order No.:	20160831040
Addit. Info Ordered::	
Report Date:	06-SEP-16
Report Type:	Standard Report
Search Radius (km):	.25

49 | **1 of 1** | **NNE/136.1** | **221.8** | **Barrie ON** | **WWIS**

Well ID:	7231049	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1005203844
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	12-AUG-14
Remarks:	
Zone:	17
East 83:	604195
North 83:	4915648
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m

Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005278336
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	1005278337
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	10
Formation End Depth UOM:	ft
--	--
Formation ID:	1005278338
Layer:	3
General Color:	BROWN
Most Common Material:	PEAT
Other Materials:	STONES
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005278345
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft
--	--
Plug ID:	1005278346
Layer:	2
Plug From:	1
Plug To:	4
Plug Depth UOM:	ft
--	--
Plug ID:	1005278347
Layer:	3
Plug From:	4
Plug To:	14
Plug Depth UOM:	ft
--	--

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

Method of Construction & Well Use	
--	--
Method Construction ID:	1005278344
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005278335
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005278341
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005278342
Layer:	1
Slot:	10
Screen Top Depth:	4
Screen End Depth:	14
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4
--	--
Water Details	
--	--
Water ID:	1005278340
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	4
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1005278339
Diameter:	8.25
Depth From:	0
Depth To:	14
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

50	***1 of 2***	***NNW/145.2***	***225.0***	***BARRIE PUBLIC UTILITIES COMMISSION04-318 CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8***	***GEN***

PO Box Num:

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

Status:
Country:
Generator #: ON0519705
Approval Yrs:: 92,93,94,95,96,97,98
SIC Code: 4911
SIC Description: ELECT. POWER SYS.

--Details--
Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

---

50 | ***2 of 2*** | ***NNW/145.2*** | ***225.0*** | ***BARRIE PUBLIC UTILITIES COMMISSION CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8*** | ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON0519705
Approval Yrs:: 89
SIC Code: 4911
SIC Description: ELECT. POWER SYS.

--Details--
Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

---

51 | ***1 of 1*** | ***W/145.8*** | ***224.0*** | ***ON*** | ***WWIS***

Well ID: 7202513
Construction Date::
Primary Water Use::
Sec. Water Use::
Final Well Status::
Specific Capacity::
Municipality: BARRIE CITY (VESPRA)
County: SIMCOE
Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --
Bore Hole ID: 1004325400
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 09-MAY-13
Remarks:
Zone: 17
East 83: 603907
North 83: 4915341
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr

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

Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
-- --

---

52 ***1 of 1*** ***S/149.3*** ***221.0*** ***37 Ellen St Barrie ON*** ***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20050408005
Addit. Info Ordered::
Report Date: 4/18/2005
Report Type:
Search Radius (km): 0.25

---

53 ***1 of 1*** ***SE/150.0*** ***219.0*** ***ON*** ***WWIS***

Well ID: 5717577
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Test Hole
Specific Capacity::
Municipality: BARRIE CITY
County: SIMCOE
Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --
Bore Hole ID: 10395267
DP2BR:
Code OB: o
Code OB Description: Overburden
Open Hole:
Date Completed: 01-JUL-81
Remarks:
Zone: 17
East 83: 604364.4
North 83: 4915223
UTMRC: 5
UTMRC Description: margin of error : 100 m - 300 m
Location Method: p5
Org CS:
Elevation: 220.03
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:

Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932329706
Layer:	1
General Color:	
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft
--	--
Formation ID:	932329707
Layer:	2
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	SILT
Formation Top Depth:	14
Formation End Depth:	42
Formation End Depth UOM:	ft
--	--
Formation ID:	932329708
Layer:	3
General Color:	
Most Common Material:	SAND
Other Materials:	CLAY
Other Materials:	GRAVEL
Formation Top Depth:	42
Formation End Depth:	70
Formation End Depth UOM:	ft
--	--
Formation ID:	932329709
Layer:	4
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	SANDY
Formation Top Depth:	70
Formation End Depth:	75
Formation End Depth UOM:	ft
--	--
Formation ID:	932329710
Layer:	5
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	SILTY
Other Materials:	
Formation Top Depth:	75
Formation End Depth:	87
Formation End Depth UOM:	ft
--	--
Formation ID:	932329711
Layer:	6
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	HARD
Formation Top Depth:	87
Formation End Depth:	99
Formation End Depth UOM:	ft
--	--
Formation ID:	932329712

Layer:	7
General Color:	
Most Common Material:	CLAY
Other Materials:	FINE GRAVEL
Other Materials:	SANDY
Formation Top Depth:	99
Formation End Depth:	126
Formation End Depth UOM:	ft
--	--
Formation ID:	932329713
Layer:	8
General Color:	
Most Common Material:	CLAY
Other Materials:	SAND
Other Materials:	LAYERED
Formation Top Depth:	126
Formation End Depth:	142
Formation End Depth UOM:	ft
--	--
Formation ID:	932329714
Layer:	9
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	142
Formation End Depth:	148
Formation End Depth UOM:	ft
--	--
Formation ID:	932329715
Layer:	10
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	CLAY
Formation Top Depth:	148
Formation End Depth:	150
Formation End Depth UOM:	ft
--	--
Formation ID:	932329716
Layer:	11
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	150
Formation End Depth:	153
Formation End Depth UOM:	ft
--	--
Formation ID:	932329717
Layer:	12
General Color:	
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	153
Formation End Depth:	157
Formation End Depth UOM:	ft
--	--
Formation ID:	932329718
Layer:	13
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	CLAY
Formation Top Depth:	157

Formation End Depth:	176
Formation End Depth UOM:	ft
--	--
Formation ID:	932329719
Layer:	14
General Color:	
Most Common Material:	COARSE SAND
Other Materials:	CLAY
Other Materials:	SILTY
Formation Top Depth:	176
Formation End Depth:	184
Formation End Depth UOM:	ft
--	--
Formation ID:	932329720
Layer:	15
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	184
Formation End Depth:	198
Formation End Depth UOM:	ft
--	--
Formation ID:	932329721
Layer:	16
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	SILT
Formation Top Depth:	198
Formation End Depth:	220
Formation End Depth UOM:	ft
--	--
Formation ID:	932329722
Layer:	17
General Color:	
Most Common Material:	SAND
Other Materials:	SILTY
Other Materials:	
Formation Top Depth:	220
Formation End Depth:	228
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965717577
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10943837
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930646171
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	99
Casing Diameter:	12

Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930646172
Layer:	2
Open Hole or Material:	STEEL
Depth From:	
Depth To:	150
Casing Diameter:	10
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930646173
Layer:	3
Open Hole or Material:	STEEL
Depth From:	
Depth To:	162
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933370769
Layer:	1
Slot:	040
Screen Top Depth:	162
Screen End Depth:	202
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	8
--	--
Well Yield Testing	
--	--
Pump Test ID:	995717577
Pump Set At:	
Static Level:	6
Final Level After Pumping:	18
Recommended Pump Depth:	
Pumping Rate:	650
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	72
Pumping Duration MIN:	0
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934298375
Pump Test ID:	995717577
Test Type:	Draw Down
Test Duration:	15
Test Level:	8
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934572807
Pump Test ID:	995717577
Test Type:	Draw Down
Test Duration:	30

Test Level:	9
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934823777
Pump Test ID:	995717577
Test Type:	Draw Down
Test Duration:	45
Test Level:	9
Test Level UOM:	ft
--	--
Pump Test Detail ID:	935088991
Pump Test ID:	995717577
Test Type:	Draw Down
Test Duration:	60
Test Level:	10
Test Level UOM:	ft
--	--
--	--
--	--

54 **1 of 1** **ENE/150.9** **219.0** **ON** **WWIS**

Well ID:	7169807	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::		**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1003578506
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	27-SEP-11
Remarks:	
Zone:	17
East 83:	604401
North 83:	4915463
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1003993357
Layer:	
General Color:	
Most Common Material:	

Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1003993365
Layer:	1
Plug From:	0
Plug To:	10
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1003993364
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1003993356
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1003993360
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	1003993361
Layer:	2
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1003993362
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	10
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.25
--	--
Hole Diameter	
--	--
Hole ID:	1003993358

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Diameter:		2.25			
Depth From:		0			
Depth To:		10			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
--		--			
--		--			

55	1 of 3	NNW/152.5	224.0	**11 High St.** **Barrie ON L4N 1V9**	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20071210021
Addit. Info Ordered::	Title Search
Report Date:	12/14/2007
Report Type:	CAN - Complete Report
Search Radius (km):	0.25

55	2 of 3	NNW/152.5	224.0	**Painters Supply & Equipment (Canada) Inc.** **11 High Street** **Barrie ON L4N 1V9**	GEN

PO Box Num:	
Status:	
Country:	
Generator #:	ON3447810
Approval Yrs::	03,04,05,06
SIC Code:	811121
SIC Description:	Automotive Body, Paint & Interior R&M

--Details--

Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES

55	3 of 3	NNW/152.5	224.0	**CARQUEST AUTOMOTIVE FINISHES CANADA LTD** **11 HIGH STREET** **BARRIE ON L4N 1V9**	GEN

PO Box Num:	
Status:	
Country:	
Generator #:	ON3447810
Approval Yrs::	07,08
SIC Code:	418990
SIC Description:	All Other Wholesaler-Distributors

--Details--

Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES

56	1 of 1	NNE/156.2	221.0	**Barrie ON**	WWIS

Well ID:	7231048	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Monitoring	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1005203841
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	11-AUG-14
Remarks:	
Zone:	17
East 83:	604214
North 83:	4915661
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1005278312
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	1005278313
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	14
Formation End Depth UOM:	ft
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	1005278320
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

--	--
Plug ID:	1005278321
Layer:	2
Plug From:	1
Plug To:	4
Plug Depth UOM:	ft
--	--
Plug ID:	1005278322
Layer:	3
Plug From:	4
Plug To:	14
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005278319
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005278311
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005278316
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005278317
Layer:	1
Slot:	10
Screen Top Depth:	4
Screen End Depth:	14
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4
--	--
Hole Diameter	
--	--
Hole ID:	1005278314
Diameter:	8.25
Depth From:	0
Depth To:	14
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
57	1 of 1	N/159.8	222.0	PUC 25 TORONTO ST.	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				BARRIE CITY ON L4N 1T8	

Ref No: 65166
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: //
Incident Reason: UNKNOWN
Incident Summary: BACKENTRY-PUC -FUEL SHEEN IN EXCAVATION, SOURCE UNKNOWN.
MOE Reported Dt: 12/11/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact: Soil Contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

58	***1 of 1***	***NNE/160.5***	***221.0***	***34 Simcoe Street and 2 Mary Street Barrie ON***	***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20090108005
Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans
Report Date: 1/13/2009
Report Type: Custom Report
Search Radius (km): 0.25

59	***1 of 1***	***N/161.4***	***223.0***	***31B TORONTO STREET BARRIE ON L4N 1T8***	***HINC***

External File Num: FS INC 0612-04617
Date of Occurrence: 11/17/2006
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc:: Completed - Causal Analysis(End)
Job Type Desc:: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:: Construction Site (pipeline strike)
Service Interruptions:: Yes
Property Damage:: No
Fuel Life Cycle Stage:: Transmission, Distribution and Transportation
Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes
Reported Details::
Fuel Category:: Gaseous Fuel
Occurrence Type:: Incident
Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:: Simcoe
Approx. Quant. Rel::
Nearby body of water::
Enter Drainage Syst.::
Approx. Quant. Unit::
Environmental Impact::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
60	1 of 3	NNE/164.5	221.0	Golfside Construction Limited 34 Simcoe Street Barrie ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON9406912
Approval Yrs:: 2013
SIC Code: 236210
SIC Description: INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
60	2 of 3	NNE/164.5	221.0	Golfside Construction Limited 34 Simcoe Street Barrie ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON9406912
Approval Yrs:: As of April 2014
SIC Code:
SIC Description:

--Details--
Waste Code: 221
Waste Description: Light fuels

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
60	3 of 3	NNE/164.5	221.0	The Corporation of the City of Barrie; Golfside Construction Ltd. Toronto St and Marina; 34 Simcoe St Barrie; Barrie ON	SPL

Ref No: 6720-8WZJFQ
Contaminant Code: 13
Contaminant Name: HYDROCARBON LIGHT
Contaminant Quantity: 0 other - see incident description
Incident Cause:
Incident Dt: 09-AUG-12
Incident Reason: Other - Reason not otherwise defined
Incident Summary: Kidd Creek: Hydrocarbon Sheen, ongng issue
MOE Reported Dt: 09-AUG-12
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Unknown
Receiving Environment:
Incident Event:
Site Municipality: Barrie; Barrie

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
61	1 of 1	N/165.0	224.0	36 Toronto St Barrie ON L4N1T9	EHS

Postal Code:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
City:					
Address2:					
Address1:					
Provstate:					
Order No.:		20131015010			
Addit. Info Ordered::					
Report Date:		21-OCT-13			
Report Type:		Standard Report			
Search Radius (km):		.25			
62	***1 of 10***	***SSW/166.4***	***223.0***	***THOWISEL LTD*** ***111 BRADFORD ST*** ***BARRIE ON***	***EXP***
Instance ID:		27199			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					
Instance Number:		10554679			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
62	***2 of 10***	***SSW/166.4***	***223.0***	***THOWISEL LTD*** ***111 BRADFORD ST*** ***BARRIE ON L4N 3A9***	***EXP***
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		11/24/2001			
Instance Number:		9565290			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:					
62	***3 of 10***	***SSW/166.4***	***223.0***	***THOWISEL LTD*** ***111 BRADFORD ST*** ***BARRIE ON L4N 3A9***	***EXP***
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		11/24/2001			
Instance Number:		10554662			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
62	***4 of 10***	***SSW/166.4***	***223.0***	***THOWISEL LTD*** ***111 BRADFORD ST*** ***BARRIE ON***	***EXP***
Instance ID:		28184			
TSSA Program Area:					
Maximum Hazard Rank:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Facility Type:					
Expired Date:					
Instance Number:		10554634			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
62	5 of 10	SSW/166.4	223.0	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		11/24/2001			
Instance Number:		10554607			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
62	6 of 10	SSW/166.4	223.0	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		11/24/2001			
Instance Number:		10554607			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
62	7 of 10	SSW/166.4	223.0	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		11/24/2001			
Instance Number:		10554662			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
62	8 of 10	SSW/166.4	223.0	Thowisel Limited 111 Bradford St. Barrie ON L4N 3A9	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON5201205			
Approval Yrs::		06			
SIC Code:		447190			

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

SIC Description: Other Gasoline Stations

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

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62 | 9 of 10 | SSW/166.4 | 223.0 | **THOWISEL LTD**
111 BRADFORD ST
BARRIE ON L4N3A9 | PRT

Location ID: 1283
Type: retail
Expiry Date: 1995-12-31
Capacity (L): 90920
Licence #: 0023791001

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62 | 10 of 10 | SSW/166.4 | 223.0 | **TOM'S AUTO SERVICE**
111 BRADFORD ST
BARRIE ON L4N3A9 | RST

Code: 1186800
Facility: Service Stations-Gasoline, Oil & Natural Gas
Description:
List Name:

---

63 | 1 of 1 | N/170.8 | 223.0 | **33 TORONTO STREET**
BARRIE ON L4N 1T8 | HINC

External File Num: FS INC 0612-04560
Date of Occurrence: 11/15/2006
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc:: Completed - Causal Analysis(End)
Job Type Desc:: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:: Construction Site (pipeline strike)
Service Interruptions:: Yes
Property Damage:: No
Fuel Life Cycle Stage:: Transmission, Distribution and Transportation
Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes
Reported Details::
Fuel Category:: Gaseous Fuel
Occurrence Type:: Incident
Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:: Simcoe
Approx. Quant. Rel::
Nearby body of water::
Enter Drainage Syst.::
Approx. Quant. Unit::
Environmental Impact::

---

64 | 1 of 5 | SSE/173.9 | 221.0 | **HASSEY MANAGEMENT CORP**
37 ELLEN STREET
BARRIE ON | GEN

PO Box Num:
Status:
Country:

Generator #: ON5190469
Approval Yrs:: As of April 2014
SIC Code:
SIC Description:

--Details--
Waste Code: 212
Waste Description: Aliphatic solvents and residues

---

64 **2 of 5** **SSE/173.9** **221.0** **37 ELLEN STREET BARRIE ON L4N 6G2** **HINC**

External File Num: FS INC 0901-00374
Date of Occurrence: 1/21/2009
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc:: Completed - Causal Analysis(End)
Job Type Desc:: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:: Construction Site (pipeline strike)
Service Interruptions:: Yes
Property Damage:: No
Fuel Life Cycle Stage:: Transmission, Distribution and Transportation
Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes Training:No Management:No Human Factors:Yes
Reported Details::
Fuel Category:: Gaseous Fuel
Occurrence Type:: Incident
Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:: Simcoe
Approx. Quant. Rel::
Nearby body of water::
Enter Drainage Syst.::
Approx. Quant. Unit::
Environmental Impact::

---

64 **3 of 5** **SSE/173.9** **221.0** **Victoria Square Developments Inc. 37 Ellen Street Barrie Ontario, L4N 6G2 Barrie ON L4N 6G2** **RSC**

Registration No: 13100
RSC Type:
Restoration Type:
Date Submitted: 21-Mar-07
Date Acknowledg.:
Certification Date: 21-Feb-07
Date Returned:
Soil Type:
Criteria:
Current Property Use: Industrial
Certificate Prop Use No: No
Intended Prop Use: Residential
Applicable Standards: Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
Stratified (Y/N):
Consultant:
District Office: BARRIE
Property Municipal Address: 37 Ellen Street Barrie Ontario, L4N 6G2
Legal Description: Block A E/S Ellen St PL22 Barrie, Except PT 10 51R28486 & PTS 1 & 2 ON 51R32384; Barrie T/W Right of Way as set out in NO. SC339346
Prop. Identification No: 58795-0162 (LT)
Entire legal prop. (y/n): Yes
UTM Coordinates: NAD83 17-604189-4915077

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

Latitude & Longitude: 44.38148680N 79.69205880W (converted from UTM)
Accuracy Estimate: 0 to 1 meters
Measurement Method: Digitized from a map
CPU Issued Sect 1686: Yes

---

64 ***4 of 5*** ***SSE/173.9*** ***221.0*** ***Axmith & Company Ltd.***
37 Ellen St Suite 905
Barrie ON L4N 6G2 ***SCT***

Established: 01-NOV-87
Plant Size (ft²):
Employment:

--Details--
Description: Other Specialized Design Services
SIC/NAICS Code: 541490

Description: Architectural Services
SIC/NAICS Code: 541310

---

64 ***5 of 5*** ***SSE/173.9*** ***221.0*** ***Enbridge Gas Distribution Inc.***
37 Ellen St.
Barrie ON L4N 6G2 ***SPL***

Ref No: 6401-7NHUSH
Contaminant Code:
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Quantity: 0 other - see incident description
Incident Cause: Pipe Or Hose Leak
Incident Dt:
Incident Reason: Equipment/Vehicles
Incident Summary: TSSA/MOE: natural gas 2 inch riser sheared
MOE Reported Dt: 1/21/2009
Environmental Impact: Not Anticipated
Nature of Impact: Air Pollution
Receiving Medium:
SAC Action Class: Air Spills - Gases and Vapours
Sector Source Type: Pipeline
Receiving Environment:
Incident Event:
Site Municipality: Barrie

---

65 ***1 of 1*** ***N/178.8*** ***223.0*** ***35 TORONTO STREET***
BARRIE ON L4N 1T8 ***HINC***

External File Num: FS INC 0612-04618
Date of Occurrence: 11/17/2006
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc:: Completed - Causal Analysis(End)
Job Type Desc:: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:: Construction Site (pipeline strike)
Service Interruptions:: Yes
Property Damage:: No
Fuel Life Cycle Stage:: Transmission, Distribution and Transportation
Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes
Reported Details::
Fuel Category:: Gaseous Fuel
Occurrence Type:: Incident

Affiliation::	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name::	Simcoe
Approx. Quant. Rel::	
Nearby body of water::	
Enter Drainage Syst.::	
Approx. Quant. Unit::	
Environmental Impact::	

66 ***1 of 1*** ***SW/181.6*** ***224.0*** ***ON*** ***WWIS***

Well ID:	7180078	***Lot:***	
Construction Date::		***Concession:***	
Primary Water Use::	Monitoring	***Concession Name:***	
Sec. Water Use::		***Easting NAD83::***	
Final Well Status::	Observation Wells	***Northing NAD83::***	
Specific Capacity::		***Zone::***	
Municipality:	BARRIE CITY (VESPRA)	***UTM Reliability::***	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1003714925
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	26-JAN-12
Remarks:	
Zone:	17
East 83:	603906
North 83:	4915157
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1004291475
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	1004291476
Layer:	2
General Color:	BLACK
Most Common Material:	SAND
Other Materials:	GRAVEL

Other Materials:	SOFT
Formation Top Depth:	1
Formation End Depth:	17.5
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004291483
Layer:	1
Plug From:	0
Plug To:	7
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004291482
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004291474
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004291479
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	7.5
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004291480
Layer:	1
Slot:	10
Screen Top Depth:	7.5
Screen End Depth:	17.5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4
--	--
Hole Diameter	
--	--
Hole ID:	1004291477
Diameter:	8
Depth From:	0
Depth To:	17.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
67	1 of 1	SSE/186.3	221.5	BARRIE ON	WWIS

Well ID: 5739445
Construction Date::
Primary Water Use::
Sec. Water Use::
Final Well Status:: Observation Wells
Specific Capacity::
Municipality: BARRIE CITY (VESPRA)
County: SIMCOE

Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information

--	--
Bore Hole ID:	11328712
DP2BR:	
Code OB:	_
Code OB Description:	No formation data
Open Hole:	
Date Completed:	27-SEP-04
Remarks:	
Zone:	17
East 83:	604207
North 83:	4915088
UTMRC:	9
UTMRC Description:	unknown UTM
Location Method:	wwr
Org CS:	UTM83
Elevation:	222.2
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	933285661
Layer:	1
Plug From:	1
Plug To:	0
Plug Depth UOM:	m
--	--
Plug ID:	933285662
Layer:	2
Plug From:	1
Plug To:	11
Plug Depth UOM:	m
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	965739445
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	
--	--

Pipe Information

--	--
Pipe ID:	11343567
Casing Number:	1
Comment:	

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

Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930868863
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933416576
Layer:	1
Slot:	010
Screen Top Depth:	1
Screen End Depth:	11
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1
--	--
Hole Diameter	
--	--
Hole ID:	11545431
Diameter:	3
Depth From:	0
Depth To:	11
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

68	***1 of 1***	***NNE/192.5***	***221.0***	***BARRIE CITY - PT.LOTS 41&44,LOTS 42 & 49 MARY ST./SIMCOE ST. BARRIE CITY ON***	***CA***

Certificate #:	3-1639-91-
Application Year:	91
Issue Date:	11/1/1991
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

69	***1 of 1***	***SSW/193.7***	***223.6***	***120 Bradford Inc. City of Barrie ON***	***ECA***

Record Type:	ECA
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/3449-9X5HW3-14.pdf
Full Address:	City of Barrie, Simcoe County
CofA Number:	9572-A3RLJF

Date: 2016-02-18
Status: Approved
Project Type: Industrial Sewage Works

---

70 **1 of 1** **NNW/198.4** **225.0** **12? Bradford St Barrie ON** **SPL**

Ref No: 7747-5R9S2K
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:
Incident Cause: Pipe Or Hose Leak
Incident Dt: 9/10/2003
Incident Reason: Unknown - Reason not determined
Incident Summary: Barrie Cent HS- sewage to cb, contained,Works
MOE Reported Dt: 9/10/2003
Environmental Impact: Possible
Nature of Impact: Other Impact(s)
Receiving Medium: Water
SAC Action Class: Spills
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Barrie

---

71 **1 of 1** **SE/198.6** **220.0** **lot 24 ON** **WWIS**

Well ID: 5736742
Construction Date::
Primary Water Use:: Not Used
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: BARRIE CITY
County: SIMCOE
Lot: 024
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --
Bore Hole ID: 10527754
DP2BR: 246
Code OB: h
Code OB Description: Mixed in a Layer
Open Hole:
Date Completed: 26-MAR-02
Remarks:
Zone: 17
East 83: 604384
North 83: 4915176
UTMRC: 3
UTMRC Description: margin of error : 10 - 30 m
Location Method:
Org CS: N83
Elevation: 220.76
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment: Northing and/or Easting field has been changed. Location estimated from sketch map.
Improvement Location Source: 1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method: GIS10000
Supplier Comment: Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.

Spatial Status:	Improved
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932871204
Layer:	1
General Color:	
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft
--	--
Formation ID:	932871205
Layer:	2
General Color:	
Most Common Material:	SAND
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	66
Formation End Depth UOM:	ft
--	--
Formation ID:	932871206
Layer:	3
General Color:	
Most Common Material:	CLAY
Other Materials:	SILTY
Other Materials:	
Formation Top Depth:	66
Formation End Depth:	160
Formation End Depth UOM:	ft
--	--
Formation ID:	932871207
Layer:	4
General Color:	
Most Common Material:	GRAVEL
Other Materials:	SAND
Other Materials:	MARL
Formation Top Depth:	160
Formation End Depth:	171
Formation End Depth UOM:	ft
--	--
Formation ID:	932871208
Layer:	5
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	BOULDERS
Formation Top Depth:	171
Formation End Depth:	192
Formation End Depth UOM:	ft
--	--
Formation ID:	932871209
Layer:	6
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	MARL
Formation Top Depth:	192
Formation End Depth:	210
Formation End Depth UOM:	ft
--	--
Formation ID:	932871210

Layer:	7
General Color:	
Most Common Material:	GRAVEL
Other Materials:	SAND
Other Materials:	BOULDERS
Formation Top Depth:	210
Formation End Depth:	246
Formation End Depth UOM:	ft
--	--
Formation ID:	932871211
Layer:	8
General Color:	
Most Common Material:	GRAVEL
Other Materials:	SAND
Other Materials:	MARL
Formation Top Depth:	246
Formation End Depth:	251
Formation End Depth UOM:	ft
--	--
Formation ID:	932871212
Layer:	9
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	251
Formation End Depth:	255
Formation End Depth UOM:	ft
--	--
Formation ID:	932871213
Layer:	10
General Color:	
Most Common Material:	GRAVEL
Other Materials:	SAND
Other Materials:	
Formation Top Depth:	255
Formation End Depth:	261
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933228572
Layer:	1
Plug From:	3
Plug To:	104
Plug Depth UOM:	ft
--	--
Plug ID:	933228573
Layer:	2
Plug From:	104
Plug To:	261
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965736742
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11076324
Casing Number:	1

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

72	1 of 1	S/200.1	222.0	**P.U.C. BARRIE** **ELLEN ST./VICTORIA ST.** **BARRIE CITY ON**	CA

Certificate #:	7-0741-90-
Application Year:	90
Issue Date:	5/24/1990
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

73	1 of 1	NNW/213.9	225.0	**Barrie Denture Clinic** **5 Bradford St** **Barrie ON L4N 3A6**	SCT

Established:	01-JUN-97
Plant Size (ft²):	
Employment:	

--Details--

Description:	Offices of All Other Health Practitioners
SIC/NAICS Code:	621390
Description:	Medical Equipment and Supplies Manufacturing
SIC/NAICS Code:	339110

74	1 of 1	SW/214.9	224.3	**ON**	WWIS

Well ID:	7197569	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::		**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1004255971
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	12-MAY-12
Remarks:	
Zone:	17
East 83:	603876
North 83:	4915142

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

UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
75	1 of 1	NNW/219.7	224.0	**The Corporation of the City of Barrie** **15-39 High Street, Simcoe Street & 2-28 Toronto Street** **Barrie ON**	CA

Certificate #:	5461-6GMQHL
Application Year:	2005
Issue Date:	9/28/2005
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
76	1 of 1	SE/220.7	219.3	**ON**	WWIS

Well ID:	5717579	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Not Used	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Observation Wells	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	10395269
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	29-APR-81
Remarks:	
Zone:	17
East 83:	604414.4
North 83:	4915173
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	

Elevation:	219.69
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	932329731
Layer:	1
General Color:	
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft
--	--
Formation ID:	932329732
Layer:	2
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	SILTY
Formation Top Depth:	16
Formation End Depth:	28
Formation End Depth UOM:	ft
--	--
Formation ID:	932329733
Layer:	3
General Color:	
Most Common Material:	GRAVEL
Other Materials:	SILT
Other Materials:	FINE SAND
Formation Top Depth:	28
Formation End Depth:	38
Formation End Depth UOM:	ft
--	--
Formation ID:	932329734
Layer:	4
General Color:	
Most Common Material:	CLAY
Other Materials:	SAND
Other Materials:	SILTY
Formation Top Depth:	38
Formation End Depth:	71
Formation End Depth UOM:	ft
--	--
Formation ID:	932329735
Layer:	5
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	FINE GRAVEL
Other Materials:	SILTY
Formation Top Depth:	71
Formation End Depth:	85
Formation End Depth UOM:	ft
--	--
Formation ID:	932329736
Layer:	6
General Color:	

Most Common Material:	GRAVEL
Other Materials:	CLAY
Other Materials:	SAND
Formation Top Depth:	85
Formation End Depth:	104
Formation End Depth UOM:	ft
--	--
Formation ID:	932329737
Layer:	7
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	FINE GRAVEL
Other Materials:	SILTY
Formation Top Depth:	104
Formation End Depth:	147
Formation End Depth UOM:	ft
--	--
Formation ID:	932329738
Layer:	8
General Color:	
Most Common Material:	GRAVEL
Other Materials:	SAND
Other Materials:	BOULDERS
Formation Top Depth:	147
Formation End Depth:	155
Formation End Depth UOM:	ft
--	--
Formation ID:	932329739
Layer:	9
General Color:	
Most Common Material:	SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	155
Formation End Depth:	157
Formation End Depth UOM:	ft
--	--
Formation ID:	932329740
Layer:	10
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	BOULDERS
Formation Top Depth:	157
Formation End Depth:	175
Formation End Depth UOM:	ft
--	--
Formation ID:	932329741
Layer:	11
General Color:	
Most Common Material:	FINE SAND
Other Materials:	SILTY
Other Materials:	
Formation Top Depth:	175
Formation End Depth:	182
Formation End Depth UOM:	ft
--	--
Formation ID:	932329742
Layer:	12
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	BOULDERS
Formation Top Depth:	182
Formation End Depth:	222
Formation End Depth UOM:	ft

--	--
Formation ID:	932329743
Layer:	13
General Color:	
Most Common Material:	SAND
Other Materials:	CLAY
Other Materials:	LAYERED
Formation Top Depth:	222
Formation End Depth:	243
Formation End Depth UOM:	ft
--	--
Formation ID:	932329744
Layer:	14
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	SILTY
Other Materials:	
Formation Top Depth:	243
Formation End Depth:	274
Formation End Depth UOM:	ft
--	--
Formation ID:	932329745
Layer:	15
General Color:	
Most Common Material:	SAND
Other Materials:	FINE GRAVEL
Other Materials:	BOULDERS
Formation Top Depth:	274
Formation End Depth:	282
Formation End Depth UOM:	ft
--	--
Formation ID:	932329746
Layer:	16
General Color:	
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	BOULDERS
Formation Top Depth:	282
Formation End Depth:	295
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965717579
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10943839
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930646174
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	103
Casing Diameter:	10
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

--	--
Casing ID:	930646175
Layer:	2
Open Hole or Material:	STEEL
Depth From:	
Depth To:	210
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933370770
Layer:	1
Slot:	020
Screen Top Depth:	210
Screen End Depth:	220
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.25
--	--
Well Yield Testing	
--	--
Pump Test ID:	995717579
Pump Set At:	
Static Level:	6
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	N
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
77	1 of 2	NNE/223.9	221.7	VALLEY BUS LINES (BARRIE) LTD. GARAGE 19 MARY STREET BARRIE ON L4N 1S9		GEN

PO Box Num:	
Status:	
Country:	
Generator #:	ON0821000
Approval Yrs::	86,87,88,89,90
SIC Code:	4573
SIC Description:	SCHOOL BUS OPER.
--Details--	
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
77	2 of 2	NNE/223.9	221.7	VALLEY (OUT OF BUSINESS) GARAGE 19 MARY STREET	40-119	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				BARRIE ON L4N 1S9	

PO Box Num:
Status:
Country:
Generator #: ON0821000
Approval Yrs:: 92,93,94,95,96,97,98
SIC Code: 4573
SIC Description: SCHOOL BUS OPER.

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

78 ***1 of 4*** ***SSE/225.8*** ***222.0*** ***Sacksen Medicine Prof. Corp*** ***GEN***
11 Victoria St. Unit B1
Barrie ON L4N 6T3

PO Box Num:
Status:
Country:
Generator #: ON6349136
Approval Yrs:: 2010
SIC Code: 621110
SIC Description: Offices of Physicians

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

---

78 ***2 of 4*** ***SSE/225.8*** ***222.0*** ***Lakeshore Family Medicine*** ***GEN***
216-11 Victoria St.
Barrie ON

PO Box Num:
Status:
Country:
Generator #: ON3073388
Approval Yrs:: As of May 2015
SIC Code:
SIC Description:

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

Waste Code: 261
Waste Description: Pharmaceuticals

---

78 ***3 of 4*** ***SSE/225.8*** ***222.0*** ***Resolution Management Inc*** ***GEN***
11 Victoria Street Suite 218
Barrie ON L4N 6T3

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON3844318

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Approval Yrs::		As of Sep 2016			
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		312 P			
Waste Description:		Pathological wastes			

78	4 of 4	SSE/225.8	222.0	**Lakeshore Family Medicine** **216-11 Victoria St.** **Barrie ON L4N 6T3**	GEN

PO Box Num:	
Status:	Registered
Country:	Canada
Generator #:	ON3073388
Approval Yrs::	As of Sep 2016
SIC Code:	
SIC Description:	
--Details--	
Waste Code:	261 A
Waste Description:	Pharmaceuticals
Waste Code:	312 P
Waste Description:	Pathological wastes

79	1 of 1	SSE/230.6	222.0	**11 Victoria Street** **Barrie ON L4N 6T3**	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20100416018
Addit. Info Ordered::	
Report Date:	4/26/2010
Report Type:	Standard Report
Search Radius (km):	0.25

80	1 of 1	NNE/232.6	222.0	**13 Mary Street** **Barrie ON**	CA

Certificate #:	5432-4KEL8A
Application Year:	00
Issue Date:	6/7/00
Approval Type:	Industrial sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name::	Barrie Public Utilities Commission
Client Address::	55 Patterson Road, Box 7000
Client City::	Barrie
Client Postal Code::	L4M 4V8
Project Description::	To design, construct, operate and maintain twin stormwater discharge and spill containment systems.
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
81	1 of 2	SW/232.9	225.0	Barrie ON	WWIS

Well ID: 7174710
Construction Date::
Primary Water Use::
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: BARRIE CITY (VESPRA)
County: SIMCOE

Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information

--	--
Bore Hole ID:	1003630718
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	04-NOV-11
Remarks:	
Zone:	17
East 83:	603883
North 83:	4915103
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1004062909
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	m
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	1004062915
Layer:	1
Plug From:	0
Plug To:	2
Plug Depth UOM:	m
--	--
Plug ID:	1004062916
Layer:	2
Plug From:	2
Plug To:	12
Plug Depth UOM:	m

--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004062914
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004062908
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004062912
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004062913
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	
--	--
Hole Diameter	
--	--
Hole ID:	1004062910
Diameter:	20.9
Depth From:	0
Depth To:	6
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

81 **2 of 2** **SW/232.9** **225.0** **Barrie ON** **WWIS**

Well ID:	7174734	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Abandoned-Other	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information	
--	--

Bore Hole ID:	1003630833
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	04-NOV-11
Remarks:	
Zone:	17
East 83:	603883
North 83:	4915103
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1004071426
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004071432
Layer:	1
Plug From:	0
Plug To:	.2
Plug Depth UOM:	m
--	--
Plug ID:	1004071433
Layer:	2
Plug From:	.2
Plug To:	6
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004071431
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004071425
Casing Number:	0
Comment:	
Alt Name:	

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

--	--
Construction Record - Casing	
--	--
Casing ID:	1004071429
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004071430
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	
--	--
Hole Diameter	
--	--
Hole ID:	1004071427
Diameter:	20.9
Depth From:	0
Depth To:	6
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
82	1 of 1	NNW/234.6	225.0	35-39 High Street Barrie ON L4N 1W2	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20010723006
Addit. Info Ordered::	
Report Date:	7/25/01
Report Type:	Site Report
Search Radius (km):	0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
83	1 of 3	SSE/238.7	221.0	LAKESHORE DR & VICTORIA ST, BARRIE ON	INC

Incident ID:	
Incident Number:	1517594
Attribute Category:	FS-Perform L1 Incident Insp
Status Code:	
Incident Location:	LAKESHORE DR & VICTORIA ST, BARRIE - LEAK
Drainage System:	
Sub Surface Contam.:	
Aff. Prop. Use Water:	
Contam. Migrated:	
Contact Natural Env.:	

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

Near Body of Water:	
Approx. Quant. Rel.:	
Equipment Model:	
Serial No:	
Residential App. Type:	
Commercial App. Type:	
Industrial App. Type:	
Institutional App. Type:	
Venting Type:	
Vent Connector Mater.:	
Vent Chimney Mater.:	
Notes:	
Pipeline Type:	
Pipeline Involved:	
Pipe Material:	
Depth Ground Cover:	
Regulator Location:	
Regulator Type:	
Operation Pressure:	
Occurence Narrative:	OIL SPILL FROM GENERATOR
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac.:	
Liquid Prop Notes:	

83	***2 of 3***	***SSE/238.7***	***221.0***	***The Corporation of the City of Barrie*** ***Victoria Street and Lakeshore Drive*** ***Barrie ON***	***SPL***

Ref No:	7778-A92RRS
Contaminant Code:	24
Contaminant Name:	GLYCOL/WATER SOLUTION
Contaminant Quantity:	300 L
Incident Cause:	
Incident Dt:	2016/04/15
Incident Reason:	Operator/Human Error
Incident Summary:	City of Barrie: 300 L ethylene glycol to soil, clng
MOE Reported Dt:	2016/04/15
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	Land Spills
Sector Source Type:	Miscellaneous Communal
Receiving Environment:	Land; Source Water Zone
Incident Event:	Leak/Break
Site Municipality:	Barrie

83	***3 of 3***	***SSE/238.7***	***221.0***	***The Corporation of the City of Barrie; Atlas Dewatering Corporation*** ***Corner of Lakeshore and Victoria*** ***Barrie ON***	***SPL***

Ref No:	5211-9QRJDS

Contaminant Code:	13
Contaminant Name:	DIESEL FUEL
Contaminant Quantity:	150 L
Incident Cause:	Leak/Break
Incident Dt:	2014/11/11
Incident Reason:	Equipment Failure
Incident Summary:	Barrie: 150L diesel to grnd and water, cntnd
MOE Reported Dt:	2014/11/11
Environmental Impact:	Not Anticipated
Nature of Impact:	Soil Contamination; Surface Water Pollution
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	Tank - Above Ground
Receiving Environment:	
Incident Event:	
Site Municipality:	Barrie

---

84 **1 of 1** **NNE/239.9** **223.0** **ON** **WWIS**

Well ID:	5700230	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::	Not Used	**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Test Hole	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	10378124
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	21-JUL-37
Remarks:	
Zone:	17
East 83:	604216.4
North 83:	4915751
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	222.12
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932255733
Layer:	1
General Color:	
Most Common Material:	FILL
Other Materials:	
Other Materials:	

Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	932255734
Layer:	2
General Color:	
Most Common Material:	PEAT
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	26
Formation End Depth UOM:	ft
--	--
Formation ID:	932255735
Layer:	3
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	26
Formation End Depth:	42
Formation End Depth UOM:	ft
--	--
Formation ID:	932255736
Layer:	4
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	BOULDERS
Formation Top Depth:	42
Formation End Depth:	56
Formation End Depth UOM:	ft
--	--
Formation ID:	932255737
Layer:	5
General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	CLAY
Formation Top Depth:	56
Formation End Depth:	75
Formation End Depth UOM:	ft
--	--
Formation ID:	932255738
Layer:	6
General Color:	
Most Common Material:	CLAY
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	75
Formation End Depth:	85
Formation End Depth UOM:	ft
--	--
Formation ID:	932255739
Layer:	7
General Color:	
Most Common Material:	FINE SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	85
Formation End Depth:	96
Formation End Depth UOM:	ft
--	--
Formation ID:	932255740
Layer:	8

General Color:	
Most Common Material:	MEDIUM SAND
Other Materials:	GRAVEL
Other Materials:	
Formation Top Depth:	96
Formation End Depth:	125
Formation End Depth UOM:	ft
--	--
Formation ID:	932255741
Layer:	9
General Color:	
Most Common Material:	HARDPAN
Other Materials:	
Other Materials:	
Formation Top Depth:	125
Formation End Depth:	129
Formation End Depth UOM:	ft
--	--
Formation ID:	932255742
Layer:	10
General Color:	
Most Common Material:	GRAVEL
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	129
Formation End Depth:	148
Formation End Depth UOM:	ft
--	--
Formation ID:	932255743
Layer:	11
General Color:	
Most Common Material:	CLAY
Other Materials:	MEDIUM SAND
Other Materials:	
Formation Top Depth:	148
Formation End Depth:	149
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	965700230
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10926694
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930625728
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	102
Casing Diameter:	26
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930625729
Layer:	2

Open Hole or Material:	STEEL
Depth From:	
Depth To:	129
Casing Diameter:	14
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933362785
Layer:	1
Slot:	
Screen Top Depth:	129
Screen End Depth:	149
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	14
--	--
Well Yield Testing	
--	--
Pump Test ID:	995700230
Pump Set At:	
Static Level:	-20
Final Level After Pumping:	27
Recommended Pump Depth:	
Pumping Rate:	1107
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	24
Pumping Duration MIN:	0
Flowing:	Y
--	--
--	--

85 ***1 of 2*** ***WSW/244.5*** ***223.1*** ***Vespra & Innisfil Dump II*** ***ANDR***

Barrie ON L4N

Legal Description:	Vespra
Location Description:	Vespra & Innisfil Sts
Municipality:	Barrie City
Current Municipality:	Barrie City
RM:	Simcoe County
Facility:	Dump
Date Active:	1950s-60s
Date Begun:	
Date Complete:	1960
Area (Ha):	
Landfill Type:	
Group Name:	
Operated By:	
Serial:	MOEE 4102
NTS:	31D05
Diameter (m):	

Historical Summary:

Vespra & Innisfil Dump II MOEE 1994 Vespra & Innisfil Sts cited as a closed waste disposal site [Ontario Ministry of the Environment [1994] Waste

disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093].

Waste Type:
UTM X Nad 27:
UTM Y Nad 27:
UTM Zone:

---

85 ***2 of 2*** ***WSW/244.5*** ***223.1*** ***Vespra & Brantford St Dump*** ***ANDR***

Barrie ON L4N

Legal Description:	Vespra
Location Description:	Vespra & Brantford St
Municipality:	Barrie City
Current Municipality:	Barrie City
RM:	Simcoe County
Facility:	Dump
Date Active:	-1964
Date Begun:	
Date Complete:	1964
Area (Ha):	
Landfill Type:	
Group Name:	
Operated By:	
Serial:	MOEE 4107
NTS:	31D05
Diameter (m):	

Historical Summary:

Listed in Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093

Waste Type:
UTM X Nad 27:
UTM Y Nad 27:
UTM Zone:

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86 ***1 of 1*** ***WSW/245.1*** ***223.0*** ***WWIS***

ON

Well ID:	7180074	***Lot:***	
Construction Date::		***Concession:***	
Primary Water Use::	Monitoring	***Concession Name:***	
Sec. Water Use::		***Easting NAD83::***	
Final Well Status::	Observation Wells	***Northing NAD83::***	
Specific Capacity::		***Zone::***	
Municipality:	BARRIE CITY (VESPRA)	***UTM Reliability::***	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1003714913
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	02-FEB-12
Remarks:	
Zone:	17
East 83:	603821
North 83:	4915192

UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1004291429
Layer:	1
General Color:	BROWN
Most Common Material:	TOPSOIL
Other Materials:	SAND
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft
--	--
Formation ID:	1004291430
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	SOFT
Formation Top Depth:	1
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	1004291431
Layer:	3
General Color:	BLACK
Most Common Material:	SAND
Other Materials:	SILT
Other Materials:	SOFT
Formation Top Depth:	5
Formation End Depth:	17
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004291438
Layer:	1
Plug From:	0
Plug To:	11.5
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004291437
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--

Pipe ID:	1004291428
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004291434
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	12
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004291435
Layer:	1
Slot:	10
Screen Top Depth:	12
Screen End Depth:	17
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4
--	--
Hole Diameter	
--	--
Hole ID:	1004291432
Diameter:	8
Depth From:	0
Depth To:	17
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

87	***1 of 10***	***NW/247.3***	***225.0***	***SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9***	***GEN***

PO Box Num:	
Status:	
Country:	
Generator #:	ON0358107
Approval Yrs::	2011
SIC Code:	611110
SIC Description:	Elementary and Secondary Schools
--Details--	
Waste Code:	112
Waste Description:	ACID WASTE - HEAVY METALS
Waste Code:	264
Waste Description:	PHOTOPROCESSING WASTES
Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

87	2 of 10	NW/247.3	225.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: As of May 2015
SIC Code:
SIC Description:

--Details--
Waste Code: 212
Waste Description: Aliphatic solvents and residues

Waste Code: 145
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 213
Waste Description: Petroleum distillates

Waste Code: 251
Waste Description: Waste oils/sludges (petroleum based)

Waste Code: 264
Waste Description: Photoprocessing wastes

Waste Code: 263
Waste Description: Misc. waste organic chemicals

Waste Code: 112
Waste Description: Acid solutions - containing heavy metals

Waste Code: 312
Waste Description: Pathological wastes

Waste Code: 252
Waste Description: Waste crankcase oils and lubricants

Waste Code: 148
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 121
Waste Description: Alkaline slutions - containing heavy metals

---

87 | **3 of 10** | **NW/247.3** | **225.0** | **SIMCOE BOARD OF EDUCATION**
BARRIE CENTRAL COLLEGIATE INSTITUTE 125
DUNLOP STREET WEST
BARRIE ON L4N 1A9 | **GEN**

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: 86,87,88,89,90,92,93
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.

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

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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87 | **4 of 10** | **NW/247.3** | **225.0** | **SIMCOE BOARD OF EDUCATION 35-746**
BARRIE CENTRAL COLLEGIATE INSTITUTE 125
DUNLOP STREET WEST
BARRIE ON L4N 1A9 | **GEN**

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: 94,95,96

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

SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.

--Details--
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

87	*5 of 10*	*NW/247.3*	*225.0*	***SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9***	***GEN***

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON0358107
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 112 C
Waste Description: Acid solutions - containing heavy metals

Waste Code: 122 C
Waste Description: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Code: 121 C
Waste Description: Alkaline slutions - containing heavy metals

Waste Code: 145 I
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 148 R
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 148 L
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 148 I
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 148 C
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 148 B
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 251 L
Waste Description: Waste oils/sludges (petroleum based)

Waste Code: 212 L
Waste Description: Aliphatic solvents and residues

Waste Code: 263 R
Waste Description: Misc. waste organic chemicals

Waste Code: 263 L
Waste Description: Misc. waste organic chemicals

Waste Code: 263 I
Waste Description: Misc. waste organic chemicals

Waste Code: 263 C
Waste Description: Misc. waste organic chemicals

Waste Code: 263 B
Waste Description: Misc. waste organic chemicals

Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

Waste Code: 213 I
Waste Description: Petroleum distillates

Waste Code: 262 L
Waste Description: Detergents and soaps

Waste Code: 331 I
Waste Description: Waste compressed gases including cylinders

Waste Code: 232 L
Waste Description: Polymeric resins

Waste Code: 312 P
Waste Description: Pathological wastes

Waste Code: 264 C
Waste Description: Photoprocessing wastes

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87 | ***6 of 10*** | ***NW/247.3*** | ***225.0*** | ***SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9*** | ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: 2012
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--
Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

87	*7 of 10*	*NW/247.3*	*225.0*	***SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9***	***GEN***

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: 2010
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

87	8 of 10	NW/247.3	225.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: 97,98,99,00,01,02,03,04,05,06,07,08
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.

--Details--
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

87	9 of 10	NW/247.3	225.0	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: 2013
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

--Details--
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			

87	10 of 10	NW/247.3	225.0	**SIMCOE COUNTY DISTRICT SCHOOL BOARD** **BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST** **BARRIE ON L4N 1A9**	GEN

PO Box Num:
Status:
Country:
Generator #: ON0358107
Approval Yrs:: 2009
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

88	1 of 1	S/248.0	223.0	**Owen Signcraft Limited** **48 Ellen St** **Barrie ON L4N 3A4**	SCT

Established: 01-JUL-55
Plant Size (ft²): 3000
Employment:

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

--Details--
Description: Other Management Consulting Services
SIC/NAICS Code: 541619

Description: Other Printing
SIC/NAICS Code: 323119

Description: Display Advertising
SIC/NAICS Code: 541850

Description: Sign Manufacturing
SIC/NAICS Code: 339950

Description: Computer Systems Design and Related Services
SIC/NAICS Code: 541510

Description: Graphic Design Services
SIC/NAICS Code: 541430

Description: Sign Manufacturing
SIC/NAICS Code: 339950

---

89 ***1 of 2*** ***SW/248.6*** ***225.0*** ***Barrie ON*** ***WWIS***

Well ID: 7174733
Construction Date::
Primary Water Use::
Sec. Water Use::
Final Well Status:: Abandoned-Other
Specific Capacity::
Municipality: BARRIE CITY (VESPRA)
County: SIMCOE
Lot:
Concession:
Concession Name:
Easting NAD83::
Northing NAD83::
Zone::
UTM Reliability::

Bore Hole Information
-- --
Bore Hole ID: 1003630831
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 03-NOV-11
Remarks:
Zone: 17
East 83: 603870
North 83: 4915094
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 1004071417

Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004071423
Layer:	1
Plug From:	0
Plug To:	2
Plug Depth UOM:	m
--	--
Plug ID:	1004071424
Layer:	2
Plug From:	2
Plug To:	59
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004071422
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004071416
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004071420
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004071421
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	
--	--
Hole Diameter	
--	--
Hole ID:	1004071418

Diameter:	20.9
Depth From:	0
Depth To:	2
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

89 **2 of 2** **SW/248.6** **225.0** **Barrie ON** **WWIS**

Well ID:	7174732	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	
Sec. Water Use::		**Easting NAD83::**	
Final Well Status::	Abandoned-Other	**Northing NAD83::**	
Specific Capacity::		**Zone::**	
Municipality:	BARRIE CITY (VESPRA)	**UTM Reliability::**	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1003634360
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	03-NOV-11
Remarks:	
Zone:	17
East 83:	603870
North 83:	4915094
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1004067073
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	m
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	1004067079
Layer:	1
Plug From:	0

Plug To:	2
Plug Depth UOM:	m
--	--
Plug ID:	1004067080
Layer:	2
Plug From:	2
Plug To:	75
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004067078
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004067072
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004067076
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004067077
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	
--	--
Hole Diameter	
--	--
Hole ID:	1004067074
Diameter:	
Depth From:	0
Depth To:	2
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

90 **1 of 1** **SSW/249.4** **225.0** **ON** **WWIS**

Well ID:	7211329	**Lot:**	
Construction Date::		**Concession:**	
Primary Water Use::		**Concession Name:**	

Sec. Water Use::		***Easting NAD83::***	
Final Well Status::		***Northing NAD83::***	
Specific Capacity::		***Zone::***	
Municipality:	BARRIE CITY (VESPRA)	***UTM Reliability::***	
County:	SIMCOE		

Bore Hole Information

--	--
Bore Hole ID:	1004640098
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	07-SEP-13
Remarks:	
Zone:	17
East 83:	604014
North 83:	4915012
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
--	--

Unplottable Summary

Total: 64 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AUWR	TRACEY'S AUTO WRECKERS	COUNTY ROAD 90	BARRIE ON	L4M4S4
AUWR	RON TRACEY AUTO WRECKERS	COUNTY ROAD 90	BARRIE ON	L4M 4S4
CA	BARRIE CITY	LAKESHORE DR. TRUNK SANITARY	BARRIE CITY ON	
CA	P.U.C. BARRIE - PUC WELL #15	LAKESHORE DRIVE	BARRIE CITY cl sent 1/11/93 ON	
CA	The Corporation of the City of Barrie	Lakeshore Dr	Barrie ON	
CA	CITY REVISION FINAL LETTER SENT	LAKESHORE RD.	BARRIE CITY ON	
CA	CHAU VAN LUU	SANFORD STREET	BARRIE CITY ON	
CA	The Corporation of the City of Barrie	Simcoe St	Barrie ON	
CA	MACEDON DEVELOPMENTS (1986) LTD.	LANE N.OF DUNLOP ST. BAYSHORE	BARRIE CITY ON	
CA	TRADMOR INVESTMENTS LIMITED	PROP. COMM. DEV./DUNLOP STREET	BARRIE CITY ON	
CA	BARRIE CITY DUNLOP STREET E.	DUNLOP STREET E.	BARRIE CITY ON	
CA	BARRIE CITY	DUNLOP STREET E.	BARRIE CITY ON	
CA	BARRIE CITY	DUNLOP STREET WEST	BARRIE CITY ON	
CA	BARRIE CITY	LAKESHORE DR.	BARRIE CITY ON	
CA	LEONARD BOYKO ARCHITECT	HIGH STREET	BARRIE CITY ON	
CA	BARRIE CITY	HIGH STREET	BARRIE CITY ON	
CA	The Corporation of the City of Barrie	Toronto Street, Dunlop Street West and Mary St	Barrie ON	

CA	P.U.C. BARRIE	INNISFIL ST.PUMPING STATION	BARRIE ON	
CA	Lakeshore Drive and Victoria Street	Simcoe Street, Lakeshore Drive, Victoria Street	Barrie ON	
CONV	FORD ON-SITE SERVICES LTD.		ON	
ECA	The Corporation of the City of Barrie	Lakeshore Drive	City of Barrie ON	
ECA	The Corporation of the City of Barrie	Dunlop Street West	City of Barrie ON	
EHS		Dunlop Street	Barrie ON	
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	
EXP	ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE ON	K1C 7E2
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	M1V 1S9
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	M1V 1S9
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	
GEN	The City of Barrie	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1

GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	
GEN	The City of Barrie	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
PRT	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	
PRT	ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE ON	
RST	CITY OF BARRIE MARINA	LAKESHORE DR	BARRIE ON	
RST	L&C SHELL	HWY 90	BARRIE ON	L0M 1B0
SCT	Axmith & Company Ltd.		Barrie ON	
SCT	Axmith & Company Ltd.		Barrie ON	
SPL	The Corporation of the City of Barrie	Lakeshore Dr.	Barrie ON	
SPL	Bill Crampton-Barrie Flying Club<UNOFFICIAL>	Lakeshore Dr	Barrie ON	
SPL	PETRO-CANADA	HWY 11 PETRO-CAN BULK PLANT BULK PLANT/TERMINAL	BARRIE CITY ON	
SPL	The Corporation of the City of Barrie	Lakeshore Drive	Barrie ON	
SPL	BARRIE, CITY OF	BRADFORD ST INFRONT OF AD BRADFORD COMMERCIAL OUTLET. SANITARY SEWER	BARRIE CITY ON	
SPL	PRIVATE RESIDENCE	LOT 25 CONC 5 ORO TWP FURNACE OIL TANK	SIMCOE COUNTY ON	
SPL	PUC	BUNKERS CREEK, INNISFIL, PARRY AND ECCLES STREETS MOTOR VEHICLE (OPERATING FLUID)	BARRIE CITY ON	
SPL	WARREN GIBSON LTD.	HWY 90 TRANSPORT TRUCK (CARGO)	BARRIE CITY ON	
SPL	UNKNOWN	BRADFORD-HWY 11 SOUTH OF BRADFORD, NORTHOF RIVER	BARRIE CITY ON	
SPL	SIMCOE HYDRO	VICTORIA STREET TRANSFORMER	SIMCOE TOWN ON	
SPL		KIDDS CREEK AT LAKESHORE DRIVE<UNOFFICIAL>	Barrie ON	
SPL	The Corporation of the City of Barrie	Dunlop St between High St and Boyce St.	Barrie ON	

SPL		Dunlop Street East of Sargeant<UNOFFICIAL>	Barrie ON
SPL	PRIVATE RESIDENCE	DAVIDSON,GROVE,TORONTO,WELLINGTON,ANN, DUNLOP STREETS & COUNTY RD #90 FURNACE OIL TANK	BARRIE ON
SPL	UNKNOWN	BRADFORD STREET	BARRIE CITY ON
SPL		east bound between Toronto and High St	Barrie ON

Unplottable Report

Site: ***TRACEY'S AUTO WRECKERS***
COUNTY ROAD 90 BARRIE ON L4M4S4

Database: ***AUWR***

Code:	00098600
Facility:	CAR WRECKING & RECYCLING
Description:	
List Name:	

Site: ***RON TRACEY AUTO WRECKERS***
COUNTY ROAD 90 BARRIE ON L4M 4S4

Database: ***AUWR***

Code:	00096400
Facility:	AUTOMOBILE PARTS & SUPPLIES-USED & REBUILT
Description:	
List Name:	

Site: ***BARRIE CITY***
LAKESHORE DR. TRUNK SANITARY BARRIE CITY ON

Database: ***CA***

Certificate #:	3-1622-86-
Application Year:	86
Issue Date:	12/1/1986
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***P.U.C. BARRIE - PUC WELL #15***
LAKESHORE DRIVE BARRIE CITY cl sent 1/11/93 ON

Database: ***CA***

Certificate #:	7-0203-92-
Application Year:	92
Issue Date:	8/28/1992
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***The Corporation of the City of Barrie***
Lakeshore Dr Barrie ON

Database: ***CA***

Certificate #: 7290-7FPQ8K
Application Year: 2008
Issue Date: 6/18/2008
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: ***CITY REVISION FINAL LETTER SENT***
LAKESHORE RD. BARRIE CITY ON

Database: ***CA***

Certificate #: 3-1116-85-867
Application Year: 85
Issue Date: 7/14/86
Approval Type: Municipal sewage
Status: First Ammendment in 1986
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***CHAU VAN LUU***
SANFORD STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 7-0577-96-
Application Year: 96
Issue Date: 7/17/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***The Corporation of the City of Barrie***
Simcoe St Barrie ON

Database: ***CA***

Certificate #: 4986-76GRUH
Application Year: 2007
Issue Date: 8/28/2007
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: ***MACEDON DEVELOPMENTS (1986) LTD.***
LANE N.OF DUNLOP ST. BAYSHORE BARRIE CITY ON

Database: ***CA***

Certificate #: 3-1656-89-
Application Year: 89
Issue Date: 8/17/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***TRADMOR INVESTMENTS LIMITED***
PROP. COMM. DEV./DUNLOP STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 7-0036-90-
Application Year: 90
Issue Date: 11/22/1990
Approval Type: Municipal water
Status: Cancelled
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BARRIE CITY DUNLOP STREET E.***
DUNLOP STREET E. BARRIE CITY ON

Database: ***CA***

Certificate #: 3-1118-89-
Application Year: 89
Issue Date: 6/13/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BARRIE CITY***
DUNLOP STREET E. BARRIE CITY ON

Database: ***CA***

Certificate #: 7-0945-89-
Application Year: 89
Issue Date: 6/13/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::

Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BARRIE CITY***
DUNLOP STREET WEST BARRIE CITY ON

Database: ***CA***

Certificate #: 7-0533-90-
Application Year: 90
Issue Date: 5/25/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BARRIE CITY***
LAKESHORE DR. BARRIE CITY ON

Database: ***CA***

Certificate #: 3-2126-88-
Application Year: 88
Issue Date: 11/8/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***LEONARD BOYKO ARCHITECT***
HIGH STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 3-2138-87-
Application Year: 87
Issue Date: 12/17/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BARRIE CITY***
HIGH STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 3-1846-88-

Application Year: 88
Issue Date: 10/24/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***The Corporation of the City of Barrie***
Toronto Street, Dunlop Street West and Mary St Barrie ON

Database: ***CA***

Certificate #: 1687-832MHW
Application Year: 2010
Issue Date: 3/5/2010
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: ***P.U.C. BARRIE***
INNISFIL ST.PUMPING STATION BARRIE ON

Database: ***CA***

Certificate #: 7-0970-98-
Application Year: 98
Issue Date: 10/29/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***Lakeshore Drive and Victoria Street***
Simcoe Street, Lakeshore Drive, Victoria Street Barrie ON

Database: ***CA***

Certificate #: 2871-5DXLSM
Application Year: 02
Issue Date: 9/17/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name:: The Corporation of the City of Barrie
Client Address:: 70 Collier Street
Client City:: Barrie
Client Postal Code:: L4M 4T5
Project Description:: This application is for the construction of watermain on Simcoe Street, Lakeshore Drive, and Victoria Street.
Contaminants::
Emission Control::

Site: ***FORD ON-SITE SERVICES LTD.***
ON

Database: ***CONV***

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.: 01-0187-0525
Ministry District: METRO
Region: CENTRAL REGION
Description: OPERATE A WASTE MANAGEMENT SYSTEM NOT CLEARLY MARKED WITH NAME AND NO. ON COFA AND THE WORDS SEWAGE WASTE NOT LABELED IN PLAIN VIEW ON TRUCK

--Details--
Publication Date:
Count: 1
Act: EPA
Act/Regulation/Section: EPA-347-16(1) (10)
Date Charged: 1/17/02
Charge Disposition: SUSPENDED SENTENCE
Fine: $300.00

Publication Date:
Count: 1
Act: EPA
Act/Regulation/Section: EPA-347-16(1) (12)
Date Charged: 1/17/02
Charge Disposition: FINED
Fine:

Site: ***The Corporation of the City of Barrie***
Lakeshore Drive City of Barrie ON

Database: ***ECA***

Record Type:
PDF URL:
Full Address: Lakeshore Drive Reconstruction City of Barrie, County of Simcoe
CofA Number: 0291-9L5PHM
Date: 6/30/14
Status: Approved
Project Type: Municipal and Private Sewage

Site: ***The Corporation of the City of Barrie***
Dunlop Street West City of Barrie ON

Database: ***ECA***

Record Type:
PDF URL:
Full Address: Dunlop Street West City of Barrie, County of Simcoe
CofA Number: 7805-9N8NEU
Date: 8/28/14
Status: Approved
Project Type: Municipal and Private Sewage

Site:
Dunlop Street Barrie ON

Database: ***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20081007015
Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans

Report Date: 10/27/2008
Report Type: Custom Report
Search Radius (km): 0.2

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON

Database: ***EXP***

Instance ID: 29022
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 10559272
Instance Type: FS Piping
Status: EXPIRED
Description: FS Piping

Site: ***ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE ON K1C 7E2

Database: ***EXP***

Instance ID:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 3/19/1994
Instance Number: 9819532
Instance Type: FS Facility
Status: EXPIRED
Description:

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON M1V 1S9

Database: ***EXP***

Instance ID:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 4/16/1992
Instance Number: 10559256
Instance Type: FS Liquid Fuel Tank
Status: EXPIRED
Description: FS Gasoline Station - Self Serve

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON

Database: ***EXP***

Instance ID: 26820
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Instance Number: 10559256
Instance Type: FS Liquid Fuel Tank
Status: EXPIRED
Description: FS Liquid Fuel Tank

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON M1V 1S9

Database: ***EXP***

Instance ID:
TSSA Program Area:

Maximum Hazard Rank:
Facility Type:
Expired Date: 4/16/1992
Instance Number: 9813480
Instance Type: FS Facility
Status: EXPIRED
Description:

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON4117713
Approval Yrs:: 2013
SIC Code: 913150
SIC Description:

--Details--
Waste Code: 149
Waste Description: LANDFILL LEACHATES

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON4117713
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 149 L
Waste Description: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON4117713
Approval Yrs:: As of May 2015
SIC Code:
SIC Description:

--Details--
Waste Code: 149
Waste Description: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON4117713

Approval Yrs:: 2012
SIC Code: 913150
SIC Description: Municipal Regulatory Services

Site: ***The City of Barrie***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON7906569
Approval Yrs:: 2011
SIC Code: 913150
SIC Description: Municipal Regulatory Services

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON6718161
Approval Yrs:: 2012
SIC Code: 913150
SIC Description: Municipal Regulatory Services

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4M 4V1

Database: ***GEN***

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON6718161
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 149 L
Waste Description: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON7906569
Approval Yrs:: 2012
SIC Code: 913150
SIC Description: Municipal Regulatory Services

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

PO Box Num:
Status: Registered
Country: Canada
Generator #: ON7906569
Approval Yrs:: As of Sep 2016
SIC Code:
SIC Description:

--Details--
Waste Code: 241 L
Waste Description: Halogenated solvents and residues

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON7906569
Approval Yrs:: 2013
SIC Code: 913150
SIC Description:

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4M 4V1

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON6718161
Approval Yrs:: As of May 2015
SIC Code:
SIC Description:

--Details--
Waste Code: 149
Waste Description: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON6718161
Approval Yrs:: 2013
SIC Code: 913150
SIC Description:

--Details--
Waste Code: 149
Waste Description: LANDFILL LEACHATES

Site: ***The City of Barrie***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON7906569
Approval Yrs:: 2010
SIC Code: 913150
SIC Description: Municipal Regulatory Services

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON7906569
Approval Yrs:: As of May 2015
SIC Code:
SIC Description:

--Details--
Waste Code: 241
Waste Description: Halogenated solvents and residues

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON

Database: ***PRT***

Location ID: 1358
Type: retail
Expiry Date: 1991-10-31
Capacity (L): 4550
Licence #: 0055458001

Site: ***ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE ON

Database: ***PRT***

Location ID: 1318
Type: retail
Expiry Date: 1995-03-31
Capacity (L): 4546
Licence #: 0076415421

Site: ***CITY OF BARRIE MARINA***
LAKESHORE DR BARRIE ON

Database: ***RST***

Code: 00824400
Facility: MARINAS
Description:
List Name:

Site: ***L&C SHELL***
HWY 90 BARRIE ON L0M 1B0

Database: ***RST***

Code: 1186800
Facility: Service Stations-Gasoline, Oil & Natural Gas
Description:
List Name:

Site: ***Axmith & Company Ltd.***
Barrie ON

Database: ***SCT***

Established:
Plant Size (ft²):
Employment:

--Details--
Description: Manufactured (Mobile) Home Manufacturing
SIC/NAICS Code: 321991

Description: Prefabricated Wood Building Manufacturing
SIC/NAICS Code: 321992

Description: Prefabricated Metal Building and Component Manufacturing
SIC/NAICS Code: 332311

Site: ***Axmith & Company Ltd.***
Barrie ON

Database: ***SCT***

Established:
Plant Size (ft²):
Employment:

Site: ***The Corporation of the City of Barrie***
Lakeshore Dr. Barrie ON

Database: ***SPL***

Ref No: 4557-8BBTDW
Contaminant Code: 27
Contaminant Name: OIL ADDITIVES
Contaminant Quantity: 0 other - see incident description
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Dt:
Incident Reason: Unknown - Reason not determined
Incident Summary: Spill on oily sub to Hotchkiss Ck. Barrie
MOE Reported Dt: 11/18/2010
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type: Unknown
Receiving Environment:
Incident Event:
Site Municipality:

Site: ***Bill Crampton-Barrie Flying Club<UNOFFICIAL>***
Lakeshore Dr Barrie ON

Database: ***SPL***

Ref No: 8152-5NS5HC
Contaminant Code: 13
Contaminant Name: FUEL (N.O.S.)
Contaminant Quantity:
Incident Cause:
Incident Dt: 6/22/2003

Incident Reason:
Incident Summary: Ultra-light plane crashed into water, cleaning
MOE Reported Dt: 6/22/2003
Environmental Impact: Possible
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Barrie

Site: ***PETRO-CANADA***
HWY 11 PETRO-CAN BULK PLANT BULK PLANT/TERMINAL BARRIE CITY ON

Database: ***SPL***

Ref No: 108101
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 12/7/1994
Incident Reason: ERROR
Incident Summary: PETRO-CANADA BULK PLANT - 68 L OF COLOURED DIESEL TO SNOW COVERED GRAVEL
MOE Reported Dt: 12/8/1994
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

Site: ***The Corporation of the City of Barrie***
Lakeshore Drive Barrie ON

Database: ***SPL***

Ref No: 0558-8W6PLR
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity:
Incident Cause:
Incident Dt: 13-JUL-12
Incident Reason:
Incident Summary: Barrie Marina: 5 L oil in water, cleaning w pads
MOE Reported Dt: 13-JUL-12
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Watercourse Spills
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Barrie

Site: ***BARRIE, CITY OF***
BRADFORD ST INFRONT OF AD BRADFORD COMMERCIAL OUTLET. SANITARY SEWER BARRIE CITY ON

Database: ***SPL***

Ref No: 224519
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt:
Incident Reason: EQUIPMENT FAILURE

Incident Summary:	CITY OF BARRIE-SANITARY PLUGGED/OVERFLOWED,SMALL QUANT SEWAGE TO 2 S.S.
MOE Reported Dt:	5/1/2002
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND / WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	70101

Site: ***PRIVATE RESIDENCE***
LOT 25 CONC 5 ORO TWP FURNACE OIL TANK SIMCOE COUNTY ON

Database: ***SPL***

Ref No:	33067
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	PIPE/HOSE LEAK
Incident Dt:	4/10/1990
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	FURNACE OIL TANK-OIL TO WATER FILLED DITCH.
MOE Reported Dt:	4/10/1990
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	LAND / WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	70000

Site: ***PUC***
BUNKERS CREEK, INNISFIL, PARRY AND ECCLES STREETS MOTOR VEHICLE (OPERATING FLUID) BARRIE CITY ON

Database: ***SPL***

Ref No:	152644
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE
Incident Dt:	2/20/1998
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	BARRIE WORKS - 15 L OF HYDRAULIC OIL TO ROAD & CRK. FROM SNOW PLOW.
MOE Reported Dt:	2/20/1998
Environmental Impact:	CONFIRMED
Nature of Impact:	Water course or lake
Receiving Medium:	LAND / WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	70101

Site: ***WARREN GIBSON LTD.***
HWY 90 TRANSPORT TRUCK (CARGO) BARRIE CITY ON

Database: ***SPL***

Ref No:	170452
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT
Incident Dt:	7/20/1999
Incident Reason:	ADVERSE ROAD CONDITION

Incident Summary:	WARREN GIBSON LTD-DIESEL TANKS LEAKING-100 LITRES TO ROADSIDE & SWALE-CLEAN
MOE Reported Dt:	7/20/1999
Environmental Impact:	POSSIBLE
Nature of Impact:	Soil contamination
Receiving Medium:	LAND / WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	70101

Site: ***UNKNOWN***
BRADFORD-HWY 11 SOUTH OF BRADFORD, NORTHOF RIVER BARRIE CITY ON

Database: ***SPL***

Ref No:	3854
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	UNKNOWN
Incident Dt:	4/28/1988
Incident Reason:	FIRE/EXPLOSION
Incident Summary:	INDUS.COMMERCIAL BUILDINGFIRE HAZARD PRODUCE BLACKSMOKE
MOE Reported Dt:	4/27/1988
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	AIR
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	70101

Site: ***SIMCOE HYDRO***
VICTORIA STREET TRANSFORMER SIMCOE TOWN ON

Database: ***SPL***

Ref No:	67019
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	COOLING SYSTEM LEAK
Incident Dt:	2/13/1992
Incident Reason:	GASKET/JOINT
Incident Summary:	SIMCOE HYDRO: SMALL SPILLOF TRANSFORMER OIL TO GROUND
MOE Reported Dt:	2/13/1992
Environmental Impact:	CONFIRMED
Nature of Impact:	Soil Contamination
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	12403

Site:
KIDDS CREEK AT LAKESHORE DRIVE<UNOFFICIAL> Barrie ON

Database: ***SPL***

Ref No:	4857-6THVSC
Contaminant Code:	15
Contaminant Name:	HYDRAULIC OIL
Contaminant Quantity:	25 l
Incident Cause:	
Incident Dt:	9/9/2006
Incident Reason:	
Incident Summary:	Source Ukn-Sheen on Kidds Creek,Contained.

MOE Reported Dt: 9/10/2006
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class:
Sector Source Type: Other Plant
Receiving Environment:
Incident Event:
Site Municipality: Barrie

Site: ***The Corporation of the City of Barrie***
Dunlop St between High St and Boyce St. Barrie ON

Database: ***SPL***

Ref No: 2737-8Z3M9Z
Contaminant Code: 24
Contaminant Name: GLYCOL/WATER SOLUTION
Contaminant Quantity: 5 L
Incident Cause:
Incident Dt: 12-OCT-12
Incident Reason:
Incident Summary: City of Barrie: Car Glycol to grnd
MOE Reported Dt: 14-OCT-12
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: Barrie

Site:
Dunlop Street East of Sargeant<UNOFFICIAL> Barrie ON

Database: ***SPL***

Ref No: 5060-7FZQFH
Contaminant Code: 46
Contaminant Name: COOKING GREASE
Contaminant Quantity: 20 L
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Spill
Incident Summary: Cooking grease to Dyment creek, cln
MOE Reported Dt: 6/27/2008
Environmental Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium:
SAC Action Class: Watercourse Spills
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Barrie

Site: ***PRIVATE RESIDENCE***
DAVIDSON,GROVE,TORONTO,WELLINGTON,ANN, DUNLOP STREETS & COUNTY RD #90 FURNACE OIL TANK
BARRIE ON

Database: ***SPL***

Ref No: 183228
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 7/6/2000
Incident Reason: ERROR
Incident Summary: PRIVATE FUEL OIL TANK-910L OIL TRAILED TO ROAD ONLY, NO C-B'S. F/D.

MOE Reported Dt: 7/6/2000
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

Site: ***UNKNOWN***
BRADFORD STREET BARRIE CITY ON

Database: ***SPL***

Ref No: 54328
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: //
Incident Reason: UNKNOWN
Incident Summary: BACKENTRY: HEAVY RAINS FLUSHED OIL TO RETENTION POND FROM UNKNOWN SOURCE.
MOE Reported Dt: 7/5/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 70101

Site:
east bound between Toronto and High St Barrie ON

Database: ***SPL***

Ref No: 1110-AART7A
Contaminant Code: 13
Contaminant Name: HYDROCARBON LIGHT
Contaminant Quantity: 5 L
Incident Cause:
Incident Dt: 2016/06/09
Incident Reason: Equipment Failure
Incident Summary: Spill hydrocarbon to Road, cleaning
MOE Reported Dt: 2016/06/09
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Unknown / N/A
Receiving Environment: Surface Water
Incident Event: Leak/Break
Site Municipality: Barrie

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2016

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2014

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: Oct 31, 2016

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Oct 31, 2016

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: Oct 31, 2016

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Jan 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-Jan 2017

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Nov 2016

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-Jan 2017

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Nov 2016

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include 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.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities: Provincial EXP

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Oct 31, 2016

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: June 2000-Aug 2016

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Oct 31, 2016

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013 - Dec 2014

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: Oct 31, 2016

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2016

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Wells: Federal NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-2014

Oil and Gas Wells: Private OGW

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

Government Publication Date: 1988-Jun 2016

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Oct 2016

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jan 2017

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Oct 2016

TSSA Pipeline Incidents: Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Oct 31, 2016

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-Jan 2017

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2013

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Dec 2016

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: Oct 31, 2016

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Dec 2016

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-2014

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

The TSSA, under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Government Publication Date: Oct 31, 2016

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: 1970-Nov 2016

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Jun 30, 2016

Definitions

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

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

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

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

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

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

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

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

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

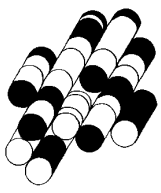
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number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

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

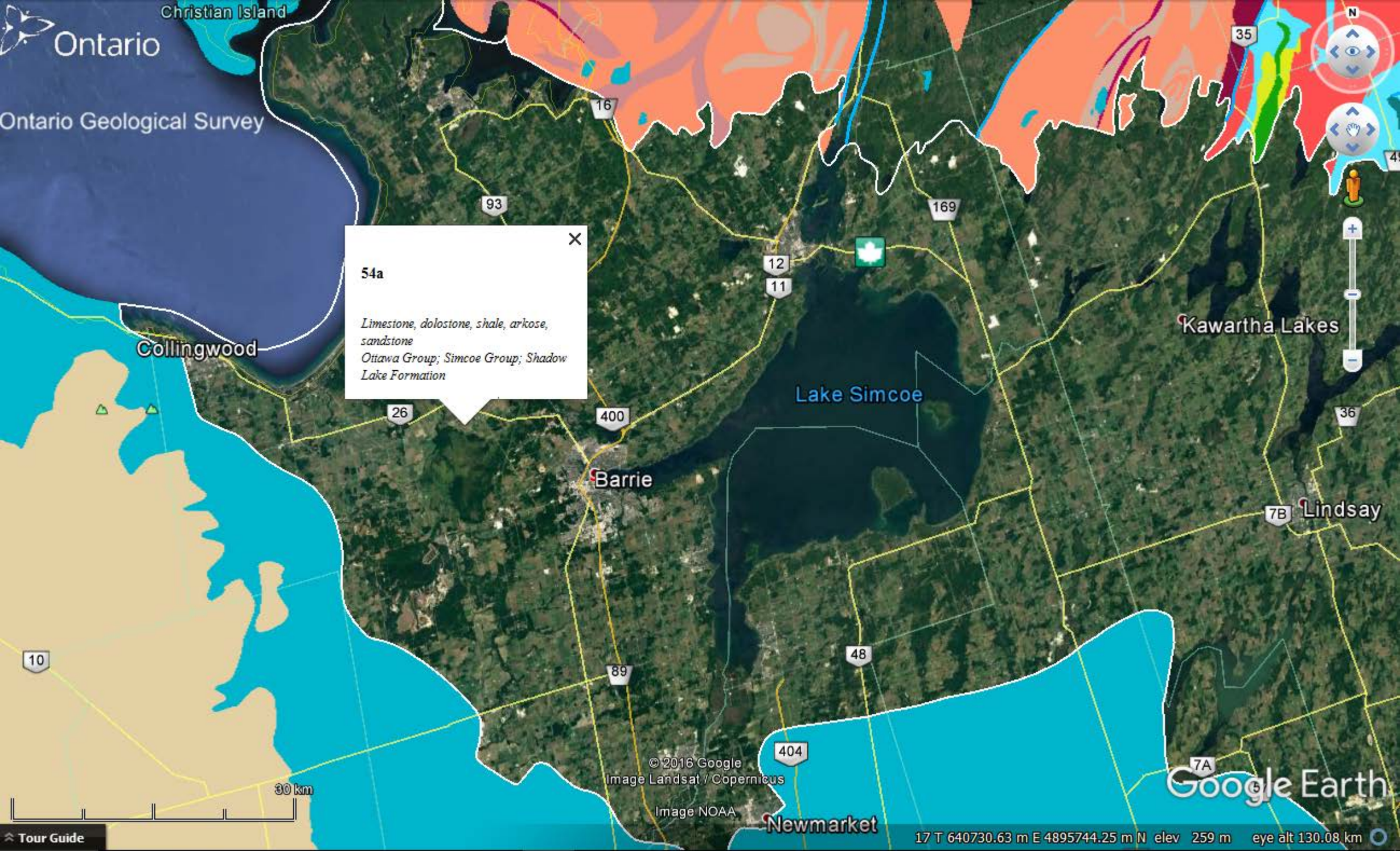
Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

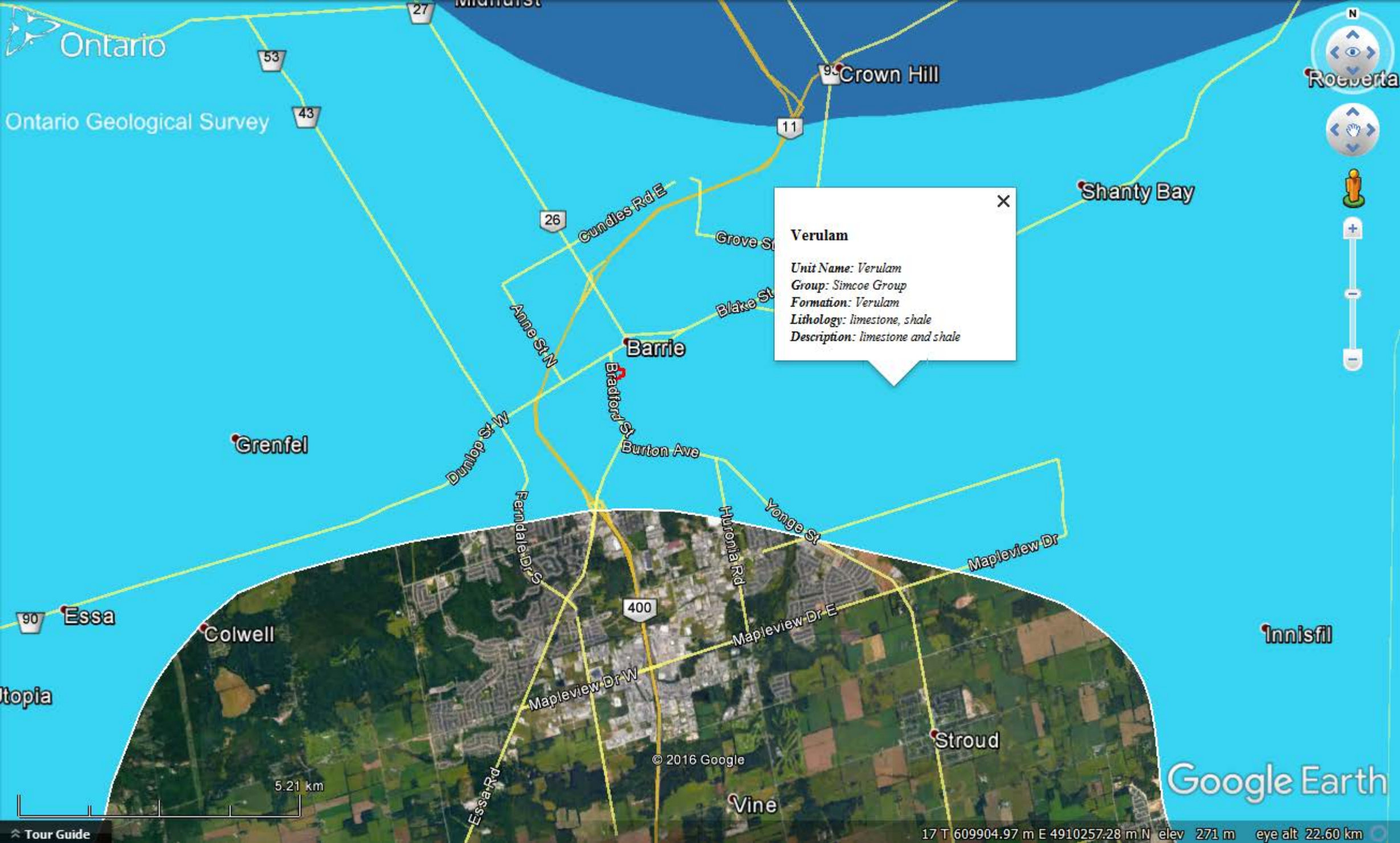
APPENDIX K

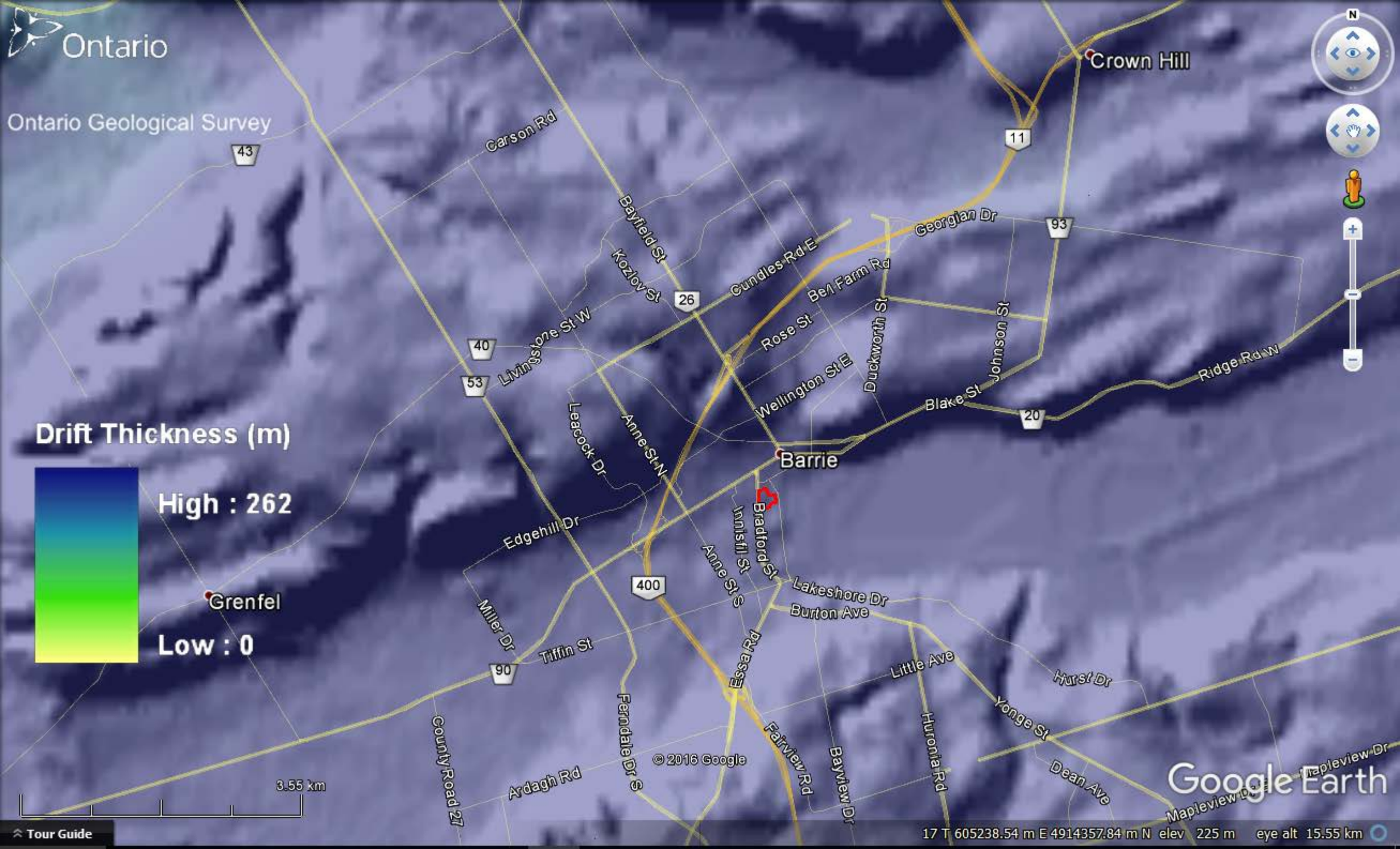
TERRAPROBE INC.



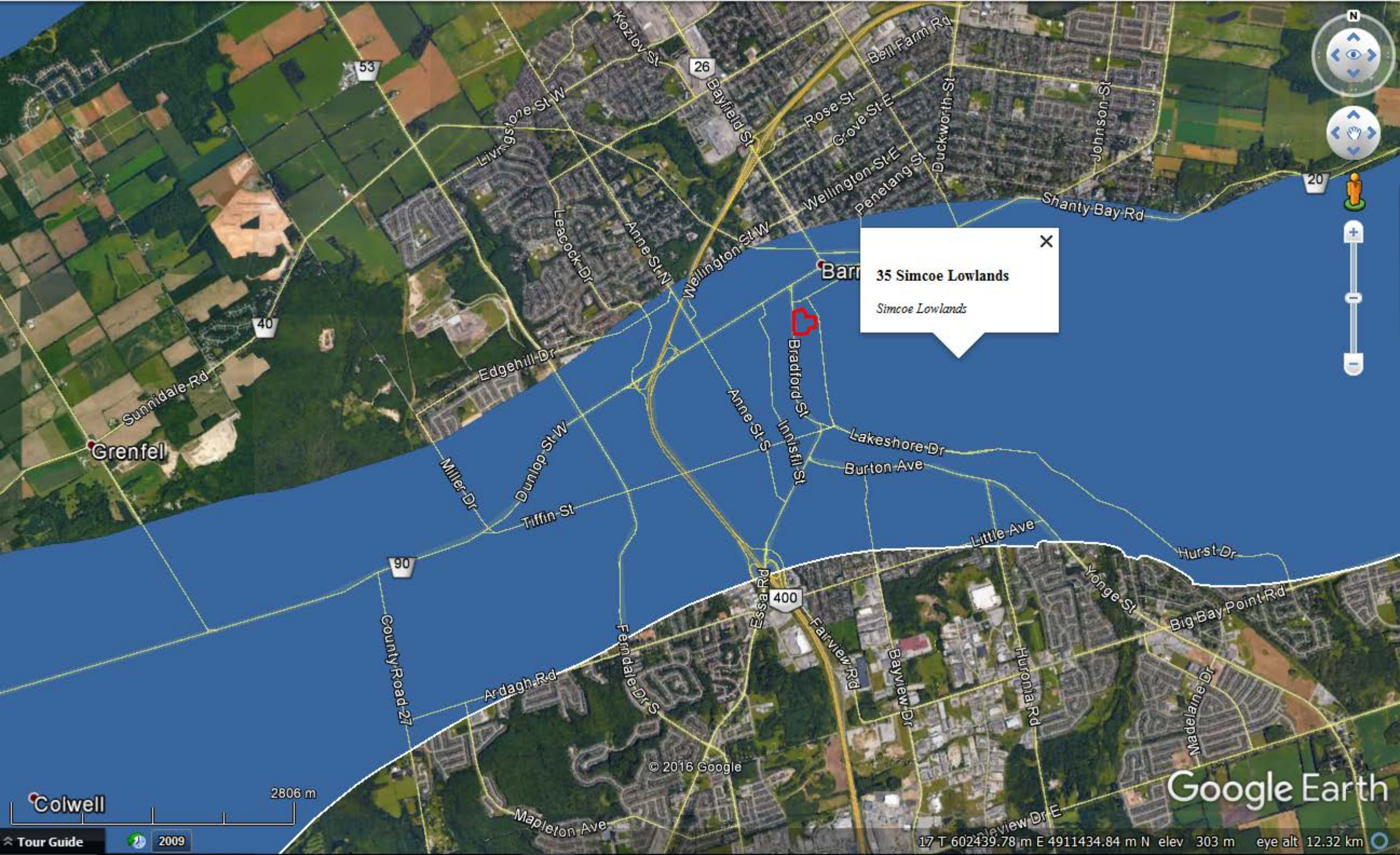
Bedrock Elevation (m)
High : 587
Low : -50
Barrie
Crown Hill
Shanty Bay
Carson Rd
Hanmer St E
Bayfield St
Kozlov St
Cundles Rd E
Georgian Dr
Bell Farm Rd
Rose St
Duckworth St
Johnson St
Livingstone St W
Sunnidale Rd
Wellington St E
Wellington St W
Blake St
Leacock Dr
Anne St N
Anne St S
Innisfil St
Bradford St
Edgehill Dr
Dunlop St W
Tiffin St
Miller Dr
Lakeshore Dr
Burton Ave
Essa Rd
Little Ave
Hurst Dr
Yonge St
Prince William Way
20th Sideroad
Mapleview Dr
Mapleview Dr E
Dean Ave
Fairview Rd
Bayview Dr
Huronia Rd
Ferndale Dr S
County Road 27
3308 Rd
Ardagh
43
11
93
26
40
53
20
400
90
© 2016 Google
Google Earth
Tour Guide
2009
17 T 600679.43 m E 4918573.80 m N elev 279 m
eye alt 14.46 km

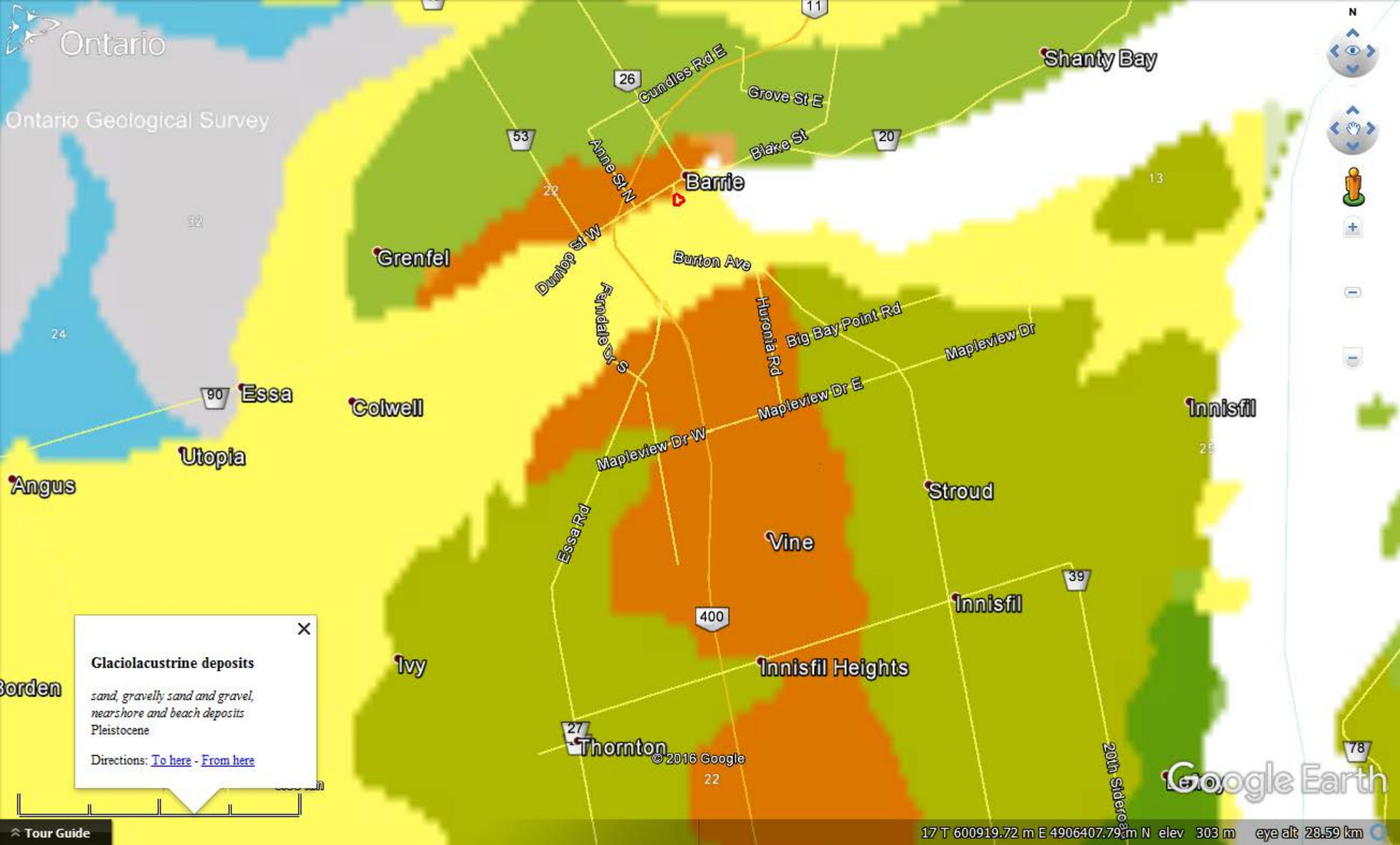

Ontario
Ontario Geological Survey
Christian Island
Collingwood
Barrie
Lake Simcoe
Kawartha Lakes
Lindsay
Newmarket
54a
Limestone, dolostone, shale, arkose, sandstone
Ottawa Group; Simcoe Group; Shadow Lake Formation
16
93
169
12
11
35
26
400
36
7B
10
89
48
404
7A
30 km
© 2016 Google
Image Landsat / Copernicus
Image NOAA
Google Earth
Tour Guide
17 T 640730.63 m E 4895744.25 m N elev 259 m
eye alt 130.08 km


Ontario
Ontario Geological Survey
Crown Hill
Shanty Bay
Barrie
Grenfel
Essa
Colwell
Innisfil
Stroud
Vine
Cundles Rd E
Grove St
Blake St
Anne St N
Bradford St
Burton Ave
Dunlop St W
Ferndale Dr S
Huronia Rd
Yonge St
Mapleview Dr
Mapleview Dr E
Mapleview Dr W
Essa Rd
400
26
11
27
53
43
90
5.21 km
© 2016 Google
Google Earth
Verulam
Unit Name: Verulam
Group: Simcoe Group
Formation: Verulam
Lithology: limestone, shale
Description: limestone and shale
Tour Guide
17 T 609904.97 m E 4910257.28 m N elev 271 m eye alt 22.60 km


Ontario
Ontario Geological Survey
Drift Thickness (m)
High : 262
Low : 0
Grenfel
Barrie
Crown Hill
Carson Rd
Bayfield St
Kozlov St
Cundles Rd E
Georgian Dr
Bell Farm Rd
Rose St
Duckworth St
Johnson St
Ridge Rd W
Livingstone St W
Wellington St E
Blake St
Leacock Dr
Anne St N
Anne St S
Innisfil St
Bradford St
Edgehill Dr
Lakeshore Dr
Burton Ave
Miller Dr
Tiffin St
Essa Rd
Little Ave
Hurst Dr
Yonge St
Dean Ave
Mapleview Dr
Fairview Rd
Bayview Dr
Huronia Rd
Ferndale Dr S
County Road 27
Ardagh Rd
43
11
93
26
40
53
20
400
90
© 2016 Google
3.55 km
Google Earth
Tour Guide
17 T 605238.54 m E 4914357.84 m N elev 225 m eye alt 15.55 km

11 Sand Plains
Sand Plains
Barrie
Grenfel
Colwell
Shanty Bay Rd
Wellington St W
Bradford St
Anne St S
Innisfil St
Lakeshore Dr
Burton Ave
Dunlop St W
Miller Dr
Tiffin St
Little Ave
Hurst Dr
Yonge St
Big Bay Point Rd
Essa Rd
Fairview Rd
Bayview Dr
Huronia Rd
Madelaine Dr
Ferndale Dr S
Ardagh Rd
County Road 27
Mapleton Ave
Edgehill Dr
Sunnidale Rd
Leacock Dr
Anne St N
Livingstone St W
Kozlov St
Bayfield St
Rose St
Grove St E
Wellington St E
Penetang St
Duckworth St
Johnson St
Bell Farm Rd
53
26
40
90
400
20
© 2016 Google
2806 m
Google Earth
Tour Guide
2009
17 T 602514.57 m E 4911415.01 m N elev 304 m eye alt 12.32 km


35 Simcoe Lowlands
Simcoe Lowlands
Grenfel
Colwell
Barr
Kozlov St
Bell Farm Rd
Livingstone St W
Bayfield St
Rose St
Grove St E
Duckworth St
Johnson St
Wellington St E
Penetang St
Shanty Bay Rd
Leacock Dr
Anne St N
Wellington St W
Bradford St
Edgehill Dr
Sunnidale Rd
Anne St S
Innisfil St
Lakeshore Dr
Burton Ave
Miller Dr
Dunlop St W
Tiffin St
Little Ave
Hurst Dr
Yonge St
Big Bay Point Rd
Essa Rd
Fairview Rd
Bayview Dr
Huronia Rd
Madelaine Dr
County Road 27
Ardagh Rd
Ferndale Dr S
Mapleton Ave
Lakeview Dr E
53
26
20
40
90
400
2806 m
© 2016 Google
Google Earth
Tour Guide
2009
17 T 602439.78 m E 4911434.84 m N elev 303 m eye alt 12.32 km


Ontario
Ontario Geological Survey
Shanty Bay
Cundles Rd E
Grove St E
Blake St
Barrie
Anne St N
Dunlop St W
Grenfel
Burton Ave
Ferndale Dr S
Huronia Rd
Big Bay Point Rd
Mapleview Dr
Mapleview Dr E
Mapleview Dr W
Essa
Colwell
Utopia
Angus
Innisfil
Stroud
Vine
Essa Rd
Innisfil
Innisfil Heights
Ivy
Thornton
Borden
Glaciolacustrine deposits
sand, gravelly sand and gravel, nearshore and beach deposits
Pleistocene
Directions: To here - From here
© 2016 Google
Google Earth
Tour Guide
17 T 600919.72 m E 4906407.79 m N elev 303 m eye alt 28.59 km

9c Coarse-textured glaciolacustrine deposits
sand, gravel, minor silt and clay
Foreshore and basinal deposits
9c Coarse-textured
Vespra St
Victoria St
John St
Simcoe St
Toronto St
Lakeshore Dr
Duffern St
Frederick St
George St
Anne St S
Anne St N
Henry St
Donald St
Perry St
Boys St
Eccles St N
Eccles St S
Frances St N
Wellington St W
Edgehill Dr
Cedar Pointe Dr
Hart Dr
Innisfil St
Brock St
Bradford St
Sanford St
Lorena St
Tiffin St
Dyment Rd
400
541 m
© 2016 Google
Google Earth
Tour Guide
2006
17 T 604284.39 m E 4914568.14 m N elev 223 m eye alt 2.57 km

9b Coarse-textured glaciolacustrine deposits
sand, gravel, minor silt and clay
Littoral deposits
9c Coarse-textured
Simcoe St
Toronto St
Lakeshore Dr
John St
Frederick St
George St
Anne St S
Anne St N
Henry St
Donald St
Perry St
Boys St
Eccles St S
Frances St N
Loops St N
Wellington St W
Edgehill Dr
Cedar Pointe Dr
Hart Dr
Dyment Rd
Innisfil St
Brock St
Sanford St
Bradford St
Tiffin St
Lorena St
400
541 m
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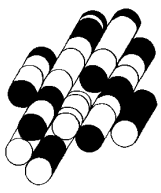
Google Earth

APPENDIX L

TERRAPROBE INC.



TOWNSHIP CONCESSION (LOT)	UTM[1]	DATE[2] CNTR[3]	CASING DIA[4]	WATER[5,6] DETAIL	STAT LVL/PUMP LVL[7] RATE[8]/TIME HR:MIN	WATER USE[9]	SCREEN INFO[10]	WELL # (AUDIT#) WELL TAG # STATE[12] DEPTHS TO WHICH FORMATIONS EXTEND[5,11]
VESPRA TOWNSHIP CON 05(024)	17 603811 4915602 W	2001/07 2801						5736428 (232040) A
VESPRA TOWNSHIP CON 05(024)	17 604110 4915323 W	2009/09 7190	02	0008			28 2	7132876 (Z82596) A080230 BRWN SAND GRVL LOOS 0020 BRWN PEAT LOOS 0028 GREY SAND SILT DNSE 0030
BARRIE CITY (024)	17 604384 4915176 W	2002/03 2801				NU		5736742 (232051) A FILL 0012 SAND SILT 0066 CLAY SLTY 0160 GRVL SAND MARL 0171 SAND GRVL BLDR 0192 SAND GRVL MARL 0210 GRVL SAND BLDR 0246 GRVL SAND MARL 0251 GREY CLAY 0255 GRVL SAND 0261
BARRIE CITY ()	17 604164 4915423 W	1975/08 4816	08	FR 0185	004 / 068 360 / 7:0	IN	164 15	5712847 () FILL 0004 SAND GRVL 0054 CLAY SAND LYRD 0132 FSND 0141 CLAY 0146 CLAY 0168 MSND CSND 0185
BARRIE CITY ()	17 604216 4915751 W	1937/07 2801	26 14		-020 / 027 #### / 24:0	NU	129 20	5700230 () FILL 0005 PEAT 0026 MSND GRVL 0042 MSND GRVL BLDR 0056 MSND GRVL CLAY 0075 CLAY GRVL 0085 FSND 0096 MSND GRVL 0125 HPAN 0129 GRVL MSND 0148 CLAY MSND 0149
BARRIE CITY ()	17 604464 4915774 W	1983/08 2801	02 18 10	FR 0086	004 / 008 050 / 3:0	NU	122 20	5719338 () TILL 0019 CLAY GRVL WDFR 0044 CLAY GRVL 0086 SAND GRVL 0125 SAND GRVL BLDR 0147 CLAY STKY 0185 CLAY GRVL 0234 SAND GRVL BLDR 0249 CLAY BLDR SLTY 0300
BARRIE CITY ()	17 604364 4915223 W	1981/07 2801	12 10 08		006 / 018 650 / 72:0	NU	162 40	5717577 () FILL 0014 SAND GRVL SILT 0042 SAND CLAY GRVL 0070 CLAY GRVL SNDY 0075 GREY CLAY SLTY 0087 CLAY GRVL HARD 0099 CLAY FGVL SNDY 0126 CLAY SAND LYRD 0142 MSND 0148 SAND GRVL CLAY 0150 SAND GRVL 0153 CLAY 0157 SAND GRVL CLAY 0176 CSND CLAY SLTY 0184 SAND GRVL 0198 SAND GRVL SILT 0220 SAND SLTY 0228

TOWNSHIP CONCESSION (LOT)	UTM[1]	DATE[2] CNTR[3]	CASING DIA[4]	WATER[5,6] DETAIL	STAT LVL/PUMP LVL[7] RATE[8]/TIME HR:MIN	WATER USE[9]	SCREEN INFO[10]	WELL # (AUDIT#) WELL TAG # STATE[12] DEPTHS TO WHICH FORMATIONS EXTEND[5,11]
BARRIE CITY ()	17 604414 4915173 W	1981/04 2801	10 02		006 / / :0	NU	210 10	5717579 () FILL 0016 GREY CLAY GRVL SLTY 0028 GRVL SILT FSND 0038 CLAY SAND SLTY 0071 GREY CLAY FGVL SLTY 0085 GRVL CLAY SAND 0104 GREY CLAY FGVL SLTY 0147 GRVL SAND BLDR 0155 SAND 0157 SAND GRVL BLDR 0175 FSND SLTY 0182 SAND GRVL BLDR 0222 SAND CLAY LYRD 0243 GREY CLAY SLTY 0274 SAND FGVL BLDR 0282 SAND GRVL BLDR 0295
BARRIE CITY ()	17 604251 4915534 W	2008/08 7201	02		007 / / :0	MO		7117031 (M03701) A076544 BRWN LOAM SAND 0000 BRWN FILL SAND GRVL 0007 BRWN PEAT SOFT 0016
BARRIE CITY ()	17 604281 4915720 W	2008/07 7314	02			MO		7108757 (M03598) A066457 A BRWN LOAM SAND 0002 BRWN FILL SAND 0018 BRWN SILT SAND 0022
BARRIE CITY ()	17 604338 4915739 W	2007/07 6607	02	0010			8 10	7048372 (Z64635) A053606 FILL 0010 BRWN SAND SILT WBRG 0018
BARRIE CITY ()	17 604414 4915023 W	1981/05 2801	02 10		009 / / :0	NU	248 6	5717580 () FILL 0011 SAND FGVL 0015 SAND SILT WDFR 0032 GREY CLAY SLTY 0055 GREY CLAY SNDY 0066 FSND 0067 GREY CLAY SNDY HARD 0110 GREY CLAY FSND SILT 0126 GREY CLAY SLTY SOFT 0138 SAND GRVL CLAY 0142 FGVL SAND SILT 0145 CLAY SLTY 0154 MSND CGVL 0181 FSND 0240 MSND 0258 MSND 0260 FSND CLAY SLTY 0279 GRVL SAND CLAY 0285 GRVL CLAY MARL 0287 GRVL CLAY 0290 FSND GRVL MARL 0302
BARRIE CITY (VESPRA) CON 04(024)	17 604537 4915718 W	2013/11 2801						7214974 (Z174068) A
BARRIE CITY (VESPRA) CON 05(024)	17 604099 4915351 W	2012/01 7190	02	0003		MO	22.5 -5	7179204 (Z133865) A118138 BRWN SAND GRVL 0023
BARRIE CITY (VESPRA) ()	17 604045 4915618 W	2005/11 1663	02	0007	005 / 003 / 0:20	NU	33 5	5740457 (Z36761) A023454 BRWN FSND GRVL 0005 BLCK LOAM 0006 BRWN FSND WDFR 0010 BRWN FSND CLAY 0028 BRWN FSND 0038

TOWNSHIP CONCESSION (LOT)	UTM[1]	DATE[2] CNTR[3]	CASING DIA[4]	WATER[5,6] DETAIL	STAT LVL/PUMP LVL[7] RATE[8]/TIME HR:MIN	WATER USE[9]	SCREEN INFO[10]	WELL # (AUDIT#) WELL TAG # STATE[12] DEPTHS TO WHICH FORMATIONS EXTEND[5,11]
BARRIE CITY (VESPRA) ()	17 604083 4915595 W	2005/11 1663	02	0007	006 / 026 040 / 4:0	NU	30 5	5740454 (Z36760) A023455 BRWN GRVL SAND LOAM 0007 BRWN FSND 0010 BRWN FSND GRVL 0025 BRWN SAND GRVL 0035 BRWN FSND CLAY 0040
BARRIE CITY (VESPRA) ()	17 603961 4915443 W	2012/03 7190	02	0008		MO	6 10	7179175 (Z146933) A105859 BLCK 0000 BRWN 0001 BRWN SAND WBRG 0020
BARRIE CITY (VESPRA) ()	17 604014 4915012 W	2013/09 7215						7211329 (C23161) A152053 P
BARRIE CITY (VESPRA) ()	17 603876 4915142 W	2012/05 7282						7197569 (C20704) A143838 P
BARRIE CITY (VESPRA) ()	17 604195 4915459 W	2013/03 7241						7199953 (C16159) A141959 P
BARRIE CITY (VESPRA) ()	17 604214 4915661 W	2014/08 7282	02	0004		MO	4 10	7231048 (Z191729) A167637 BRWN LOAM 0001 BRWN SAND 0014
BARRIE CITY (VESPRA) ()	17 604195 4915648 W	2014/08 7282	02	0004		MO	4 10	7231049 (Z191736) A167638 BRWN LOAM 0001 BRWN SAND 0010 BRWN PEAT STNS 0015
BARRIE CITY (VESPRA) ()	17 604187 4915642 W	2014/08 7282	02	0004		MO	3 12	7231050 (Z191728) A167639 BRWN LOAM 0001 BRWN SAND 0014 BRWN PEAT 0015
BARRIE CITY (VESPRA) ()	17 604180 4915642 W	2014/08 7282	02	0004		MO	3 3	7231051 (Z191730) A167640 BRWN LOAM 0002 BRWN SAND GRVL 0008 GREY SAND 0015
BARRIE CITY (VESPRA) ()	17 603907 4915341 W	2013/05 7147						7202513 (C19701) A137282 P
BARRIE CITY (VESPRA) ()	17 604294 4915199 W	2014/08 6926						7234147 (C27180) A160661 P
BARRIE CITY (VESPRA) ()	17 604294 4915199 W	2014/12 6926						7247352 (C28111) A160661 P
BARRIE CITY (VESPRA) ()	17 604045 4915247 W	2012/06 7282						7197570 (C20705) A143848 P
BARRIE CITY (VESPRA) ()	17 604022 4915162 W	2015/11 7201	02			MO	5 10	7252696 (Z214644) A196052 BRWN SAND GRVL LOOS 0004 GREY SAND SILT LOOS 0015

TOWNSHIP CONCESSION (LOT)	UTM[1]	DATE[2] CNTR[3]	CASING DIA[4]	WATER[5,6] DETAIL	STAT LVL/PUMP LVL[7] RATE[8]/TIME HR:MIN	WATER USE[9]	SCREEN INFO[10]	WELL # (AUDIT#) WELL TAG # STATE[12] DEPTHS TO WHICH FORMATIONS EXTEND[5,11]
BARRIE CITY (VESPRA) ()	17 604004 4915589 W	2016/09 7190						7276985 (Z238667) A177522 P
BARRIE CITY (VESPRA) ()	17 603981 4915465 W	2016/09 7190						7276986 (Z238666) A177528 P
BARRIE CITY (VESPRA) ()	17 604138 4915636 W	2016/03 7190	02	0002		MO	5 10	7264472 (Z228478) A201216 GREY SAND GRVL LOOS 0010 BRWN WDFR LOOS 0015
BARRIE CITY (VESPRA) ()	17 604138 4915636 W	2016/06 7190						7269454 (Z228481) A201216 A
BARRIE CITY (VESPRA) ()	17 603964 4915406 W	2016/07 7190	02	0020		MO	20 10	7269401 (Z228543) A156710 BRWN SAND SILT DNSE 0010 GREY SAND SILT DNSE 0030
BARRIE CITY (VESPRA) ()	17 604079 4915101 W	2017/02 7109						7281696 (Z246456) A216588 P
BARRIE CITY (VESPRA) ()	17 604041 4915203 W	2016/09 7282						7280994 (Z210735) A198447 P
BARRIE CITY (VESPRA) ()	17 603997 4915581 W	2012/03 7190	02	0015		MO	12 10	7179174 (Z146932) A105855 BRWN SAND GRVL 0015 BRWN SAND GRVL WBRG 0025
BARRIE CITY (VESPRA) ()	17 603968 4915162 W	2013/07 7282	02			MO	3 10	7209097 (Z161875) A143865 BRWN SAND SILT DRY 0006 BRWN SAND WBRG LOOS 0013
BARRIE CITY (VESPRA) ()	17 603906 4915157 W	2012/01 7282	02			MO	7.5 10	7180078 (Z125502) A120807 BRWN SAND GRVL SOFT 0001 BLCK SAND GRVL SOFT 0018
BARRIE CITY (VESPRA) ()	17 604022 4915023 W	2016/10 7360						7274297 (Z230486) A210326 P
BARRIE CITY (VESPRA) ()	17 603778 4915239 W	2012/01 7282	02			MO	8 5	7180077 (Z125500) A120775 BRWN LOAM SOFT 0002 BRWN SAND SOFT 0004 BLCK SAND SILT SOFT 0013
BARRIE CITY (VESPRA) ()	17 603821 4915192 W	2012/02 7282	02			MO	12 5	7180074 (Z125501) A120774 BRWN LOAM SAND SOFT 0001 BRWN SAND GRVL SOFT 0005 BLCK SAND SILT SOFT 0017

TOWNSHIP CONCESSION (LOT)	UTM[1]	DATE[2] CNTR[3]	CASING DIA[4]	WATER[5,6] DETAIL	STAT LVL/PUMP LVL[7] RATE[8]/TIME HR:MIN	WATER USE[9]	SCREEN INFO[10]	WELL # (AUDIT#) WELL TAG # STATE[12] DEPTHS TO WHICH FORMATIONS EXTEND[5,11]
BARRIE CITY (VESPRA) ()	17 603762 4915057 W	2013/07 7282	02			MO	4 10	7209098 (Z174572) A143866 BRWN SAND SILT DRY 0007 BRWN SAND SILT WBRG 0013
BARRIE CITY (VESPRA) ()	17 603883 4915103 W	2011/11 7282						7174710 (Z125510) A
BARRIE CITY (VESPRA) ()	17 603883 4915103 W	2011/11 7282						7174734 (Z125511) A045946 A
BARRIE CITY (VESPRA) ()	17 603870 4915094 W	2011/11 7282						7174733 (Z125508) A045976 A
BARRIE CITY (VESPRA) ()	17 603870 4915094 W	2011/11 7282						7174732 (Z125509) A045974 A
BARRIE CITY (VESPRA) ()	17 604401 4915463 W	2011/09 7241	01			MO	5 5	7169807 (Z136816) A111656 A
BARRIE CITY (VESPRA) ()	17 603867 4915092 W	2008/10 7075	02					7153856 (Z76726) A045974 BRWN FSND LOOS 0063 GREY CLAY SILT HARD 0073 GREY CLAY SILT SOFT 0090 GREY CLAY HARD 0101 GREY CLAY GRVL HARD 0119 GREY CLAY HARD 0131 BRWN SAND SILT LOOS 0160 BRWN GRVL SAND LOOS 0250 BRWN FSND LOOS 0312
BARRIE CITY (VESPRA) ()	17 603863 4915089 W	2010/10 7075	02					7153855 (Z76727) A045976 BRWN FSND LOOS 0063 GREY CLAY SILT HARD 0073 GREY CLAY SILT SOFT 0090 GREY CLAY HARD 0101 GREY CLAY GRVL HARD 0119 GREY CLAY HARD 0131 BRWN SAND SILT LOOS 0160 BRWN GRVL SAND LOOS 0190
BARRIE CITY (VESPRA) ()	17 604092 4915556 W	2005/05 7215	01				16 33	5739834 (Z28578) A025575
BARRIE CITY (VESPRA) ()	17 604207 4915088 W	2004/09 7215					1 10	5739445 (Z16426) A015592
BARRIE CITY (VESPRA) ()	17 604045 4915246 W	2012/06 7282						7189351 (Z62882) A120771 P

Notes:
1. UTM in Zone, Easting, Northing and Datum is NAD83; L: UTM estimated from Centroid of Lot; W: UTM not from Lot Centroid
2. Date Work Completed
3. Well Contractor Licence Number
4. Casing diameter in inches
5. Unit of Depth in Feet
6. See Table 4 for Meaning of Code
7. STAT LVL: Static Water Level in Feet ; PUMP LVL: Water Level After Pumping in Feet
8. Pump Test Rate in GPM, Pump Test Duration in Hour : Minutes
9. See Table 3 for Meaning of Code
10. Screen Depth and Length in feet
11. See Table 1 and 2 for Meaning of Code
12. A: Abandonment; P: Partial Data Entry Only

1. Core Material and Descriptive terms

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

2. Core Color

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

3. Water Use

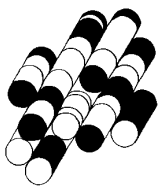
Code	Description	Code	Description
DO	Domestic	OT	Other
ST	Livestock	TH	Test Hole
IR	Irrigation	DE	Dewatering
IN	Industrial	MO	Monitoring
CO	Commercial	MT	Monitoring & Test Hole
MN	Municipal		
PS	Public		
AC	Cooling And A/C		
NU	Not Used		

4. Water Detail

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

APPENDIX M

TERRAPROBE INC.



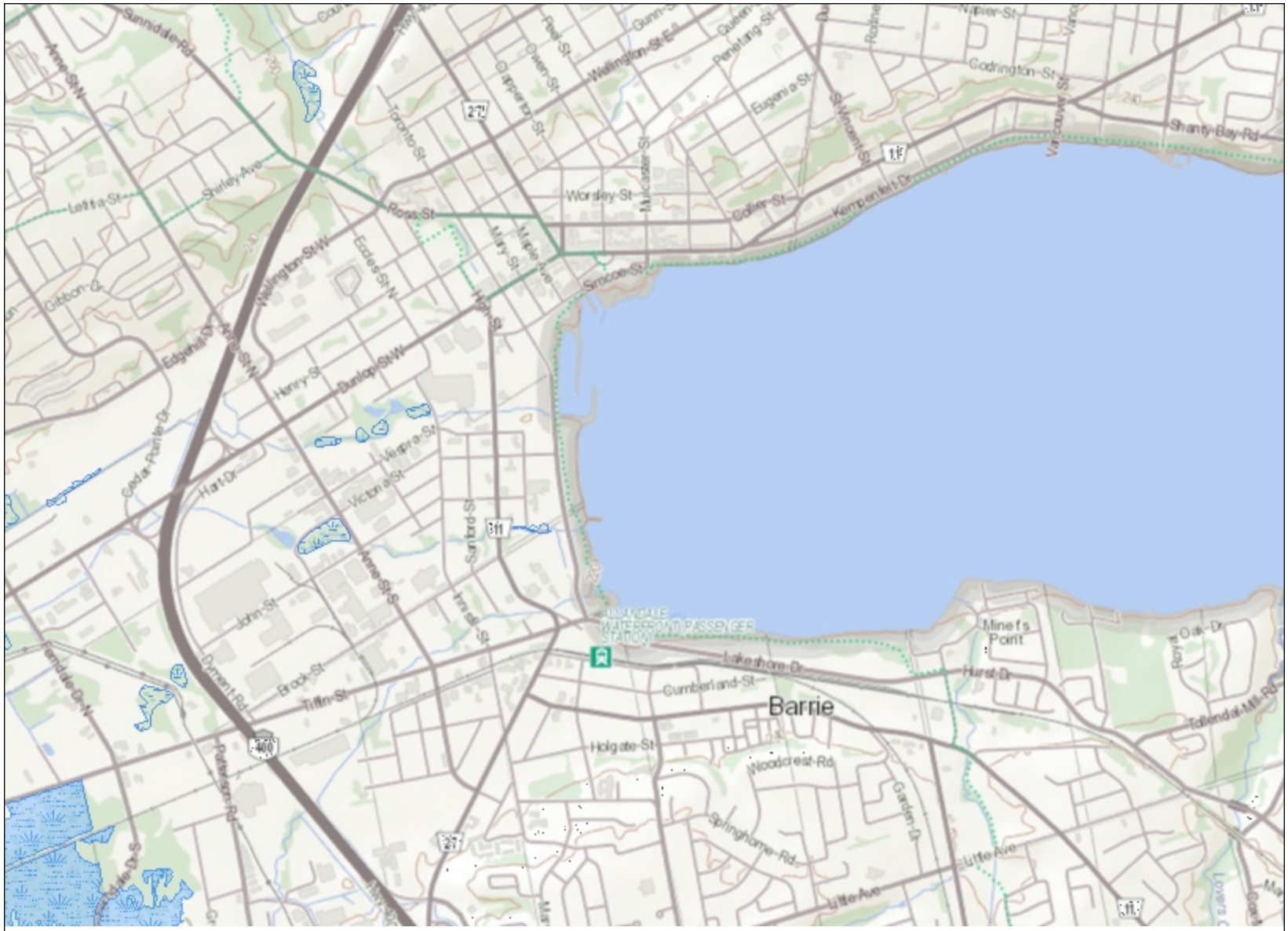
Ontario

Ministry of Natural Resources and Forestry

Make-a-Map: Natural Heritage Areas

51-75 Bradford St, Barrie

Notes: 1-17-0147



Legend

- Assessment Parcel
- Woodland
- Conservation Reserve
- Provincial Park
- Natural Heritage System
- Ecoregion

Wetland
- Provincially Significant Wetland Evaluated
- Non - Provincially Significant Wetland Evaluated
- Unevaluated Wetland

Area of Natural Heritage & Scientific Interest (ANSI)
- Provincially Significant Life Science ANSI
- Provincially Significant Earth Science ANSI

Greenbelt Plan
- Boundary
- River Valley Connections

Land Use Designations
- Protected Countryside
- Towns and Villages
- Hamlets
- Urban River Valley
- Specialty Crop Area

Niagara Escarpment Plan (NEP)
- Boundary
- Parks and Open Space System

Land Use Designations
- Escarpment Natural Area
- Escarpment Protection Area
- Escarpment Rural Area
- Mineral Resource Extraction Area
- Escarpment Recreation Area
- Urban Area
- Minor Urban Centre

Oak Ridges Moraine Conservation Plan (ORM)
- Boundary

Land Use Designations
- Natural Core Area
- Natural Linkage Area
- Countryside Area
- Rural Settlement
- Palgrave Estates Residential Community
- Settlement Area

1.8 0 0.92 1.8 Kilometers

Scale: 1 : 36,111

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Lake Simcoe Region
conservation authority

Features

- Regulation Map Index
- LSRCA Watershed Boundary
- Lake Simcoe
- Watercourse
- Regulated Area Boundary
- Regulated Area
- Assessment Parcel
- Lot and Concession

Roads

- Hwy 400 Series
- Highway, Arterials
- Local Road

Railway

Printed On:
8/14/2017

WGS_1984_Web_Mercator_
Auxiliary_Sphere

Mapped By:

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Scale 1: 10,692

Meters

543 0 272 543

From: Ruchi Chohan on behalf of Public Information Services
To: Environmental Info
Subject: RE: TSSA Search Request 1-17-0147
Date: Wednesday, March 22, 2017 8:54:41 AM

Hello Zoe,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (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.

Thank you and have a great day!

Ruchi

Ruchi Chohan | Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3417 | Fax: +1-416-231-4903 | E-Mail: rchohan@tssa.org
www.tssa.org

-----Original Message-----
From: Environmental Info [mailto:einfo@terraprobe.ca]
Sent: Thursday, March 16, 2017 9:51 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Search Request 1-17-0147

Good morning,

I am doing a Phase One Assessment and I would like to request a preliminary basic record search for the following properties in Barrie, Ontario, please:

50, 51, 53, 55, 59, 75, 83, 93 Bradford St
33 Ellen St
2 Toronto St

If you require any additional information, please let me know.

Thank you,

Zoe Beckerman, EIT
Environmental Engineering
Terraprobe
Geotechnical, Geostructural, & Environmental Engineering Construction Materials, Inspection & Testing
11 Indell Lane, Brampton, Ontario L6T 3Y3
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Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

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Ontario

RECEIVED
APR 10 2017

April 7, 2017

Zoe Beckerman
Terraprobe Inc.
11 Indell Lane
Brampton, ON L6T 3Y3

Dear Zoe Beckerman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #s: A-2017-02087 to 02089, Your Reference #: 1-17-0147-41

This letter is in response to your requests, which we have combined, made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 51, 55 and 75 Bradford Street, Barrie.

After a search of the Ministry's Barrie District Office, Central Region, Investigations and Enforcement Branch, Environmental Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. The records reference the above-mentioned site addresses and cannot be separated. It is my preliminary decision to provide partial access to the information as the identity of complainants will be removed to protect privacy (Section 21(1)(f) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the estimated fee is:

• Search Time 3 hours @ $30/hour	$ 90.00
• CD	10.00
• Preparation Time approx. 0.92 hour @ $30/hour	27.60
• Delivery	3.00
• **Total**	**$130.60**
• Deposit Received (from 3 requests)	- 90.00
• **Balance Due**	**$ 40.60**

Due to the volume, the records will be provided to you electronically on a CD. The Ministry has relied on Order PO-3621 by the Office of the Information and Privacy Commission (IPC) in order to calculate the estimated fees. Order PO-3621 states that the Ministry may charge a preparation fee of $30.00 per hour for every 1,200 pages of scanned records. The breakdown of the approximate preparation fee is as follows: an estimated 0.92 hours to convert approximately 1,100 pages to electronic format. Please note, that upon completion of the Ministry's review, additional preparation charges may be applied to account for any severances made to the records in accordance with the exemptions under the Act. These severances will be charged at a rate of $30.00 per hour, calculated at a rate of two minutes per page.

Terraprobe

Consulting Geotechnical & Environmental Engineering
Construction Materials Inspection & Testing

PHASE TWO
ENVIRONMENTAL SITE ASSESSMENT
51-75 BRADFORD STREET
BARRIE, ONTARIO

Prepared for: **FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.**
25 Brodie Drive, Unit 1
Richmond Hill, Ontario,
L4B 3K7

Attention: Mr. Travis Nolan

File No 1-17-0147-42
September 12, 2017

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Terraprobe Inc.

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1.0 EXECUTIVE SUMMARY

Terraprobe was retained by FORTRESS KEMPENFELT BAY DEVELOPMENTS INC. (FORTRESS) to complete a Phase Two Environmental Assessment (ESA) of the property located to the southeast of Bradford Street and Simcoe Street in Barrie, Ontario (Property). The Property was listed under the municipal addresses 51, 55 and 75 Bradford Street, Barrie, Ontario.

The Phase One ESA for the Property identified the following Areas of Potential Environmental Concern (APECs):

- APEC 1 (Entire Property) – Historical use of fill material of unknown quality at the Property during redevelopment. Portions of the Property were also historically used as a coal yard from the early 1900s to the early 1950s.
- APEC 2 (North Portion of Property) – Historical activities on the Property under 51 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to early 1980s, as well as automobile service garages from at least 1989 to mid-2000s.
- APEC 3 (Entire Property) – Historical activities on the Property under 55 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to 1985, and automobile service garages from 1994 to the early 2000s.
- APEC 4 (Entire Property) – Historical activities on the Property under 75 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to 1985, wood and coal yard under former 65 Bradford Street from at least 1917 to the mid-1950s, and automobile service garages with underground fuel tanks since the early 1960s to the present.
- APEC 5 (North Portion of Property) – Historical activities at 45 Bradford Street included an iron works facility in the early 1900s and automobile service garages from the early 1900s to mid-1990s.
- APEC 6 (North Portion of Property) – Historical activities at 10 Checkley Street (formerly 14 High Street) included the presence of several fuel tanks at least 1917 to the 1971, and a dry cleaning facility in at least 1971.
- APEC 7 (East Portion of Property) – Historical electricity generation facility from the early 1920s to the mid-1970s at 80 Bradford Street.
- APEC 8 (East Portion of Property) – Historical automobile service garages and service station with multiple unground fuel tanks at 82 Bradford Street from approximately the early 1920s to mid-1970s.

A Phase Two ESA of the Property was recommended to investigate these concerns.

The Phase Two ESA involved advancing fourteen (14) boreholes, instrumented with monitoring wells, on the Property. The boreholes were advanced to depths ranging from 7.9 m to 12.8 m below grade. Soil and groundwater samples were collected and submitted for chemical analysis for parameters including metals and inorganics, polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs) and petroleum hydrocarbons (PHCs). In addition, eleven (11) monitoring wells from previous environmental investigations were present at the Property during this Phase Two ESA. Ground water samples were also collected from these existing monitoring wells for the Phase Two ESA.

The conclusions arising from the Phase Two ESA are as follows:

- The applicable Ontario Ministry of the Environment and Climate Change (MOECC) Standards for the Property are:
    - Parcel A (land beyond 30 m of creek) – Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Intuitional Land Use (Table 2 RPI)
    - Parcel B (land within 30 m of creek) – Table 1 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Intuitional Land Use (Table 1 RPI)
    - Bunkers Creek Bed (creek bed) – Sediment Full Depth Generic Site Condition Standards for All Types of Property Use (Sediment Standard)
- The geology at the Property consists of fill soils generally comprising sandy silt with traces of gravel, natural organics, cinders and brick fragments. Underlying the fill layer, peat material consisting of woody fibres and decayed organics followed by native sand soils were encountered.
- No bedrock was encountered during the drilling. Based on the Phase One ESA, bedrock of the Shadow Lake Formation is present beyond 50 m bgs.
- The ground water table was present in the fill material approximately 0.5 m to 3 m below the existing ground surface.
- Soil samples from the fill material and native soil as well as ground water samples were analysed for PHCs, PAHs, VOCs and metals and inorganic parameters.
- Applicable Site Condition Standards were **not** met in the fill material for PHCs, PAHs and Metals.
- Applicable Site Condition Standards were **not** met in the the native soils for SAR and VOCs.
- Applicable Site Condition Standards were **not** met in the sediment for Metals and PAHs.
- Applicable Site Condition Standards were **not** met in the in the ground water for Sodium, Chloride, Metals, PAHs, PHCs and VOCs.

Based on the above, exceedances of the applicable Site Condition Standards are present in the earth fill, native soils, ground water and sediment on the Property. Either remediation or a Risk Assessment will be required before a Record of Site Condition (RCS) can be filed for the Property. It is not considered feasible to remediate the Property to meet the generic site condition standards due to the following factors:

- Extensive volume of impacted fill materials and native soils found across the entire Property.
- Extensive shallow ground water contamination at the property.
- High water table conditions which will require further evaluation of risks from the contaminants
- Any soils excavated from the Property would have to be replaced with clean soil material to maintain site grades, which may not be feasible for development.

As a result of these factors, the most appropriate method for obtaining an RSC for the Property will be through the Risk Assessment process. The Phase Two ESA has sufficiently delineated the horizontal extent of subsurface impacts at the Property. The Phase Two ESA has also sufficiently delineated the vertical extent of subsurface impacts on the majority of the Property, with the exception of the east portion. Additional investigation to sufficiently delineate the ground water impacts on the east portion of the Property may be required to satisfy the requirements for a Risk Assessment and RSC.

2.0 INTRODUCTION

Terraprobe was retained by FORTRESS KEMPENFELT BAY DEVELOPMENTS INC. (FORTRESS) to complete a Phase Two Environmental Assessment (ESA) of the property (Property) located to the southeast of Bradford Street and Simcoe Street in Barrie, Ontario. The Property was listed under the municipal addresses 51, 55 and 75 Bradford Street, Barrie, Ontario.

The general location of the Phase Two Property is presented in the Site Location Plan (Figure 1).

2.1 Site Description

The Property is irregular in shape located on the east side of Bradford Street and approximately 75 m south of Simcoe Street. Site features are presented on the Site Plan (Figure 1). The Phase Two Property information is provided in Table 1 below.

Table 1: Phase Two Property Identification

Legal Description	**51 Bradford Street:** Lot 120 & Part Lots 119 & 121 e/s Bradford Street, Part Bob Street Robert Ross Plan; Part Lot 24, Concession 5 as Part 2, 51R14824, City of Barrie **55 Bradford Street:** Part Lots 117-119 e/s Bradford Street, Part Bob Street Robert Ross Plan; Part Lot 24, Concession 5 as Part 1, 51R36217, City of Barrie **75 Bradford Street:** Lot 90 w/s High Street; Part Lot 65 e/s High Street Plan 115; Part Lots 24 & 25, Concession 5, City of Barrie Part Lots 24 & 25, Concession 5, Innisfil & Part Lots 117 & 118 Robert Ross Plan, designated as Parts 2, 4 & 5, 51R36217, City of Barrie And Part Lot 24, Concession 5, Innisfil & Lots 115, 116 & Part Lot 117 Robert Ross Plan, designated as Part 3 51R36217, City of Barrie
Municipal Address	51, 55 & 75 Bradford Street, Barrie, Ontario
Zoning	Commercial (C2-1, C2-2 & C4) on north and central portions Environmental Protection (EP) on south portion.
Approximate Size	3.51 ha

2.2 Current and Proposed Future Uses

The Property currently consists of vacant vegetated lands on the north and east portions, a commercial building (auto dealership) with associated parking areas on the southwest portion, and a watercourse (Bunkers Creek) along the southern property boundary. If developed, the use of the Property is expected to be Residential. The purpose of this investigation is to assess the environmental condition of the Property for due diligence purposes.

2.3 Applicable Site Condition Standard

The applicable soil and groundwater Standards for the Property were determined to be those in the April 15, 2011 Ontario Ministry of the Environment and Climate Change (MOECC) *Soil, Ground Water and Sediment Standards for use under part XV.1 of the Environmental Protection Act.* The Property was divided into three (3) parcels (Figure 2) and the appropriate standards were determined based on the following considerations:

Parcel A: *Portions of the Property that are beyond 30 m of Bunkers Creek*

- The current use for the parcel is for Commercial Land Use.
- If developed, the parcel will be Residential in Land Use.
- Bedrock is located at a depth of greater than 2 m.
- The Property is located within the 2 and 6 year capture zone of various municipal wells. Thus, ground water conditions in the vicinity of the site are considered to be potable water conditions.
- The parcel is not located within 30 m of a surface water body.
- The parcel is not located in or adjacent to a provincial park or an area of natural significance.

Parcel B: *Portions of the Property that are within 30 m of Bunkers Creek*

- The current use for the parcel is for Commercial Land Use. The south portion of the parcel is also zoned by the City of Barrie as Environmental Protection or EP.
- If developed, a majority of the parcel will be Residential in Land Use.
- Bedrock is located at a depth of greater than 2 m.
- The Property is located within the 2 and 6 year capture zone of municipal wells. Thus, ground water conditions in the vicinity of the site are considered to be potable water conditions.
- The parcel is located within 30 m of a surface water body.
- The parcel may be considered sensitive due to its proximity to the creek which is regulated by the Lake Simcoe Region Conservation Authority (LSRCA).

Bunkers Creek Bed

- The current use for the parcel is a manmade creek. The parcel is also zoned by the City of Barrie as Environmental Protection or EP.
- If developed, the parcel will be Parkland in Land Use.
- Bedrock is located at a depth of greater than 2 m.
- The Property is located within the 2 and 6 year capture zone of municipal wells. Thus, ground water conditions in the vicinity of the site are considered to be potable water conditions.
- The Property is located within 30 m of a surface water body which is regulated by the Lake Simcoe Region Conservation Authority (LSRCA).

Based on the above, the following Site Condition Standards (SCS) were considered:

- Parcel A – Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Institutional Land Use (Table 2 RPI)
- Parcel B – Table 1 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Institutional Land Use (Table 1 RPI)
- Bunkers Creek Bed - Sediment Full Depth Generic Site Condition Standards for All Types of Property Use (Sediment Standard)

3.0 BACKGROUND INFORMATION

3.1 Physical Setting

3.1.1 Water Bodies and Areas of Natural Significance

The nearest water body is Bunkers Creek which is located along the southern Property boundary. The creek drains into Lake Simcoe which is located 65 m east of the Property.

The Ontario Ministry of Natural Resources National Heritage Information Centre database for listings of Areas of Natural or Scientific Interest (ANSIs) was reviewed. According to the database, no ANSIs were listed within 250 m of the Property.

3.1.2 Topography and Surface Water Drainage

The approximate elevation of the Property is 220 masl and uneven throughout the Property.

Surface runoff is directed overland towards the east, and ultimately drains into Lake Simcoe via Bunkers Creek located on the south portion of the Property. Regional ground water flow is expected to be in an easterly direction, towards the Lake. Locally, ground water depth and flow direction may be influenced by underground structures (e.g., service trenches).

3.2 Past Investigations

The following environmental reports were available to Terraprobe for review.

Report Title	Phase I Environmental Site Assessment, Proposed Blue Sails Development, PIN58995-554/0565/0031/0030/0276(LT) & PINS 58795-0143(R), Part Lot 24 & 25, Concession 5, Formerly Vespra Township, City of Barrie, Ontario
Report Date	July 30, 2008 (Updated August 11, 2008)
Prepared By	Terraprobe
Prepared For	Blue Simcoe Developments Inc.

- The Phase I ESA was completed in accordance with CSA Standard Z768-01 for due diligence purposes.
- At the time of the Phase I ESA, north portion of the Property was vacant and the south portion comprised of buildings occupied by Barrie Metro Glass and sales offices. Suspect fill material was also observed on the portions of the Property at that time.

- Historical uses at the Property reportedly included The Barrie Tanning Company, Mickle & Co. Coal and Wood Yard and auto repair shops.

- A review of previous reports by other consultants was included in this Phase I ESA Report. This review indicated the following relevant environmental discussions:
    - Remediation Reports by Barenco Inc. (Barenco), January 1999 & January 2001 – These reports related to early remediation efforts undertaken on the east portion of the Property. The program was completed to remediate petroleum hydrocarbon (PHC) impacted soils at the Property to meet the former Table B generic criteria, assuming a non-potable groundwater condition and full depth restoration. The remediation involved the establishment and monitoring of bio piles. Metal and salt-related impacts in the soils were also excavated and mixed onsite. The PHC biopiles were then dismantled and reassessed for any outstanding impacts. According to the reports, the remediation involved the processing of 4,000 tonnes of soil onsite and the offsite disposal of 800 tonnes of impacted soil. The 2001 Barenco report concluded that all impacted soils had been remediated and no environmental contaminants remained.
    - Geotechnical Reports by Peto MacCallum (PMC), March 2008 - In the first investigation (i.e., for the parcels located on Bradford Street), 7 soil samples and 3 groundwater samples were collected during a geotechnical investigation for chemical analysis. PMC considered the Property as a 'sensitive' land use, as a result of its proximity to a surface water body. Therefore, the applicable Site Condition Standards (SCS) were deemed to be the full depth, Table 1 SCS. The results indicated that metals, boron, petroleum hydrocarbons, Volatile Organic Carbons (VOCs), and Polycyclic Aromatic Hydrocarbons (PAHs) exceedances were detected. In addition, groundwater tests also had elevated concentrations of VOCs, PHCs, in addition to metals. The second report was for the larger property (i.e., the section closer to Lakeshore Road). For this parcel, 18 soil samples and 3 groundwater samples were collected for chemical analysis. Based on the chemical results for soils, elevated concentrations of metals, petroleum hydrocarbons (F2-F4), PAHs, and VOCs were identified at specific locations. The results of the groundwater sampling confirmed elevated metals and inorganic parameters at all sampling locations.

  Based on the above, previous subsurface investigations were completed at the Property between 1999 and 2008. As the regulations have since changed to more stringent standards in 2011, soil and ground water impacts may remain on the Property.

- The Phase I ESA identified several environmental concerns based on the current and historical land uses/activities both onsite and offsite. The report concluded with a recommendation for a subsurface investigation to determine the extent of potential contamination from the identified environmental concerns.

Report Title	Revised Phase II Environmental Site Assessment, Proposed Blue Sails Development, 51-75 Bradford Street, Barrie, Ontario
Report Date	May 28, 2010 (revised)
Prepared By	Terraprobe
Prepared For	Blue Simcoe Developments Inc.

- The Phase II ESA was completed to determine the extent of soils and ground water contamination at the Site, based on the concerns identified in the 2008 Terraprobe Phase I ESA and environmental reports by other consultants (Barenco and PMC).
- The Phase II ESA was completed between 2008 to 2009 as follows:
    - The 2008 investigation included 19 boreholes drilled from depths of approximately 5.1 to 40.1 m, 15 test pits dug to depths of approximately 1.4 to 3.4 m, and installation of monitoring wells or piezometers at 11 locations. In addition, chemical analysis was conducted on approximately 36 selected soil samples and 8 ground water samples.
    - Additional environmental investigation was conducted in 2009 to further characterize the soil and ground water conditions at the Property. The investigation consisted of 7 boreholes advanced to depths of 2.9 to 9.7 m, 27 test pits excavated to depths of 2.1 to 7.0 m, and installation of 9 monitoring wells. Chemical analyses was conducted on approximately 37 selected soil samples for a variety of parameters. In addition, 12 ground water samples (9 from the 2009 monitoring wells and 3 from the previously installed monitoring wells) were analysed on two sampling events.
- The stratigraphy observed in the boreholes was generally fill comprised of sand and silt mixed with concrete rubble and traces of wood and brick debris. Frequent layers of coal cinders were found within the fill. The fill was underlain by a layer of peat, typically of up to 4 m thickness. Beneath the fill or peat layer, deposits of sand and silty sand were found at depths of approximately 1.5 to 7 m. A layer of clayey silt to silty clay was then encountered. The silty clay was underlain by further deposits of sand or sandy silt encountered at the limits of the investigation at approximately 40 m.
- The results of the soil and ground water analysis completed for the Phase II ESA indicated:
    - There are a number of exceedances of the 2004 Table 1 Standards noted in the fill materials. These exceedances are generally for metals (antimony, arsenic, beryllium, boron, chromium, copper, lead, nickel, zinc, electrical conductivity), petroleum hydrocarbons, VOC's and polycyclic aromatic hydrocarbons.
    - There are a number of exceedances of the 2004 Table 2 Standards for many of the same parameters noted above (metals, petroleum hydrocarbons, PAHs, cis-1,2 dichloroethylene and vinyl chloride).
    - The ground water quality generally met the 2004 Table 2 Standards with the exception of minor exceedances for VOC, petroleum hydrocarbons and PAHs in some of the wells

located within the hydrocarbon impacted area near the central portion of the site. In addition, minor exceedances for sodium, chloride and PAHs were noted in some of the wells located across the site.

- The report concluded that remediation of the impacted media by excavation or risk assessment would be required in order to obtain a Record of Site Condition (RSC) for the Property for the purposes of redevelopment into Residential Land Use.
- It should be noted that the Phase II ESA was completed prior to change in the Regulations to standards that are more stringent in 2011. As such, soil and ground water impacts may remain on the Property.

Report Title	Risk Assessment for 51-75 Bradford Street, Barrie, Ontario – IDS Ref. No. 4730-823K2U
Report Date	August 31, 2010
Prepared By	NovaTox Inc. (Novatox)
Prepared For	Terraprobe

- The Risk Assessment was completed following the submission and receipt of comments by the MOECC on the pre-submission form.
- The RA generally summarized the Phase I and Phase II ESA completed at the Property (as previously noted) and included the following:
    - Identification of the contaminants of concern, based on historical evidence and site investigation.
    - Identification of appropriate pathways and receptors based on the then existing and proposed land use for the Property and surrounding areas
    - Identification of appropriate Risk Management Measure (RMMs) for the Property
- The expected RMMs based on the site condition standards for lands within 30 m of Bunkers Creek included:
    - Leave lands in existing natural state with no significant changes or on-going maintenance.
    - Construct limited features within the site, such as a pedestrian or bicycle pathway.
    - Conduct more significant works within the park including re-grading, planting, landscaping, and the like.
- The expected RMMs based on the site condition standards for lands beyond 30 m of Bunkers Creek:
    - Site remediation,
    - Surface covering or treatment, compatible with the proposed land uses, to isolate or block exposure to impacted soil.

  - Use of clean backfill materials in the construction of underground utilities (such as sewers, utility conduits and the like) to minimize the potential for future exposure of construction or maintenance workers.
- It should be noted that the 2010 RA was not acknowledged by the MOECC. As such, additional subsurface investigations to further characterize the soil and groundwater contamination and update of the RA to current MOECC requirements will be necessary.

Report Title	Phase One ESA, 51-75 Bradford Street, Barrie, Ontario
Report Date	August 02, 2017
Prepared By	Terraprobe
Prepared For	FORTRESS KEMPENFELT BAY DEVELOPMENTS INC.

- The Phase One ESA was complete for due diligence purposes in general accordance with O.Reg. 153/04.
- The Phase One ESA identified the following Area of Potential Environmental Concern on the Property:
  - APEC 1 (Entire Property) – Historical use of fill material of unknown quality at the Property during redevelopment. Portions of the Property were also historically used as a coal yard from the early 1900s to the early 1950s.
  - APEC 2 (North Portion of Property) – Historical activities on the Property under 51 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to early 1980s, as well as automobile service garages from at least 1989 to mid-2000s.
  - APEC 3 (Entire Property) – Historical activities on the Property under 55 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to 1985, and automobile service garages from 1994 to the early 2000s.
  - APEC 4 (Entire Property) – Historical activities on the Property under 75 Bradford Street included tannery with railway spurs and underground tanks between at least 1917 to 1985, wood and coal yard under former 65 Bradford Street from at least 1917 to the mid-1950s and automobile service garages with underground fuel tanks since the early 1960s to the present.
  - APEC 5 (North Portion of Property) – Historical activities at 45 Bradford Street included an iron works facility in the early 1900s and automobile service garages from the early 1900s to mid-1990s.
  - APEC 6 (North Portion of Property) – Historical activities at 10 Checkley Street (formerly 14 High Street) included presence of several fuel tanks in at least 1917 to the 1971, and a dry cleaning facility in at least 1971.

- APEC 7 (East Portion of Property) – Historical electricity generation facility from at early 1920s to the mid-1970s at 80 Bradford Street.
- APEC 8 (East Portion of Property) – Historical automobile service garages and service station with multiple unground fuel tanks at 82 Bradford Street from approximately the early 1920s to mid-1970s.

- The Phase One ESA concluded that a Phase Two ESA would be required to investigate the APECs for the Contaminants of Concern (COCs) that have been identified on the Property.

4.0 SCOPE OF THE INVESTIGATION

4.1 Overview of Site Investigation

Terraprobe conducted the following subsurface work during the investigation:

- Drilling of ten (10) boreholes to a depth of 7.9 to 11.0 metres below ground surface (bgs) in April 2017.
- Installation of ten (10) 50 mm groundwater monitoring wells in the April 2017 boreholes.
- Drilling of four (4) boreholes to a depth of 12.8 bgs in June 2017.
- Installation of four (4) 50 mm groundwater monitoring wells in the June 2017 boreholes.
- Laboratory analysis of selected soil samples for parameters including:
    - Metals
    - Hydride-Forming Metals
    - Select Other regulated Parameters (ORPs) including Electrical conductivity (EC), Sodium Absorption Ratio (SAR), Boron, hot water soluble, Cyanide, Mercury, Hexavalent Chromium, pH
    - Petroleum Hydrocarbons (PHCs)
    - Volatile Organic Compounds (VOCs)
    - Polycyclic Aromatic Hydrocarbons (PAHs)
    - Polychlorinated biphenyls (PCBs) were analyzed during the previous investigations in 2008/2009 with no exceedances to the current applicable Site Condition Standards. As such, PCBs were not analyzed during this investigation.
- Submission of soil samples to Terraprobe Inc. for grain size analysis and soil classification
- Collection of upper and lower sediment samples from upstream and downstream locations from the bed of the surface water body present on the Property.
- Laboratory analysis of selected sediment samples for parameters including:
    - Metals
    - Hydride-Forming Metals
    - Select ORPs including EC, SAR, Boron, hot water soluble, Cyanide, Mercury, Hexavalent Chromium, pH
    - PHCs
    - VOCs
    - PAHs
- Survey of all boreholes and monitoring wells to a geodetic benchmark
- Measurement of ground water elevations to determine ground water elevation and flow direction
- Development and sampling of all monitoring wells
- Development and sampling of eleven (11) existing monitoring wells from previous environmental investigations

- Laboratory analysis of ground water samples for:
    - Metals
    - Hydride-Forming Metals
    - Select ORPs including Chloride, Cyanide, Mercury, Hexavalent Chromium, pH
    - Sodium
    - PHCs
    - VOCs
    - PAHs

4.2 Media Investigated

Based upon the potentially contaminating activities (PCAs) identified in the Phase One ESA for the Property, it was decided that sampling and analysis was required for both soil and groundwater on the Phase Two Property. Sample locations were selected to investigate the potential environmental contamination. In addition, sediment sampling was also conducted for this Phase Two ESA due to the presence of Bunkers Creek on the south portion of the Property.

Soil sampling was conducted during the drilling program by use of a split spoon sampling device. Sediment sampling was conducted using a handheld soil coring device. Ground water sampling water conducted from monitoring wells which were installed as part of the drilling program and also from existing useable monitoring wells from the previous investigations.

4.3 Phase One Conceptual Site Model

The Phase One Conceptual Site Model was developed as part of the Phase One ESA for the Phase Two Property through a review of historical records and a reconnaissance of the area. The Phase One Conceptual Site Model from the Phase One ESA is provided in Appendix A.

4.4 Deviations from Sampling and Analysis Plan

No significant deviations from the sampling and analysis plan occurred during the investigation.

4.5 Impediments

No impediments to the sampling activities were encountered at the Property.

5.0 INVESTIGATION METHOD

5.1 General

Utility clearances were undertaken prior to commencing the subsurface investigation. The Phase Two ESA followed the methods outlined in the following documents:

- Ontario Ministry of the Environment "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*" (December 1996)
- Ontario Ministry of the Environment "*Guide for Completing Phase Two Environmental Site Assessments under Ontario regulation 153/04*" (June 2011)
- Ontario Ministry of the Environment "*Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*" (July 2011)

The methods used in the Phase Two ESA investigation did not differ from the associated standard operating procedure

5.2 Drilling and Excavating

The drilling information for the Phase Two ESA is provided in Table 2 below:

Table 2: Drilling Information

Date of Drilling	April 10 -13, 2017 and June 28 – 29, 2017
Name of Contractor	Lantech Drilling Services Inc. (Lantech)
Equipment Used	• Track Mounted CME 75 • Hollow stem augers • 2 inch split spoon soil sampling device
Decontamination Measures	The split spoon sampling device was washed between each sample to minimize potential cross-contamination
Sample Frequency	Please refer to the borehole logs in Appendix B for the sampling frequency

5.3 Soil Sampling

Soil sampling was conducted on April 10 to 13 and June 28 to 29, 2017 by Lantech under the full time supervision of Terraprobe staff. The sampling was completed using a truck mounted CME 75 drill rig with hollow stem augers. Sample retrieval was accomplished using a 2 inch diameter split spoon soil sampling device which was cleaned between each sample. The soil samples were collected from a split spoon sampler that was driven 0.6 m (or until refusal) every 0.76 m to 3 m bgs then every 1.5 m for all boreholes.

5.4 Field Screening Measurements

Soil samples were screened in the field using portable hydrocarbon vapour testing equipment and following the procedure outlined in the "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*" published by the Ontario Ministry of the Environment.

Samples were screened using an RKI Instruments EAGLE 6 Monitor. The monitor has a range of 0 parts per million (ppm) to 50,000 ppm and an accuracy of +/- 5%. The monitor was calibrated with hexane prior to field screening as per the calibration procedure outlined by RKI Instruments in "*Instruction Manual Eagle Series Portable Multi-Gas Detector 71-0028RK*" released August 8, 2010.

Field screening measurements were used to help select samples for petroleum hydrocarbon and volatile organic compounds laboratory analysis. Complete field screening readings are provided on the borehole logs in Appendix B.

5.5 Groundwater Monitoring Well Installation

The monitoring well installation information for the Phase Two ESA is provided in Table 3 below:

Table 3: Monitoring Well Installation

Date of Drilling	April 10-13, 2017 and June 28-29, 2017
Name of Contractor	Lantech
Equipment Used	• Track Mounted CME 75 • Hollow stem augers • 2 inch split spoon soil sampling device
Decontamination Measures	The split spoon sampling device was washed between each sample to minimize potential cross-contamination
Sample Frequency	Please refer to the borehole logs in Appendix B for the sampling frequency
Water Well Tag Number	A212835 and A204635
Well Construction	The wells were constructed of 50-mm (2-in) ID PVC screens and risers. Filter sand was placed around the well screen to approximately 0.6 m above the top of the screen. The wells were then backfilled with bentonite to approximately 0.3 m below ground surface. The wells were finished with monument casing that were cemented in place.

5.6 Ground Water Sampling

Dedicated pumps were installed in each of the newly installed monitoring wells, as well as elven (11) existing useable monitoring wells present on the Phase Two Property from previous environmental investigations by Terraprobe and others. Prior to sampling, the wells were purged in accordance with standard engineering practice. The sampling was conducted on April 20, April 21 and July 5, 2017.

Sampling methodology from the Ontario Ministry of the Environment and Climate Change "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*", Ontario Ministry of the Environment and Climate Change "*Guide for Completing Phase Two Environmental Site Assessments under Ontario regulation 153/04*" and Ontario Ministry of the Environment and Climate Change "*Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*" were followed in, the collection of the ground water samples.

5.7 Sediment Sampling

Twelve (12) sediment samples were collected from the bed of Bunkers Creek as part of this investigation with a split spoon handheld coring device. Sampling of sediments was conducted at six (6) locations along Bunkers Creek: three (3) locations upstream, and three (3) locations downstream of the Property. Sampling was conducted in the west, middle and east portions of the channel at two (2) depths. The sampling locations are shown on Figure 2.

5.8 Analytical Testing

Analytical testing of soil and ground water was conducted by ALS Environmental in Mississauga.

5.9 Quality Assurance and Quality Control Measures

Laboratory supplied sample containers were used for all sampling conducted on the Property. All sampling containers were identified with laboratory supplied labels. Samples were placed in coolers with loose ice after collection for transportation to the laboratory. Chains of Custody were completed for all samples submitted to the laboratory. Sample hold times were met for all submitted soil and groundwater samples.

During soil sampling, the split spoon sampling device was washed between samples to minimize cross-contamination. While handling all samples Terraprobe staff used nitrile gloves. Fresh gloves were used for each sample to avoid cross contamination.

No deviations from the sampling and analysis plan occurred. Field duplicates were obtained for both soil and groundwater samples at a rate of at least 10%. The laboratory results for the duplicate samples were consistent with the results for the control samples for all parameters tested.

6.0 REVIEW AND EVALUATION

6.1 Geology

Detailed geological information for the Property is presented on the borehole logs in Appendix B. The geology is summarized below. The locations of the boreholes from the Phase Two ESA are shown on Figure 2. A cross section of the geology at the Property is provided in Figures 5 and 6.

6.1.1 Surficial Materials

The majority of the ground surface of the Property is covered by vegetation (tall grass, bushes, etc.), particularly on the north and east portions.

6.1.2 Fill Materials

Beneath the surficial layer, all of the boreholes encountered fill soils comprising sandy silt with traces of gravel, natural organics, cinders, concrete and brick fragments. The fill material was generally brown or black and generally moist. The material became wet at around 1.5 to 2.5 m in the boreholes. The fill soil extended to a maximum depth of about 3.7 m on the north portion and up to 6 m below grade closer to the creek.

6.1.3 Peat

Underlying the fill layer, peat material was encountered in all boreholes except BH204, BH205 and BH206. The peat layer extended to depth between 3.0 m to 9.3m bgs. This layer generally consisted of woody fibres and decayed organics, and was black in colour. The peat layer was primarily moist and became wet at depths of 2.4 m to 6.7 m.

6.1.4 Native Soil

The peat layer was underlain by a deposit of native sand with trace silt, gravel, sea shells at all of the borehole locations. The till extended to the maximum depth of each borehole i.e. to a depth of 7.9 m to 12.8 m bgs. The sands were brown/grey-brown and wet.

6.1.5 Inferred Bedrock

Bedrock was not encountered during the drilling. Based on the Phase One ESA, bedrock is of the Shadow Lake Formation is present beyond 50 m bgs.

6.2 Groundwater Elevations and Flow Direction

The ground water levels were measured both in the fourteen (14) newly installed and eleven (11) existing useable monitoring wells (from previous studies) at the Property. It should be noted that some of the existing monitoring wells were unmarked and temporary IDs (EMW1 to EMW10) were assigned prior to their identification. Where possible, the well IDs of eight (8) of the eleven (11) existing monitoring wells were determined.

Ground water levels were measured in April, June and July, 2017 within the monitoring wells present at the Property, as summarized in Appendix C.

It is noted that the water levels in these wells may not have stabilized at the time of measurement. Ground water levels may fluctuate with time, and seasonally, depending on the amount of precipitation and surface runoff.

6.3 Soil Texture

Based on the grain size analysis (Appendix D) completed for select soil samples, the soil texture for the native soils was determined to be coarse.

6.4 Soil Field Screening

Soil vapour field screening was conducted on all soil samples from all boreholes. Vapour concentrations ranged from non-detect to 80 ppm. The soil samples which exhibited the highest concentrations were submitted for laboratory analysis of petroleum hydrocarbons and VOCs. Complete soil field screening results are presented on the borehole logs in Appendix B.

6.5 Soil Quality

The location, depth and selected analyses of the sixty (60) collected soil samples are presented on the borehole logs in Appendix B and summarized below:

Sample ID	Depth (m)	Elev. (masl)	Strata	PHC	PAH	VOC	M	H-M	ORPs
BH201/SS1	0.0-0.6	220.7-220.1	Fill				✓	✓	✓
BH201/SS8	4.3-4.9	216.4-215.8	Native	✓	✓	✓			
BH201/SS12	6.7-7.3	214.0-213.4	Native				✓	✓	✓
BH201/SS13	7.3-7.9	213.4-212.8	Native	✓	✓	✓			
BH202/SS1	0.0-0.6	221.8-221.2	Fill		✓				
BH202/SS2	0.6-1.2	221.2-220.6	Fill				✓	✓	✓
BH202/SS9	4.9-5.5	216.9-216.3	Native	✓		✓			
BH202/SS12	6.7-7.3	215.1-214.5	Native		✓		✓	✓	✓

Sample ID	Depth (m)	Elev. (masl)	Strata	PHC	PAH	VOC	M	H-M	ORPs
BH202/SS13	7.3-7.9	214.5-213.9	Native	✓		✓			
BH203/SS3	1.2-1.8	220.9-220.3	Fill				✓	✓	✓
BH203/SS5	2.4-3.1	219.7-219.1	Fill		✓				
BH203/SS6	3.1-3.7	219.1-218.4	Native	✓		✓			
BH203/SS12	6.1-6.7	216.0-215.4	Native		✓		✓	✓	✓
BH203/SS13	7.3-7.9	214.8-214.2	Native	✓		✓			
BH204/SS2	0.6-1.2	221.7-221.1	Fill		✓				
BH204/SS4	1.8-2.4	220.5-219.9	Fill				✓	✓	✓
BH204/SS5	2.4-2.7	219.9-219.6	Fill	✓		✓			
BH204/SS12	6.7-7.3	215.6-215.0	Native	✓	✓	✓	✓	✓	✓
BH205/SS1	0.0-0.6	222.4-221.8	Fill				✓	✓	✓
BH205/SS2	0.6-1.2	221.8-221.2	Fill		✓				
BH205/SS4	1.8-2.4	220.6-220.0	Fill	✓		✓			
BH205/SS12	6.7-7.3	215.7-215.1	Native	✓		✓			
BH205/SS13	7.3-7.9	215.1-214.5	Native		✓		✓	✓	✓
BH206/SS1	0.0-0.6	221.2-220.6	Fill		✓				
BH206/SS2	0.6-1.2	220.6-220.0	Fill				✓	✓	✓
BH206/SS3	1.2-1.8	220.0-219.4	Fill	✓		✓			
BH206/SS12	6.7-7.3	214.5-213.9	Native		✓		✓	✓	✓
BH206/SS13	7.3-7.9	213.9-213.3	Native	✓		✓			
BH207/SS1	0.0-0.6	221.9-221.3	Fill				✓	✓	✓
BH207/SS2	0.6-1.2	221.3-220.7	Fill		✓				
BH207/SS4	1.8-2.4	220.1-219.5	Native	✓		✓			
BH207/SS12	6.7-7.3	215.2-214.6	Native		✓		✓	✓	✓
BH207/SS13	7.3-7.9	214.6-214.0	Native	✓		✓			
BH208/SS2	0.6-1.2	220.2-219.6	Native				✓	✓	✓
BH208/SS4	1.8-2.4	219.0-218.4	Native		✓				
BH208/SS6	3.1-3.7	217.7-217.1	Native	✓		✓			
BH208/SS14	7.9-8.5	212.9-212.3	Native		✓		✓	✓	✓
BH208/SS16	9.1-9.8	211.7-211.1	Native	✓		✓			
BH209/SS2	0.6-1.2	220.1-219.5	Fill		✓				
BH209/SS3	1.2-1.8	219.5-218.9	Fill				✓	✓	✓
BH209/SS8	4.3-4.9	216.4-215.8	Native	✓		✓			
BH209/SS17	9.8-10.4	211.0-210.3	Native		✓		✓	✓	✓
BH209/SS18	10.4-11.0	210.3-209.7	Native	✓		✓			
BH210/SS1	0.0-0.6	221.3-220.7	Fill		✓				
BH210/SS2	0.8-1.4	220.5-219.9	Fill				✓	✓	✓
BH210/SS6	3.8-4.4	217.5-216.9	Native	✓		✓			
BH210/SS12	8.4-9.0	212.9-212.3	Native		✓		✓	✓	✓
BH210/SS13	9.1-9.8	212.2-211.6	Native	✓		✓			
BH301/SS1	0.0 - 0.6	219.7 - 219.1	Fill				✓	✓	✓

Sample ID	Depth (m)	Elev. (masl)	Strata	PHC	PAH	VOC	M	H-M	ORPs
BH301/SS2	0.8 - 1.4	218.9 - 218.3	Fill	✓	✓	✓			
BH301/SS11	12.2 - 12.8	207.5 - 206.9	Native	✓	✓	✓	✓	✓	✓
BH302/SS1	0.0 - 0.6	221.8 - 221.2	Fill				✓	✓	✓
BH302/SS2	0.8 - 1.4	221.1 - 220.5	Fill	✓	✓	✓			
BH32/SS11	12.2 - 12.8	209.6 - 209.0	Native	✓	✓	✓	✓	✓	✓
BH303/SS1	0.0 - 0.6	220.2 - 219.6	Fill				✓	✓	✓
BH303/SS2	0.8 - 1.4	219.5 - 218.9	Fill	✓	✓	✓			
BH303/SS11	12.2 - 12.8	208.0 - 207.4	Native	✓	✓	✓	✓	✓	✓
BH304/SS1	0.0 - 0.6	220.1 - 219.5	Fill				✓	✓	✓
BH304/SS2	0.8 - 1.4	219.3 - 218.7	Fill	✓	✓	✓			
BH304/SS11	12.2 - 12.8	207.9 - 207.3	Native	✓	✓	✓	✓	✓	✓

✓ - Analysis completed for sample ✓ - Sample exceeds MOECC Standards

Based on the results of the chemical analysis conducted, the following soil exceedances were noted:

- Exceedances of Table 2 RPI Standards for samples collected in Parcel A (beyond 30 m of creek) –
  - BH201-SS8 – VOCs
  - BH201-SS12– SAR
  - BH203-SS6 – PHCs
  - BH205-SS2 – PAHs
  - BH206-SS1 – PAHs
  - BH206-SS2 – Metals
  - BH208-SS4 – PAH
  - BH210-SS1 - PAH
- Exceedances of Table 1 RPI Standards for samples collected in Parcel B (within 30 m of creek) –
  - BH304 SA1 - Metals

The results of the soil chemical analysis from this Phase Two ESA, as well as the results from the previous Terraprobe investigations in 2008 and 2009 are provided in Appendix E. The laboratory certificates of analysis for the 2017 investigation are provided in Appendix F. The locations of the soil exceedances are shown on Figures 7 and 8.

6.6 Groundwater Quality

Ground water sampling was completed for all existing and new monitoring wells on the Property. The location, depth and selected analyses of the twenty-five (25) collected ground water samples summarized below:

Sample ID	Screen/Sample Elev. (masl)	PHC	PAH	VOC	M	H-M	ORPs
BH201	215.8-212.8	✓	✓	✓	✓	✓	✓
BH202	218.8-215.7	✓	✓	✓	✓	✓	✓
BH203	217.5-214.7	✓	✓	✓	✓	✓	✓
BH204	217.7-214.7	✓	✓	✓	✓	✓	✓
BH205	217.8-214.8	✓	✓	✓	✓	✓	✓
BH206	216.6-213.6	✓	✓	✓	✓	✓	✓
BH207	217.3-214.3	✓	✓	✓	✓	✓	✓
BH208	214.7-211.7	✓	✓	✓	✓	✓	✓
BH209	213.1-210.0	✓	✓	✓	✓	✓	✓
BH210	215.2-212.2	✓	✓	✓	✓	✓	✓
BH301	210.6-207.5	✓	✓	✓	✓	✓	✓
BH302	212.8-209.7	✓	✓	✓	✓	✓	✓
BH303	211.3-208.2	✓	✓	✓	✓	✓	✓
BH304	210.8-207.7	✓	✓	✓	✓	✓	✓
MW1-09S (EMW2)	218.38-215.33	✓	✓	✓	✓	✓	✓
MW1-09D (EMW1)	211.98-210.46	✓	✓	✓	✓	✓	✓
MW4-09 (EMW7)	216.2-214.7	✓	✓	✓	✓	✓	✓
MW5-09 (EMW8)	216.2-214.6	✓	✓	✓	✓	✓	✓
MW6-09 (EMW6)	218.7-218.0	✓	✓	✓	✓	✓	✓
EMW3	Unknown	✓	✓	✓	✓	✓	✓
EMW5	Unknown	✓	✓	✓	✓	✓	✓
EMW10	Unknown	✓	✓	✓	✓	✓	✓
PMW1 (EMW9)	219.9-216.9	✓	✓	✓	✓	✓	✓
TBH116	217.2-215.8	✓	✓	✓	✓	✓	✓
TBH120 (EMW4)	218.7-216.8	✓	✓	✓	✓	✓	✓

✓ - Analysis completed for sample ✓ - Sample exceeds MOECC Standards

Based on the results of the chemical analysis conducted, the following ground water exceedances were noted:

- Exceedances of Table 2 RPI Standards for samples collected in Parcel A (beyond 30 m of creek) –
  - BH202 – PAHs
  - BH209 – VOCs
  - BH302 – PAHs
  - BH303 – VOCs

- MW4-09/EMW7 – Sodium, Chloride
- MW6-09/EMW6 – VOCs
- TH120 (EMW4) – PAHs, PHCs
- PMMW1 - PAHs
- EMW5 – VOCs
- EMW10 – VOCs

- Exceedances of Table 1 RPI Standards for samples collected in Parcel B (within 30 m of creek) –
  - MW1-09S/EMW2 –PAHs
  - TBH116 – BTEX, PAHs, Metals
  - EMW3 - PAHs

The results of the ground water chemical analysis from this Phase Two ESA, as well as the results from the previous Terraprobe investigations in 2008 and 2009 are provided in Appendix E. The laboratory certificates of analysis for the 2017 investigation are provided in Appendix F. The locations of the ground water exceedances are shown on Figures 10 and 12.

6.7 Sediment Quality

The location, depth and selected analyses of the collected ground water samples summarized below:

Sample ID	Elev. (masl)	Location	PHC	PAH	VOC	M	H-M	ORPs
SSUS1	218.6	Upper Creek Bed	✓	✓	✓	✓	✓	✓
SSUS2	218.3		✓	✓	✓	✓	✓	✓
SSUS3	218.5		✓	✓	✓	✓	✓	✓
SSUS4	218.2		✓	✓	✓	✓	✓	✓
SSUS5	218.9		✓	✓	✓	✓	✓	✓
SSUS6	218.2		✓	✓	✓	✓	✓	✓
SSDS1	218.1	Lower Creek Bed	✓	✓	✓	✓	✓	✓
SSDS2	217.8		✓	✓	✓	✓	✓	✓
SSDS3	218.4		✓	✓	✓	✓	✓	✓
SSDS4	218.1		✓	✓	✓	✓	✓	✓
SSDS5	218.3		✓	✓	✓	✓	✓	✓
SSDS6	218.0		✓	✓	✓	✓	✓	✓

✓ - Analysis completed for sample ✓ - Sample exceeds MOECC Standards

Based on the results of the chemical analysis conducted, the following sediment exceedances were noted when compared to the Sediment Standards:

- SSUS1 – Metals, PAHs
- SSUS2 – Metals, PAHs
- SSUS4 – PAHs

- SSUS5 – Metals, PAHs
- SSUS6 – Metals, PAHs
- SSDS1 – PAHs
- SSDS2 – Metals, PAHs
- SSDS4 – Metals, PAHs
- SSDS5 – Metals, PAHs

The results of the sediment chemical analysis from this Phase Two ESA are provided in Appendix E. The laboratory certificates of analysis for the 2017 investigation are provided in Appendix F. The locations of the ground water exceedances are shown on Figure 9.

6.8 Contaminants of Concern

The Contaminants of Concern associated with the earth fill on the Property are:

- 1+2-Methylnaphthalenes
- 2-Methylnaphthalene
- Barium
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Chromium
- Dibenzo(ah)anthracene
- PHC Fraction F3
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Lead
- Mercury
- Naphthalene
- SAR

The Contaminants of Concern associated with the native soil on the Property:

- Trichloroethylene
- SAR

The Contaminants of Concern associated with the sediment on the Property.

- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Cadmium
- Chromium
- Chrysene
- Copper
- Dibenzo(ah)anthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-cd)pyrene
- Lead
- Phenanthrene
- Pyrene
- Zinc

The Contaminants of Concern associated with the ground water on the Property.

- 1+2-Methylnaphthalenes
- 1-Methylnaphthalene
- 2-Methylnaphthalene
- Acenaphthene
- Anthracene
- Benzo(a)pyrene
- cis-1,2-Dichloroethylene
- Chloride
- PHC Fraction F3
- Pyrene
- Fluoranthene
- Nickel
- Phenanthrene
- Sodium
- Toluene
- Vinyl chloride

6.9 Presence of Light or Dense Non-Aqueous Phase Liquids (Ground Water)

Light non-aqueous phase liquids (LNAPL) and dense non-aqueous phase liquids (DNAPL) were not detected in the ground water on the Property.

6.10 Quality Assurance and Quality Control Results

In general, samples were handled in accordance with the Analytical Protocol with respect to holding time, preservation method, storage requirement and sample container type. Laboratory results were compared to MOECC standards for quality control under Ontario Regulation 153 which require laboratory results to meet specific method detection limit (MDL) requirements. The sampling and analyses performed conformed with the following:

- Ministry of the Environment Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario.
- Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.I of the Environmental Protection Act of Ontario.

Trip blanks submitted with the groundwater samples did not show any evidence of contamination.

The results for several of the soils samples analysed from the 2008, 2009 and 2017 investigations indicated that the method detection limits exceeded the Site Condition Standards. These exceedances typically occurred in the soil samples with high moisture contents ranging from 54% to 83%.

The objectives of the investigation were met and overall quality of the field data from the investigation did not affect the outcome of the investigation. All laboratory Certificates of Analysis for the 2017 investigation are provided in Appendix F.

7.0 CONCLUSIONS

The conclusions arising from the Phase Two ESA are as follows:

- The applicable Ontario Ministry of the Environment and Climate Change (MOECC) Standards for the Property are:
    - Parcel A (land beyond 30 m of creek) – Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Intuitional Land Use (Table 2 RPI)
    - Parcel B (land within 30 m of creek) – Table 1 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Intuitional Land Use (Table 1 RPI)
    - Bunkers Creek Bed (creek bed) – Sediment Full Depth Generic Site Condition Standards for All Types of Property Use (Sediment Standard)
- The geology at the Property consists of fill soils generally comprising sandy silt with traces of gravel, natural organics, cinders and brick fragments. Underlying the fill layer, peat material consisting of woody fibres and decayed organics followed by native sand soils were encountered.
- No bedrock was encountered during the drilling. Based on the Phase One ESA, bedrock of the Shadow Lake Formation is present beyond 50 m bgs.
- The ground water table was present in the fill material approximately 0.5 m to 3 m below the existing ground surface.
- Soil samples from the fill material and native soil as well as ground water samples were analysed for PHCs, PAHs, VOCs and metals and inorganic parameters.
- Applicable Site Condition Standards were **not** met in the fill material for PHCs, PAHs and Metals.
- Applicable Site Condition Standards were **not** met in the the native soils for SAR and VOCs.
- Applicable Site Condition Standards were **not** met in the sediment for Metals and PAHs.
- Applicable Site Condition Standards were **not** met in the in the ground water for Sodium, Chloride, Metals, PAHs, PHCs and VOCs.

Based on the above, exceedances of the applicable Site Condition Standards are present in the earth fill, native soils, ground water and sediment on the Property. Either remediation or a Risk Assessment will be required before a Record of Site Condition (RCS) can be filed for the Property. It is not considered feasible to remediate the Property to meet the generic site condition standards due to the following factors:

- Extensive volume of impacted fill materials and native soils found across the entire Property.
- Extensive shallow ground water contamination at the property.
- High water table conditions which will require further evaluation of risks from the contaminants
- Any soils excavated from the Property would have to be replaced with clean soil material to maintain site grades, which may not be feasible for development.

As a result of these factors, the most appropriate method for obtaining an RSC for the Property will be through the Risk Assessment process. The Phase Two ESA has sufficiently delineated the horizontal extent of subsurface impacts at the Property. The Phase Two ESA has also sufficiently delineated the vertical extent of subsurface impacts on the majority of the Property, with the exception of the east portion. Additional investigation to sufficiently delineate the ground water impacts on the east portion of the Property may be required to satisfy the requirements for a Risk Assessment and RSC.

We trust this report meets with your requirements. Should you have any questions regarding the information presented, please do not hesitate to contact our office.

Yours truly,

Terraprobe Inc.

Suvish Melanta, P.Eng., QP_{ESA}
Environmental Engineer

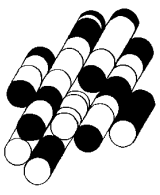
Matthew J. Bielaski, P.Eng., QP_{RA}
Associate

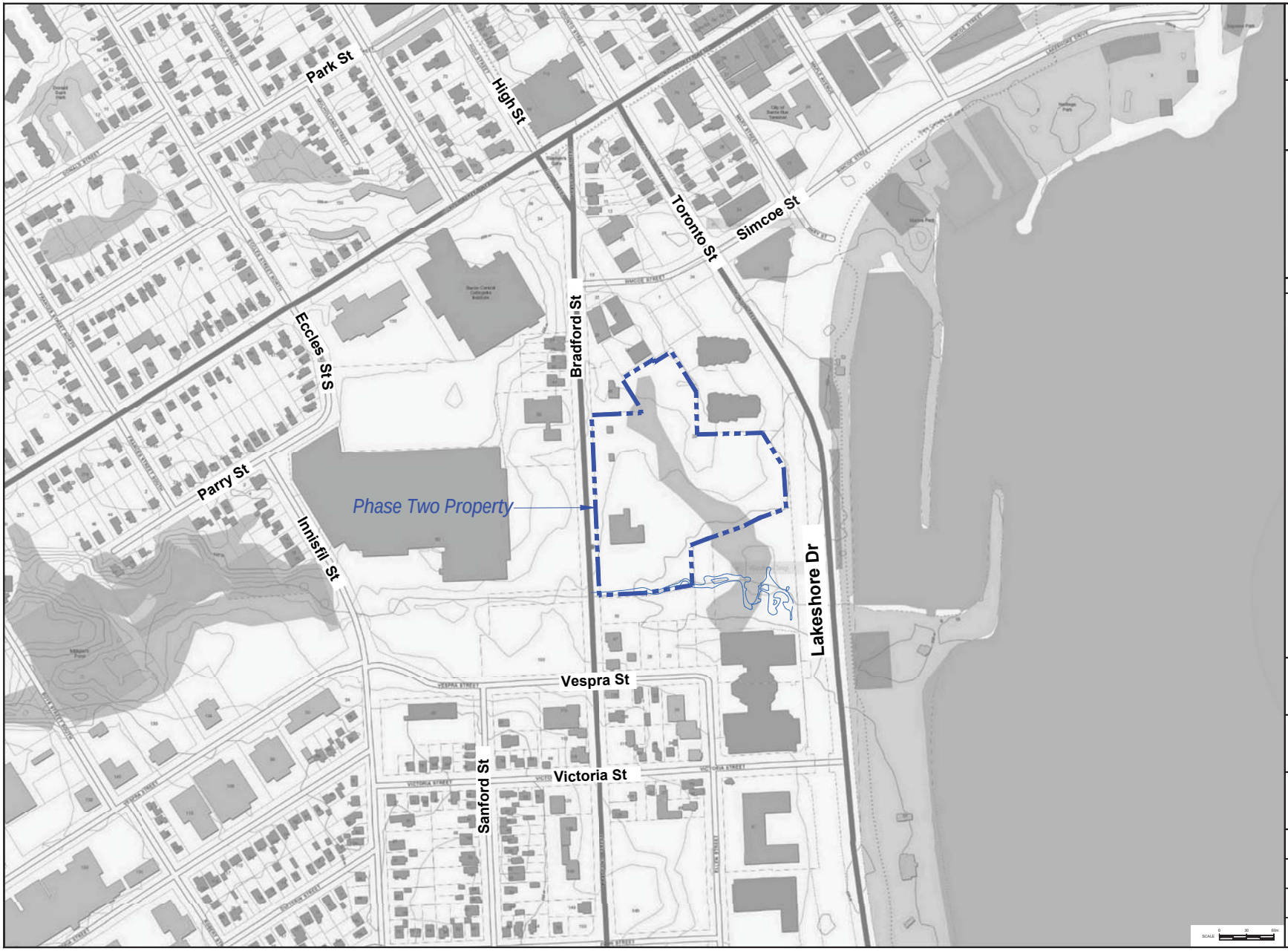
8.0 REFERENCES

1. Ontario Geological Survey, 1980. Quaternary Geology: Toronto and Surrounding Area, Southern Ontario. Ontario Geological Survey Preliminary Map P.2204, scale 1:100,000.
2. Ontario Geological Survey, 1991. Bedrock geology of Ontario, southern sheet; Ontario Geological Survey, Map 2544, scale 1:1,000,000.
3. Terraprobe Inc., August 11, 2008. *Phase I Environmental Site Assessment, Proposed Blue Sails Development, PIN58995-554/0565/0031/0030/0276(LT) & PINS 58795-0143(R), Part Lot 24 & 25, Concession 5, Formerly Vespra Township, City of Barrie, Ontario.*
4. Terraprobe Inc., May 28, 2010. *Revised Phase II Environmental Site Assessment, Proposed Blue Sails Development, 51-75 Bradford Street, Barrie, Ontario*.
5. NovaTox Inc. August 31, 2010. *Risk Assessment for 51-75 Bradford Street, Barrie, Ontario – IDS Ref. No. 4730-823K2U.*
6. Terraprobe Inc., August 24, 2017. *Phase I Environmental Site Assessment, 51-75 Bradford Street, Barrie, Ontario*

FIGURES

TERRAPROBE INC.





Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Interactive Maps-
County of Simcoe

Notes:

Legend:

- Phase Two Property Boundary
- Watercourse

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
PHASE ONE PROPERTY LOCATION

Designed By: SM	*File No.:* 1-17-0147-42
Drawn By: MV	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 1
Date: August 2017	

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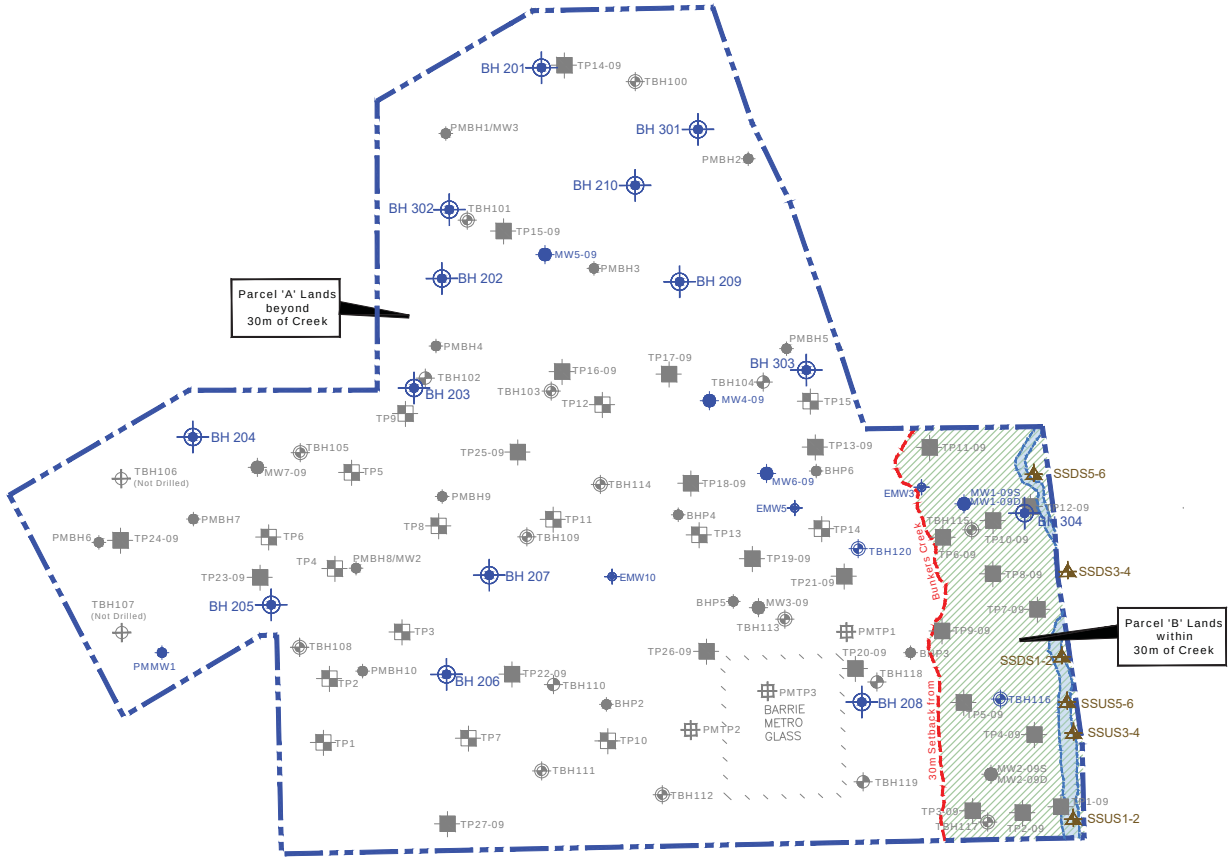

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Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Title: Plan of Lots A, B, C, D, E, F, G & 11, Registered Plan M-204, City of Toronto
Client: 875 Queen Lofts Inc. c/o Harhay Construction Management Ltd.
Plan No: LSG-0180-1
Prepared By: Land Survey Group, OLS
Dated: July 17, 2014

Notes:

Blue = Monitoring Well Present Onsite as of June, 2017

Legend:

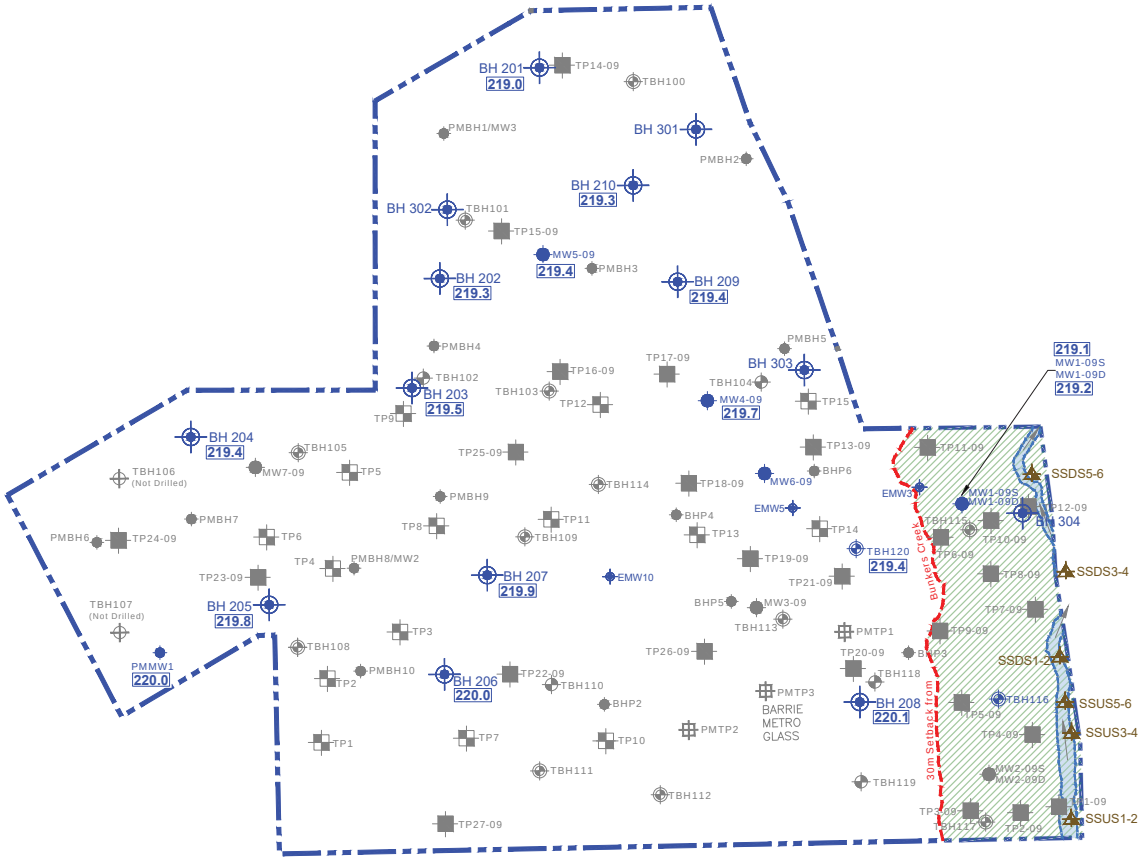
- Property Boundary
- Terraprobe Boreholes 2008
- Terraprobe Monitoring Wells 2008
- Terraprobe Test Pits 2008
- Peto MacCallum Borehole
- Peto MacCallum Test Pits
- Terraprobe Test Pits 2009
- Terraprobe Monitoring Wells 2009
- MW1-09S Shallow Well
- MW1-09D Deep Well
- Terraprobe Borehole/Monitoring Well 2017
- Monitoring Well by Others
- Sediment Sample Location
- Lands Within 30 m of Creek (Parcel B Lands)

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
SITE PLAN AND SAMPLING LOCATIONS

Designed By: SM	*File No.:* 1-17-0147-42
Drawn By: SK	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 2
Date: August 2017	



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Terraprobe Inc.
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11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

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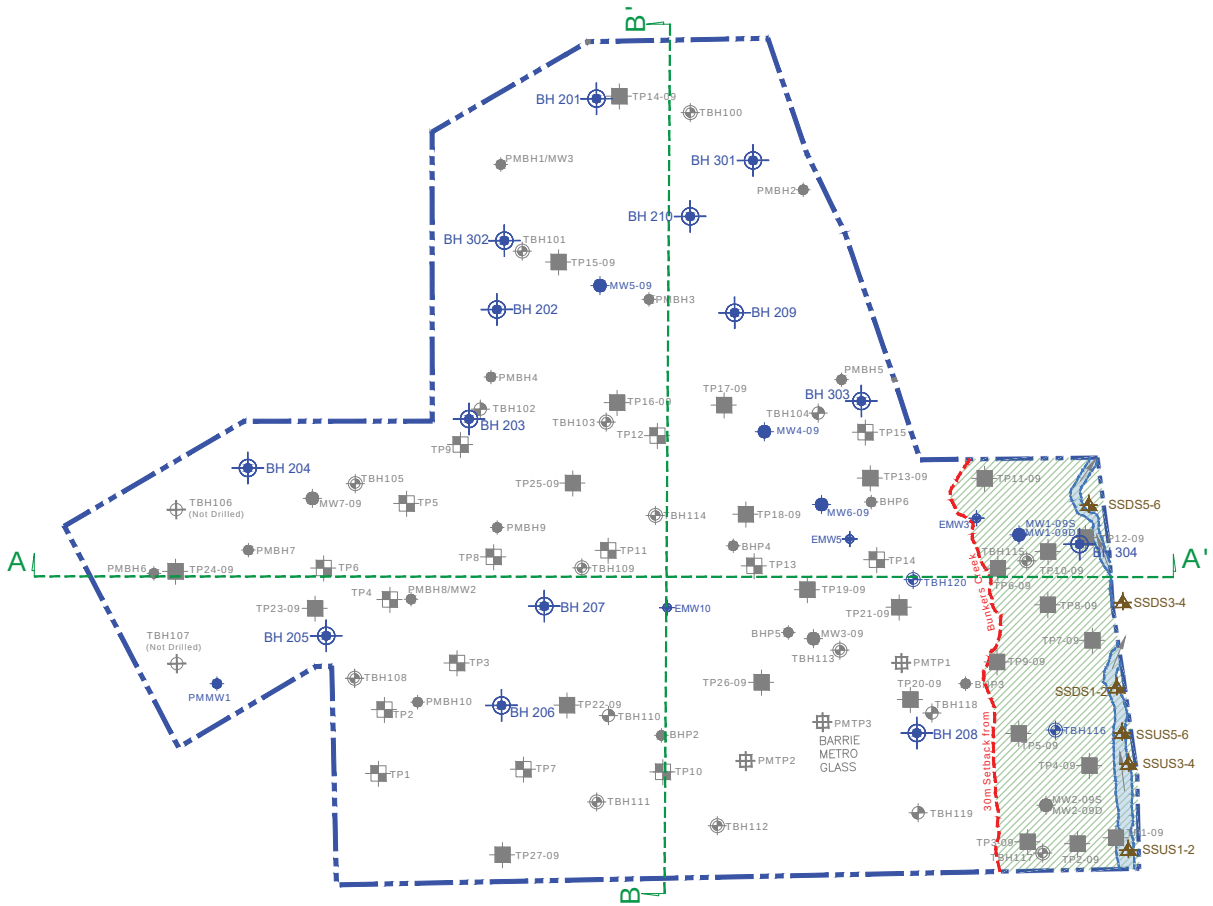
- Terraprobe Test Pits 2009
- Terraprobe Monitoring Wells 2009
- MW1-09S — Shallow Well
- MW1-09D — Deep Well
- Terraprobe Borehole/Monitoring Well 2017
- Monitoring Well by Others
- Sediment Sample Location
- Lands Within 30 m of Creek (Parcel B Lands)
- 219.0 — Ground Water Level (masl), June 19, 2017

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
GROUND WATER ELEVATIONS

Designed By: SM	*File No.:* 1-17-0147-42
Drawn By: SK	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 3
Date: August 2017	



Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
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Prepared By: Land Survey Group, OLS
Dated: July 17, 2014

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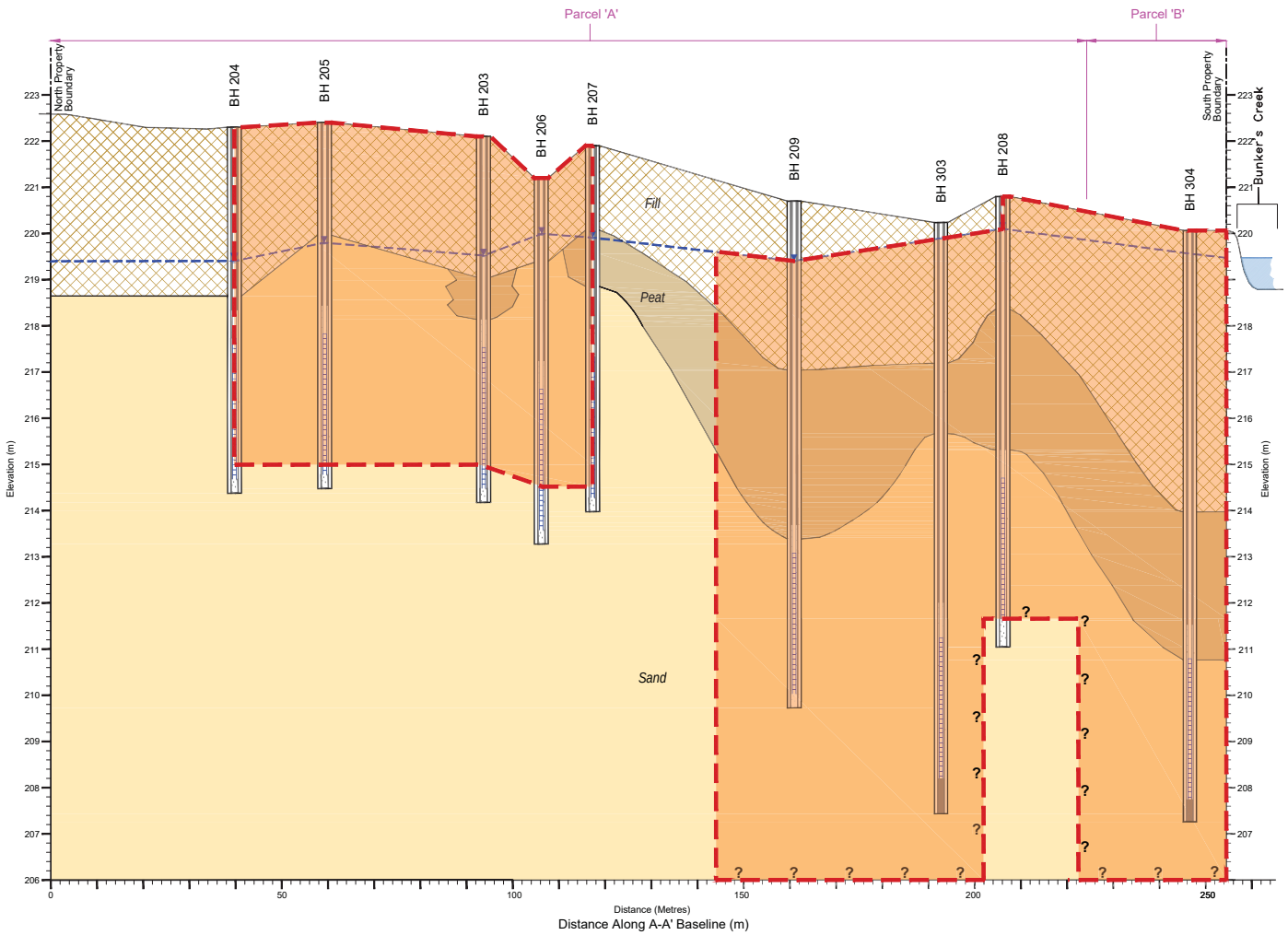
- MW1-09D Deep Well
- Terraprobe Borehole/Monitoring Well 2017
- Monitoring Well by Others
- Sediment Sample Location
- Lands Within 30 m of Creek (Parcel B Lands)

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
CROSS SECTON LOCATIONS

Designed By: SM	*File No.:* 1-17-0147-42
Drawn By: SK	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 4
Date: August 2017	



Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:

Notes:

Legend:

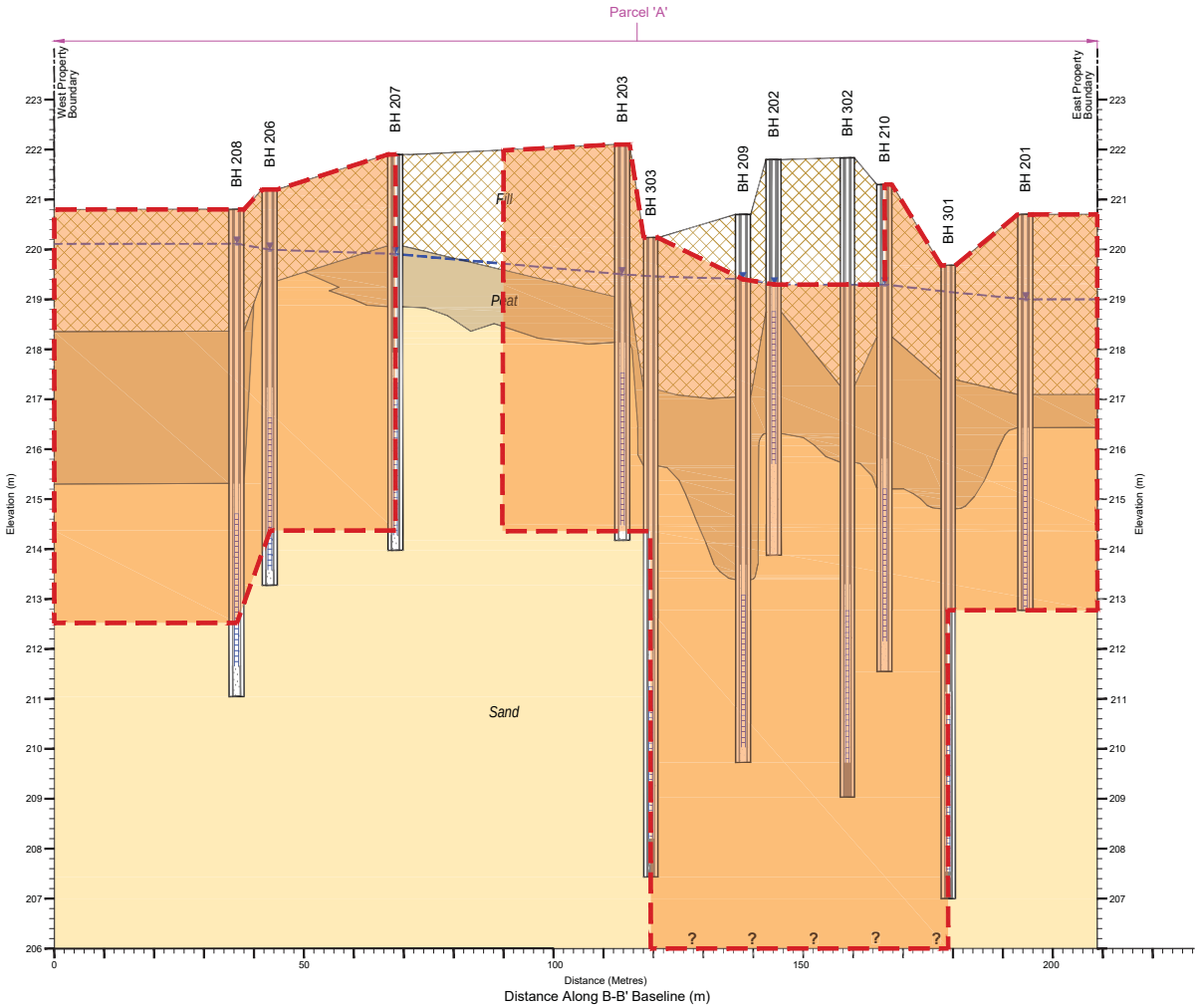
- Property Boundary
- Fill
- Peat
- Sand
- Monitoring Well Screen
- Ground Water Level (masl), June 19, 2017
- Approximate Extent of Subsurface Contamination (Soil and/or Ground Water)
- ? ? ? Vertical Extent of Subsurface Contamination Unknown

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
SITE STRATIGRAPHY
CROSS SECTION A-A'

Designed By: SM	File No.: 1-17-0147-42
Drawn By: SK	Scale: As Shown
Reviewed By: MB	Figure No.: 5
Date: August 2017	



Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:

Notes:

Legend:

- Property Boundary
- Fill
- Peat
- Sand
- Monitoring Well Screen
- Ground Water Level (masl), June 19, 2017
- Approximate Extent of Subsurface Contamination (Soil and/or Ground Water)
- ? ? ? Vertical Extent of Subsurface Contamination Unknown

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
SITE STRATIGRAPHY
CROSS SECTION B-B'

Designed By: SM	File No.: 1-17-0147-42
Drawn By: SK	Scale: As Shown
Reviewed By: MB	Figure No.: 6
Date: August 2017	

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP6 SA1	218.50	Vanadium (V)	86	110
TP6 SA1	218.50	F1 (C6-C10)	25	81
TP6 SA1	218.50	F1 (C6-C10) - BTEX	25	81
TP6 SA1	218.50	F2 (C10-C16 Hydrocarbons)	10	140

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP7 SA1	218.50	Antimony (Sb)	1.3	2.3
TP7 SA1	218.50	Cadmium (Cd)	1.2	3
TP7 SA1	218.50	Chromium (Cr)	70	120
TP7 SA1	218.50	Copper (Cu)	92	220
TP7 SA1	218.50	Lead (Pb)	120	320
TP7 SA1	218.50	Molybdenum (Mo)	2	9.3
TP7 SA1	218.50	Nickel (Ni)	82	1500
TP7 SA1	218.50	Selenium (Se)	1.5	2.6
TP7 SA1	218.50	Zinc (Zn)	290	830
TP7 SA1	218.50	Conductivity	0.57	2
TP7 SA1	218.50	Free Cyanide	0.051	1.7
TP7 SA1	218.50	Mercury (Hg)	0.27	0.47

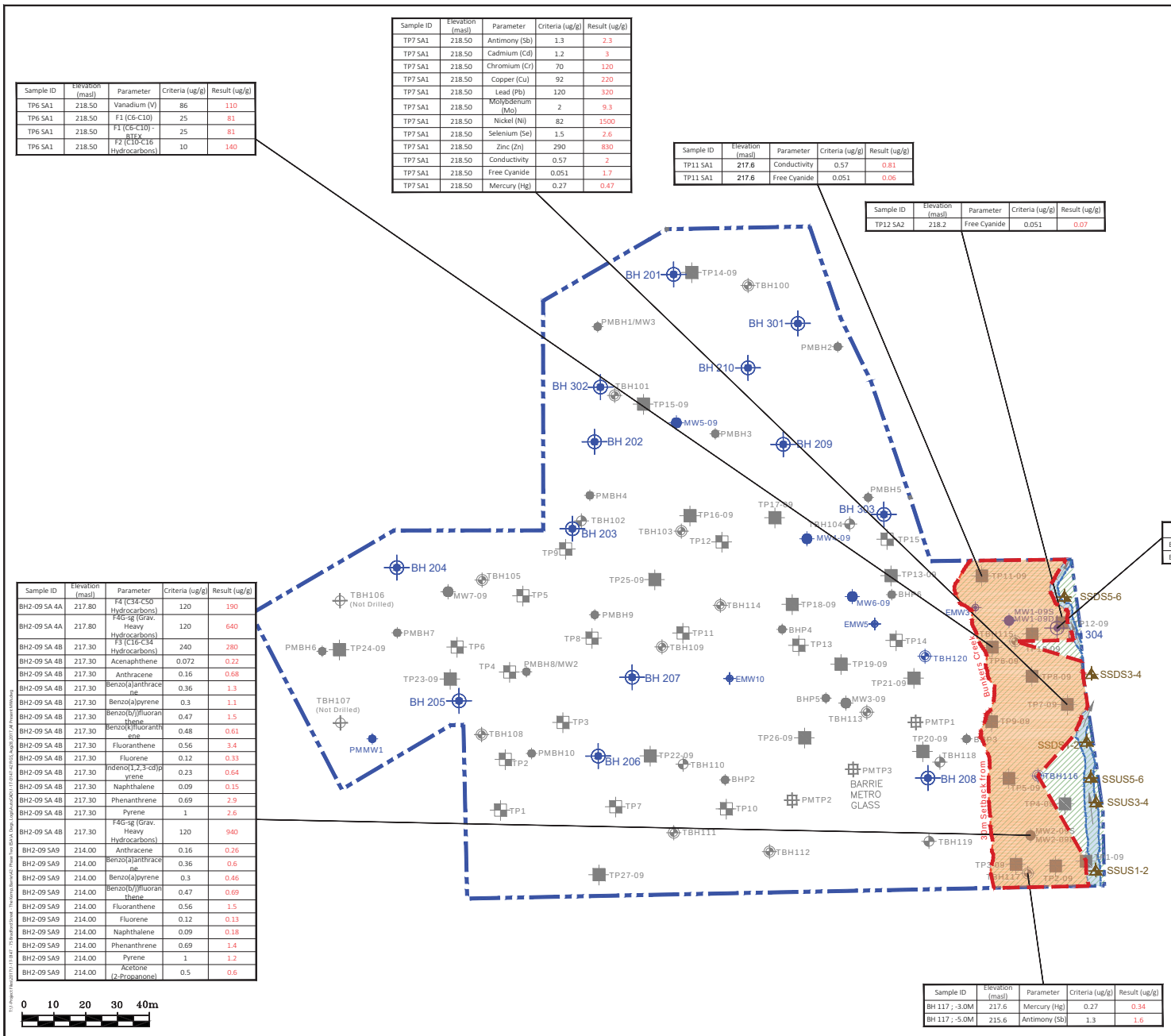
Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP11 SA1	217.6	Conductivity	0.57	0.81
TP11 SA1	217.6	Free Cyanide	0.051	0.06

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP12 SA2	218.2	Free Cyanide	0.051	0.07

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH304 SA1	219.8	Lead	120	294
BH304 SA1	219.8	Mercury	0.27	0.528

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH2-09 SA 4A	217.80	F4 (C34-C50 Hydrocarbons)	120	190
BH2-09 SA 4A	217.80	F4G-sg (Grav. Heavy Hydrocarbons)	120	640
BH2-09 SA 4B	217.30	F3 (C16-C34 Hydrocarbons)	240	280
BH2-09 SA 4B	217.30	Acenaphthene	0.072	0.22
BH2-09 SA 4B	217.30	Anthracene	0.16	0.68
BH2-09 SA 4B	217.30	Benzo(a)anthracene	0.36	1.3
BH2-09 SA 4B	217.30	Benzo(a)pyrene	0.3	1.1
BH2-09 SA 4B	217.30	Benzo(b/j)fluoranthene	0.47	1.5
BH2-09 SA 4B	217.30	Benzo(k)fluoranthene	0.48	0.61
BH2-09 SA 4B	217.30	Fluoranthene	0.56	3.4
BH2-09 SA 4B	217.30	Fluorene	0.12	0.33
BH2-09 SA 4B	217.30	Indeno(1,2,3-cd)pyrene	0.23	0.64
BH2-09 SA 4B	217.30	Naphthalene	0.09	0.15
BH2-09 SA 4B	217.30	Phenanthrene	0.69	2.9
BH2-09 SA 4B	217.30	Pyrene	1	2.6
BH2-09 SA 4B	217.30	F4G-sg (Grav. Heavy Hydrocarbons)	120	940
BH2-09 SA9	214.00	Anthracene	0.16	0.26
BH2-09 SA9	214.00	Benzo(a)anthracene	0.36	0.6
BH2-09 SA9	214.00	Benzo(a)pyrene	0.3	0.46
BH2-09 SA9	214.00	Benzo(b/j)fluoranthene	0.47	0.69
BH2-09 SA9	214.00	Fluoranthene	0.56	1.5
BH2-09 SA9	214.00	Fluorene	0.12	0.13
BH2-09 SA9	214.00	Naphthalene	0.09	0.18
BH2-09 SA9	214.00	Phenanthrene	0.69	1.4
BH2-09 SA9	214.00	Pyrene	1	1.2
BH2-09 SA9	214.00	Acetone (2-Propanone)	0.5	0.6

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH 117 ; -3.0M	217.6	Mercury (Hg)	0.27	0.34
BH 117 ; -5.0M	215.6	Antimony (Sb)	1.3	1.6



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Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Title: Plan of Lots A, B, C, D, E, F, G & 11, Registered Plan M-204, City of Toronto
Client: 875 Queen Lofts Inc. c/o Harhay Construction Management Ltd.
Plan No: LSG-0180-1
Prepared By: Land Survey Group, OLS
Dated: July 17, 2014

Notes:
2011 MOECC Table 1 Residential/Parkland/Institutional Property Use, Coarse Textured Soils

Figure does not show results where Detection Limit > Criteria

Blue = Monitoring Well Present Onsite as of June, 2017

Legend:
- Property Boundary
- Terraprobe Boreholes 2008
- Terraprobe Monitoring Wells 2008
- Terraprobe Test Pits 2008
- Peto MacCallum Borehole
- Peto MacCallum Test Pits
- Terraprobe Test Pits 2009
- Terraprobe Monitoring Wells 2009
- MW1-09S Shallow Well
- MW1-09D Deep Well
- Terraprobe Borehole/Monitoring Well 2017
- Monitoring Well by Others
- Sediment Sample Location
- Lands Within 30 m of Creek (Parcel B Lands)
- Extent of Soil Contaminated with One or More Contaminant

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
TABLE 1 STANDARD
SOIL EXCEEDANCE LOCATIONS

Designed By: SM	*File No.:* 1-17-0147-42
Drawn By: SK	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 7
Date: August 2017	

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP15 S1	216.9	Lead (Pb)	120	190
TP15 S1	216.9	Hot Water Ext. Boron (B)	1.5	2.9
TP15 S1	216.9	Acenaphthylene	0.15	0.51
TP15 S1	216.9	Anthracene	0.67	6.7
TP15 S1	216.9	Benzo(a)anthracene	0.5	19
TP15 S1	216.9	Benzo(a)pyrene	0.3	15
TP15 S1	216.9	Benzo(b/j)fluoranthene	0.78	17
TP15 S1	216.9	Benzo(g,h,i)perylene	6.6	8.4
TP15 S1	216.9	Benzo(k)fluoranthene	0.78	7.7
TP15 S1	216.9	Chrysene	7	14
TP15 S1	216.9	Dibenz(a,h)anthracene	0.1	2.6
TP15 S1	216.9	Fluoranthene	0.69	46
TP15 S1	216.9	Indeno(1,2,3-cd)pyrene	0.38	10
TP15 S1	216.9	Phenanthrene	6.2	18
TP15 S1	216.9	Mercury (Hg)	0.27	1.6

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH5-09 SA6	218.45	F3 (C16-C34 Hydrocarbons)	300	370

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP16 SA2	216.5	Fluoranthene	0.69	0.71

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH203-SS6	218.8	F3	300	756

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH 114 ; -1.0M	219.1	Acid Extractable Lead (Pb)	120	160

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP9:SA3 (-2.5M)	219.5	Acid Extractable Barium (Ba)	390	630
TP9:SA3 (-2.5M)	219.5	Acid Extractable Chromium (Cr)	160	300
TP9:SA3 (-2.5M)	219.5	Acid Extractable Lead (Pb)	120	250

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH 105(-2.0M)	220.3	Acid Extractable Chromium (Cr)	160	330

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP24 SA1	220.3	Conductivity	0.7	0.9

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP6:SA2 (-1.4M)	221.5	Acid Extractable Arsenic (As)	18	29
TP6:SA2 (-1.4M)	221.5	Acid Extractable Barium (Ba)	390	520
TP6:SA2 (-1.4M)	221.5	Acid Extractable Chromium (Cr)	160	510
TP6:SA2 (-1.4M)	221.5	Acid Extractable Lead (Pb)	120	140

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP23 SA1	221.5	Chromium (Cr)	160	1400
TP23 SA1	221.5	Zinc (Zn)	340	380
TP23 SA1	221.5	Conductivity	0.7	0.72

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH205-SS2	221.49	Benzo(a)anthracene	0.5	0.974
BH205-SS2	221.49	Benzo(a)pyrene	0.3	0.842
BH205-SS2	221.49	Benzo(b)fluoranthene	0.78	1.14
BH205-SS2	221.49	Dibenzo(ah)anthracene	0.1	0.143
BH205-SS2	221.49	Fluoranthene	0.69	2.7
BH205-SS2	221.49	Indeno(1,2,3-cd)pyrene	0.38	0.54

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP14 SA2	215.6	Hot Water Ext. Boron (B)	1.5	3
TP14 SA2	215.6	Conductivity	0.7	0.73
TP14 SA2	215.6	Free Cyanide	0.051	0.13

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH201-SS8	216.13	Trichloroethylene	0.061	0.065
BH201-SS12	213.69	SAR	5.000	5.260

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH210-SS1	221	Benzo(a)pyrene	0.30	0.367

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP12:SA2 (-2.0M)	219.5	F1 (C6-C10)	55	94
TP12:SA2 (-2.0M)	219.5	F1 (C6-C10) - BTEX	55	94
TP12:SA2 (-2.0M)	219.5	F2 (C10-C16 Hydrocarbons)	98	4100
TP12:SA2 (-2.0M)	219.5	F3 (C16-C34 Hydrocarbons)	300	2700
TP12:SA2 (-2.0M)	219.5	1-Methylnaphthalene	0.99	3
TP12:SA2 (-2.0M)	219.5	2-Methylnaphthalene	0.99	2
TP12:SA2 (-2.0M)	219.5	Naphthalene	0.6	1.1

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP18 SA2	219.4	cis-1,2-Dichloroethylene	1.9	2.7
TP18 SA2	219.4	Vinyl Chloride	0.02	0.05
TP18 SA2	219.4	F3 (C16-C34 Hydrocarbons)	300	370
TP18 SA2	219.4	Hot Water Ext. Boron (B)	1.5	3.5

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP13:SA2 (-1.0M)	221	Acid Extractable Lead (Pb)	120	160
TP13:SA2 (-1.0M)	221	1-Methylnaphthalene	0.99	1.1
TP13:SA2 (-1.0M)	221	2-Methylnaphthalene	0.99	1.7
TP13:SA2 (-1.0M)	221	Naphthalene	0.6	0.65

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH6-09 SA3	218.5	Antimony (Sb)	7.5	49
BH6-09 SA3	218.5	Cadmium (Cd)	1.2	5.8
BH6-09 SA3	218.5	Lead (Pb)	120	2500
BH6-09 SA3	218.5	F3 (C16-C34 Hydrocarbons)	300	4100

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP19 SA1	219.9	Lead (Pb)	120	180
TP19 SA1	219.9	F1 (C6-C10)	55	92
TP19 SA1	219.9	F1 (C6-C10) - BTEX	55	86
TP19 SA1	219.9	F2 (C10-C16 Hydrocarbons)	98	160
TP19 SA1	219.9	F3 (C16-C34 Hydrocarbons)	300	8800
TP19 SA1	219.9	Benzene	0.21	0.28
TP19 SA1	219.9	Total Xylenes	3.1	4.1
TP19 SA1	219.9	Benzo(a)anthracene	0.5	0.6
TP19 SA1	219.9	Benzo(a)pyrene	0.3	0.37
TP19 SA1	219.9	Fluoranthene	0.69	1.3
TP19 SA1	219.9	1-Methylnaphthalene	0.99	6.3
TP19 SA1	219.9	2-Methylnaphthalene	0.99	8.3
TP19 SA1	219.9	Naphthalene	0.6	5.8
TP19 SA1	219.9	Conductivity	0.7	0.83

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP14:SA3 (-2.5M)	217.8	F3 (C16-C34 Hydrocarbons)	300	420

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH120 ; -1.5M	218.8	F3 (C16-C34 Hydrocarbons)	300	1100

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP21 SA2	217.8	Hot Water Ext. Boron (B)	1.5	4.9
TP21 SA3	213.3	F1 (C6-C10)	55	320
TP21 SA3	213.3	F1 (C6-C10) - BTEX	55	320
TP21 SA3	213.3	F2 (C10-C16 Hydrocarbons)	98	600
TP21 SA3	213.3	F3 (C16-C34 Hydrocarbons)	300	1700
TP21 SA3	213.3	Fluoranthene	0.69	2.8

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH 113 ; -0.75M	219.85	Acid Extractable Mercury (Hg)	0.27	0.71
BH 113 ; -0.75M	219.85	F3 (C16-C34 Hydrocarbons)	300	500
BH 113 ; -1.5M	219.1	Acid Extractable Antimony (Sb)	7.5	130
BH 113 ; -1.5M	219.1	Acid Extractable Copper (Cu)	140	290
BH 113 ; -1.5M	219.1	Acid Extractable Lead (Pb)	120	1500

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH208-SS4	218.67	Benzo(a)pyrene	0.3	0.375
BH208-SS4	218.67	Fluoranthene	0.69	1.06
BH208-SS4	218.67	1+2-Methylnaphthalenes	0.99	2.32
BH208-SS4	218.67	2-Methylnaphthalene	0.99	1.36
BH208-SS4	218.67	Naphthalene	0.6	0.891

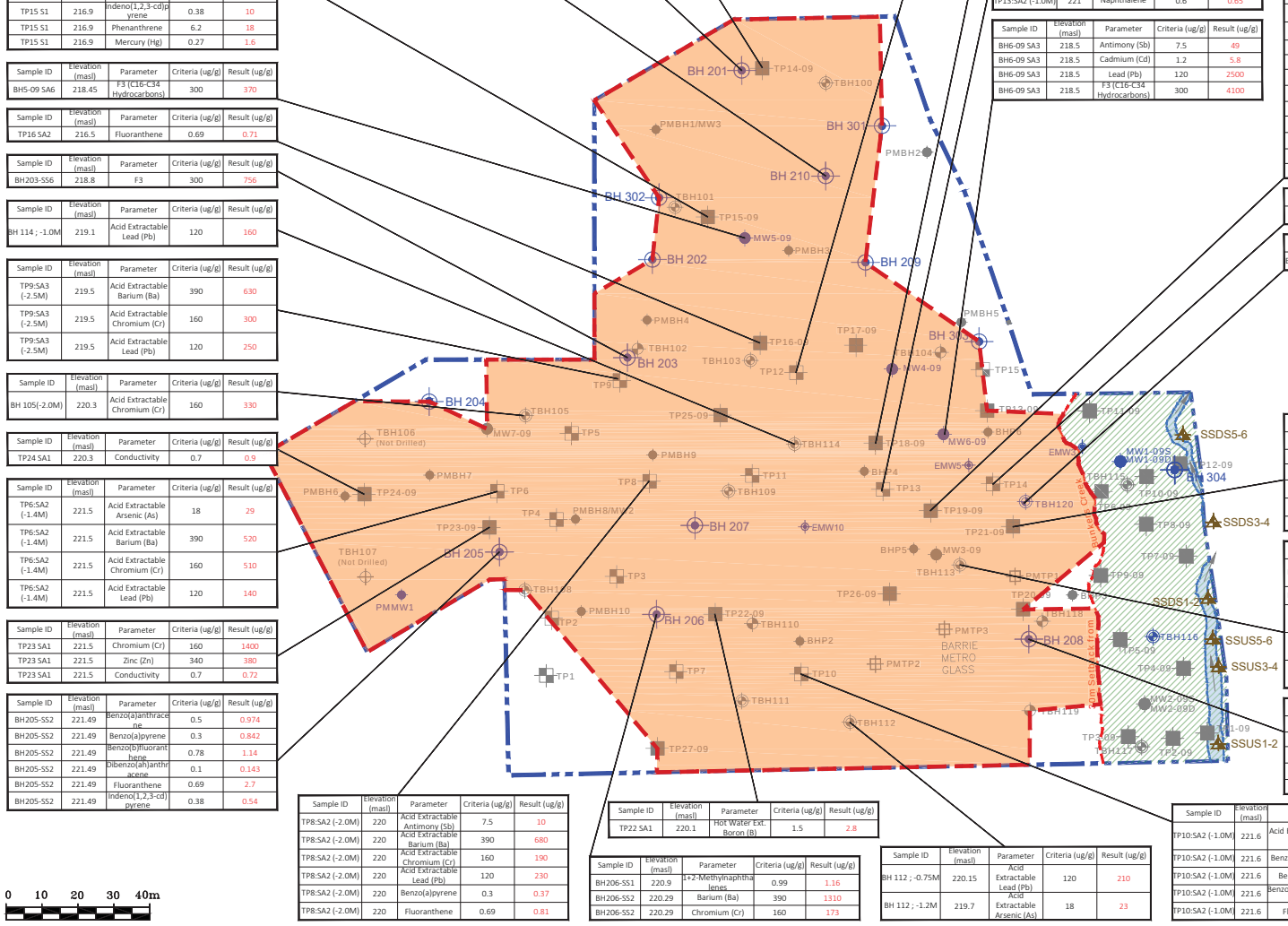
Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP8:SA2 (-2.0M)	220	Acid Extractable Antimony (Sb)	7.5	10
TP8:SA2 (-2.0M)	220	Acid Extractable Barium (Ba)	390	680
TP8:SA2 (-2.0M)	220	Acid Extractable Chromium (Cr)	160	190
TP8:SA2 (-2.0M)	220	Acid Extractable Lead (Pb)	120	230
TP8:SA2 (-2.0M)	220	Benzo(a)pyrene	0.3	0.37
TP8:SA2 (-2.0M)	220	Fluoranthene	0.69	0.81

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP22 SA1	220.1	Hot Water Ext. Boron (B)	1.5	2.8

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH206-SS1	220.9	1+2-Methylnaphthalenes	0.99	1.16
BH206-SS2	220.29	Barium (Ba)	390	1310
BH206-SS2	220.29	Chromium (Cr)	160	173

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
BH 112 ; -0.75M	220.15	Acid Extractable Lead (Pb)	120	210
BH 112 ; -1.2M	219.7	Acid Extractable Arsenic (As)	18	23

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
TP10:SA2 (-1.0M)	221.6	Acid Extractable Lead (Pb)	120	130
TP10:SA2 (-1.0M)	221.6	Benzo(a)anthracene	0.5	0.85
TP10:SA2 (-1.0M)	221.6	Benzo(a)pyrene	0.3	0.71
TP10:SA2 (-1.0M)	221.6	Benzo(b/j)fluoranthene	0.78	0.83
TP10:SA2 (-1.0M)	221.6	Fluoranthene	0.69	1.8



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Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Title: Plan of Lots A, B, C, D, E, F, G & 11, Registered Plan M-204, City of Toronto
Client: 875 Queen Lofts Inc. c/o Harhay Construction Management Ltd.
Plan No: LSG-0180-1
Prepared By: Land Survey Group, OLS
Dated: July 17, 2014

Notes:
2011 MOECC Table 2 Residential/Parkland/Institutional Property Use, Coarse Textured Soils

Figure does not show results where Detection Limit > Criteria

Blue = Monitoring Well Present Onsite as of June, 2017

Legend:

- Property Boundary
- Terraprobe Boreholes 2008
- Terraprobe Monitoring Wells 2008
- Terraprobe Test Pits 2008
- Peto MacCallum Borehole
- Peto MacCallum Test Pits
- Terraprobe Test Pits 2009
- Terraprobe Monitoring Wells 2009
- MW1-09S Shallow Well
- MW1-09D Deep Well
- Terraprobe Borehole/Monitoring Well 2017
- Monitoring Well by Others
- Sediment Sample Location
- Lands Within 30 m of Creek (Parcel B Lands)
- Extent of Soil Contaminated with One or More Contaminant

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
TABLE 2 STANDARD
SOIL EXCEEDANCE LOCATIONS

Designed By: SM	File No.: 1-17-0147-42
Drawn By: SK	Scale: As Shown
Reviewed By: MB	Figure No.: 8
Date: August 2017	

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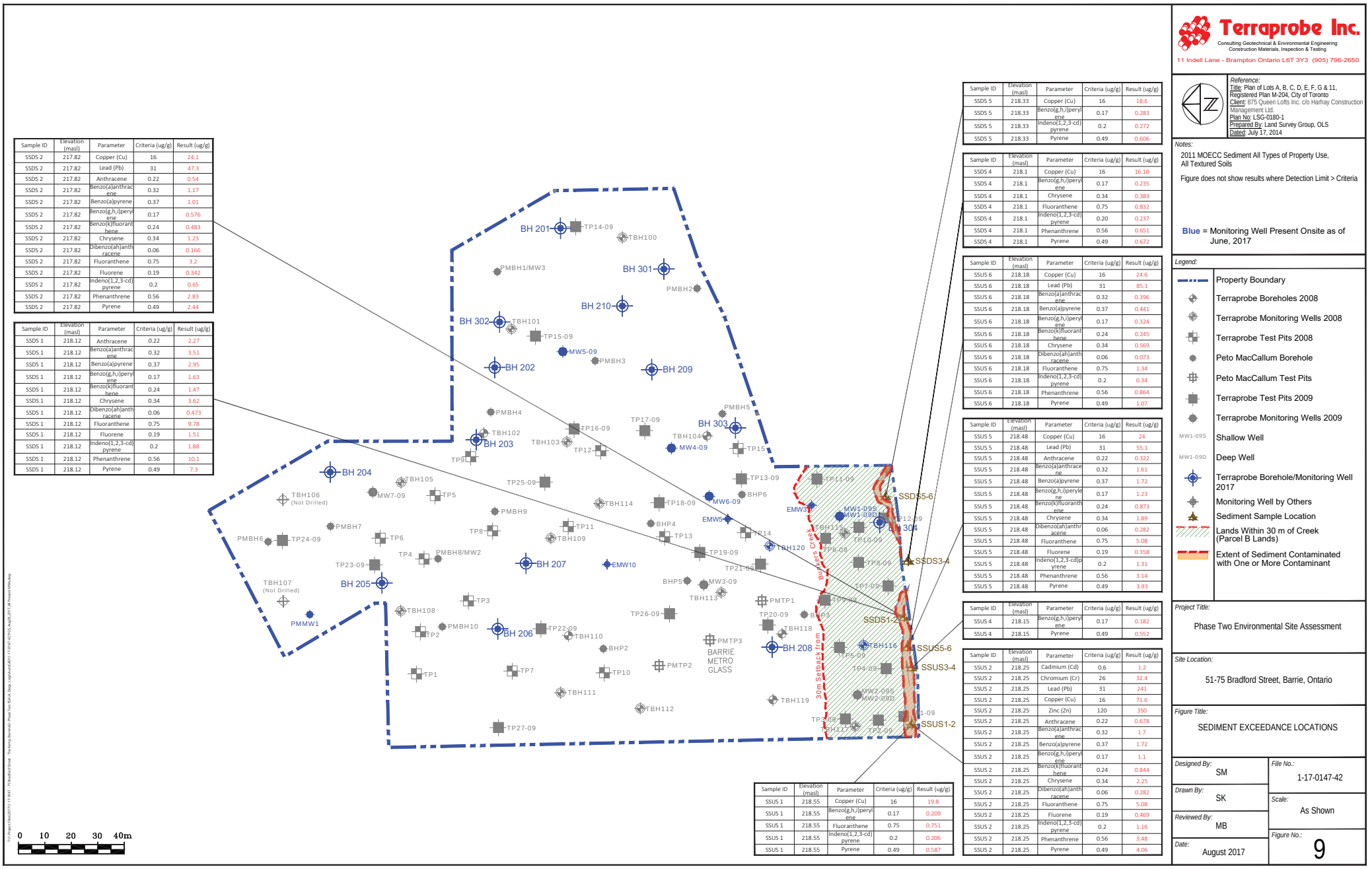

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSDS 2	217.82	Copper (Cu)	16	24.1
SSDS 2	217.82	Lead (Pb)	31	47.3
SSDS 2	217.82	Anthracene	0.22	0.54
SSDS 2	217.82	Benzo(a)anthracene	0.32	1.17
SSDS 2	217.82	Benzo(a)pyrene	0.37	1.01
SSDS 2	217.82	Benzo(g,h,i)perylene	0.17	0.576
SSDS 2	217.82	Benzo(k)fluoranthene	0.24	0.483
SSDS 2	217.82	Chrysene	0.34	1.23
SSDS 2	217.82	Dibenzo(ah)anthracene	0.06	0.166
SSDS 2	217.82	Fluoranthene	0.75	3.2
SSDS 2	217.82	Fluorene	0.19	0.342
SSDS 2	217.82	Indeno(1,2,3-cd)pyrene	0.2	0.65
SSDS 2	217.82	Phenanthrene	0.56	2.83
SSDS 2	217.82	Pyrene	0.49	2.44

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSDS 1	218.12	Anthracene	0.22	2.27
SSDS 1	218.12	Benzo(a)anthracene	0.32	3.51
SSDS 1	218.12	Benzo(a)pyrene	0.37	2.95
SSDS 1	218.12	Benzo(g,h,i)perylene	0.17	1.63
SSDS 1	218.12	Benzo(k)fluoranthene	0.24	1.47
SSDS 1	218.12	Chrysene	0.34	3.62
SSDS 1	218.12	Dibenzo(ah)anthracene	0.06	0.473
SSDS 1	218.12	Fluoranthene	0.75	9.78
SSDS 1	218.12	Fluorene	0.19	1.51
SSDS 1	218.12	Indeno(1,2,3-cd)pyrene	0.2	1.88
SSDS 1	218.12	Phenanthrene	0.56	10.1
SSDS 1	218.12	Pyrene	0.49	7.3

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSUS 1	218.55	Copper (Cu)	16	19.8
SSUS 1	218.55	Benzo(g,h,i)perylene	0.17	0.209
SSUS 1	218.55	Fluoranthene	0.75	0.751
SSUS 1	218.55	Indeno(1,2,3-cd)pyrene	0.2	0.206
SSUS 1	218.55	Pyrene	0.49	0.587

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSDS 5	218.33	Copper (Cu)	16	18.6
SSDS 5	218.33	Benzo(g,h,i)perylene	0.17	0.283
SSDS 5	218.33	Indeno(1,2,3-cd)pyrene	0.2	0.272
SSDS 5	218.33	Pyrene	0.49	0.606

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSDS 4	218.1	Copper (Cu)	16	16.10
SSDS 4	218.1	Benzo(g,h,i)perylene	0.17	0.235
SSDS 4	218.1	Chrysene	0.34	0.383
SSDS 4	218.1	Fluoranthene	0.75	0.832
SSDS 4	218.1	Indeno(1,2,3-cd)pyrene	0.20	0.237
SSDS 4	218.1	Phenanthrene	0.56	0.651
SSDS 4	218.1	Pyrene	0.49	0.672

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSUS 6	218.18	Copper (Cu)	16	24.6
SSUS 6	218.18	Lead (Pb)	31	85.1
SSUS 6	218.18	Benzo(a)anthracene	0.32	0.396
SSUS 6	218.18	Benzo(a)pyrene	0.37	0.441
SSUS 6	218.18	Benzo(g,h,i)perylene	0.17	0.324
SSUS 6	218.18	Benzo(k)fluoranthene	0.24	0.245
SSUS 6	218.18	Chrysene	0.34	0.569
SSUS 6	218.18	Dibenzo(ah)anthracene	0.06	0.073
SSUS 6	218.18	Fluoranthene	0.75	1.34
SSUS 6	218.18	Indeno(1,2,3-cd)pyrene	0.2	0.34
SSUS 6	218.18	Phenanthrene	0.56	0.864
SSUS 6	218.18	Pyrene	0.49	1.07

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSUS 5	218.48	Copper (Cu)	16	24
SSUS 5	218.48	Lead (Pb)	31	55.1
SSUS 5	218.48	Anthracene	0.22	0.322
SSUS 5	218.48	Benzo(a)anthracene	0.32	1.61
SSUS 5	218.48	Benzo(a)pyrene	0.37	1.72
SSUS 5	218.48	Benzo(g,h,i)perylene	0.17	1.23
SSUS 5	218.48	Benzo(k)fluoranthene	0.24	0.873
SSUS 5	218.48	Chrysene	0.34	1.89
SSUS 5	218.48	Dibenzo(ah)anthracene	0.06	0.282
SSUS 5	218.48	Fluoranthene	0.75	5.08
SSUS 5	218.48	Fluorene	0.19	0.358
SSUS 5	218.48	Indeno(1,2,3-cd)pyrene	0.2	1.31
SSUS 5	218.48	Phenanthrene	0.56	3.14
SSUS 5	218.48	Pyrene	0.49	3.93

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSUS 4	218.15	Benzo(g,h,i)perylene	0.17	0.182
SSUS 4	218.15	Pyrene	0.49	0.552

Sample ID	Elevation (masl)	Parameter	Criteria (ug/g)	Result (ug/g)
SSUS 2	218.25	Cadmium (Cd)	0.6	1.2
SSUS 2	218.25	Chromium (Cr)	26	32.4
SSUS 2	218.25	Lead (Pb)	31	241
SSUS 2	218.25	Copper (Cu)	16	71.6
SSUS 2	218.25	Zinc (Zn)	120	350
SSUS 2	218.25	Anthracene	0.22	0.678
SSUS 2	218.25	Benzo(a)anthracene	0.32	1.7
SSUS 2	218.25	Benzo(a)pyrene	0.37	1.72
SSUS 2	218.25	Benzo(g,h,i)perylene	0.17	1.1
SSUS 2	218.25	Benzo(k)fluoranthene	0.24	0.844
SSUS 2	218.25	Chrysene	0.34	2.25
SSUS 2	218.25	Dibenzo(ah)anthracene	0.06	0.282
SSUS 2	218.25	Fluoranthene	0.75	5.08
SSUS 2	218.25	Fluorene	0.19	0.469
SSUS 2	218.25	Indeno(1,2,3-cd)pyrene	0.2	1.16
SSUS 2	218.25	Phenanthrene	0.56	3.48
SSUS 2	218.25	Pyrene	0.49	4.06

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Reference:
Title: Plan of Lots A, B, C, D, E, F, G & 11, Registered Plan M-204, City of Toronto
Client: 875 Queen Lofts Inc. c/o Harhay Construction Management Ltd.
Plan No: LSG-0180-1
Prepared By: Land Survey Group, OLS
Dated: July 17, 2014

Notes:
2011 MOECC Sediment All Types of Property Use, All Textured Soils

Figure does not show results where Detection Limit > Criteria

Blue = Monitoring Well Present Onsite as of June, 2017

Legend:
- Property Boundary
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- Terraprobe Test Pits 2008
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- Terraprobe Test Pits 2009
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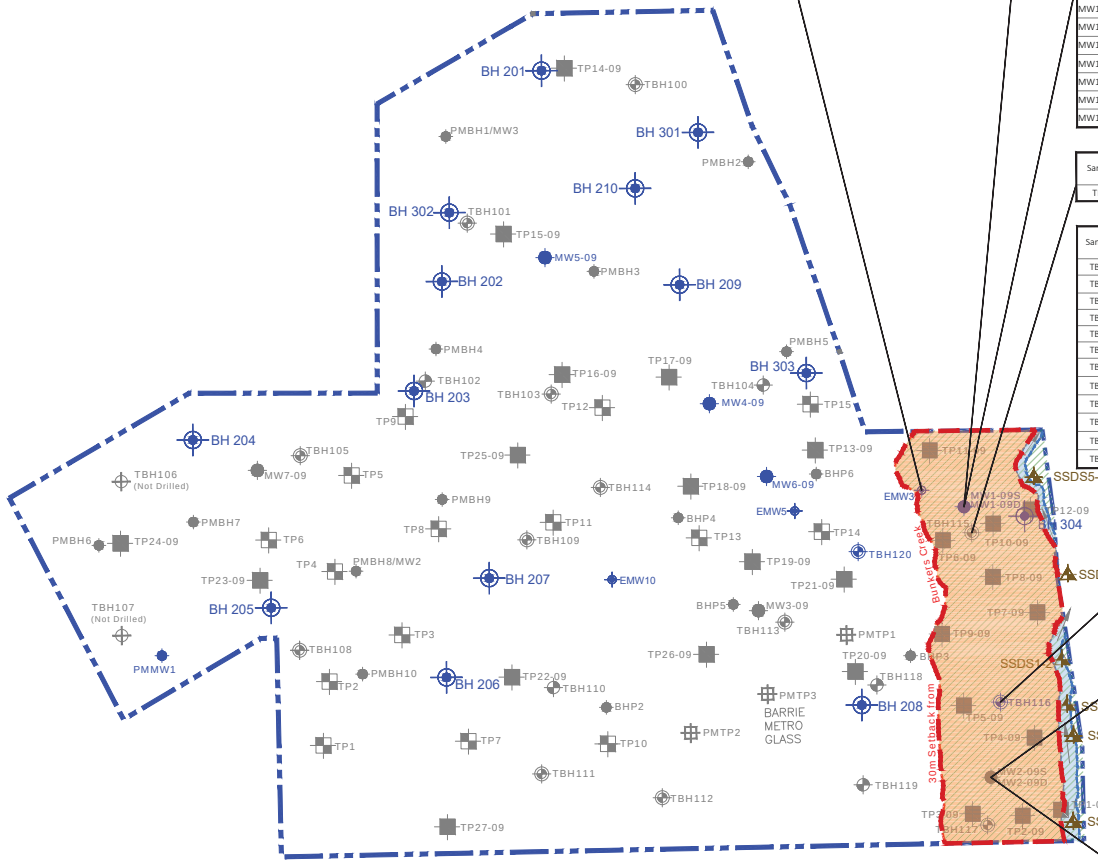
- MW1-09S Shallow Well
- MW1-09D Deep Well
- Terraprobe Borehole/Monitoring Well 2017
- Monitoring Well by Others
- Sediment Sample Location
- Lands Within 30 m of Creek (Parcel B Lands)
- Extent of Sediment Contaminated with One or More Contaminant

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
SEDIMENT EXCEEDANCE LOCATIONS

Designed By: SM	*File No.:* 1-17-0147-42
Drawn By: SK	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 9
Date: August 2017	



Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L)
				2017/04/20
EMW3	Unknown	Benzo(a)pyrene	0.01	0.013

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L)	
				2009/10/14	2017/04/20
MW1-09D	211.2	Toluene	0.8	1.1	<0.50

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L)	
				2009/10/14	2017/04/20
MW1-09S/EMW2	216.9	Dissolved Cobalt (Co)	3.8	4.4	0.42
MW1-09S/EMW2	216.9	Dissolved Lead (Pb)	1.9	2.6	0.147
MW1-09S/EMW2	216.9	Dissolved Nickel (Ni)	14	17	1.2
MW1-09S/EMW2	216.9	Toluene	0.8	1.2	<0.50
MW1-09S/EMW2	216.9	Benzo(a)anthracene	0.2	1	0.02
MW1-09S/EMW2	216.9	Benzo(a)pyrene	0.01	1.2	0.017
MW1-09S/EMW2	216.9	Benzo(b/j)fluoranthene	0.1	1.6	0.026
MW1-09S/EMW2	216.9	Benzo(k)fluoranthene	0.1	0.66	<0.020
MW1-09S/EMW2	216.9	Chrysene	0.1	0.99	0.021
MW1-09S/EMW2	216.9	Fluoranthene	0.4	2.6	0.053
MW1-09S/EMW2	216.9	Phenanthrene	0.1	1.4	0.029
MW1-09S/EMW2	216.9	Pyrene	0.2	2.3	0.045
MW1-09S/EMW2	216.9	Mercury (Hg)	0.1	0.2	<0.010

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L)
				2009/01/21
TH 115	Unknown	Toluene	0.8	1.5

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L)	
				2009/10/14	2017/04/20
TBH116	216.8	Chlorobenzene	0.5	0.57	<0.50
TBH116	216.8	Benzo(a)pyrene	0.01	0.025	0.015
TBH116	216.8	Phenanthrene	0.1	0.65	3.32
TBH116	216.8	Toluene	24	NA	464
TBH116	216.8	Acenaphthene	4.1	NA	5.12
TBH116	216.8	Fluoranthene	0.41	NA	0.471
TBH116	216.8	1+2-Methylnaphthalenes	3.2	NA	7.38
TBH116	216.8	1-Methylnaphthalene	3.2	NA	3.83
TBH116	216.8	2-Methylnaphthalene	3.2	NA	3.55
TBH116	216.8	Nickel	0.4	NA	19.3
TBH116	216.8	Anthracene	0.1	NA	0.478
TBH116	216.8	Pyrene	0.2	NA	0.327

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L)
				2009/10/14
MW2-09D	212.02	Toluene	0.8	1.1
MW2-09D	212.02	Benzo(a)pyrene	0.01	0.031
MW2-09D	212.02	Phenanthrene	0.1	0.2

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L)
				2009/10/14
MW2-09S	217.4	Dissolved Vanadium (V)	3.9	4.5
MW2-09S	217.4	Anthracene	0.1	1.3
MW2-09S	217.4	Benzo(a)anthracene	0.2	0.93
MW2-09S	217.4	Benzo(a)pyrene	0.01	0.92
MW2-09S	217.4	Benzo(b/j)fluoranthene	0.1	1.1
MW2-09S	217.4	Benzo(g,h,i)perylene	0.2	0.55
MW2-09S	217.4	Benzo(k)fluoranthene	0.1	0.47
MW2-09S	217.4	Chrysene	0.1	0.86
MW2-09S	217.4	Fluoranthene	0.4	4.3
MW2-09S	217.4	Indeno(1,2,3-cd)pyrene	0.2	0.62
MW2-09S	217.4	Phenanthrene	0.1	8.1
MW2-09S	217.4	Pyrene	0.2	3

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Reference:
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Client: 875 Queen Lofts Inc. c/o Harhay Construction Management Ltd.
Plan No: LSG-0180-1
Prepared By: Land Survey Group, OLS
Dated: July 17, 2014

Notes:
2011 MOECC Table 1 All Types of Property Use, All Textured Soils

Figure does not show results where Detection Limit > Criteria

Blue = Monitoring Well Present Onsite as of June, 2017

Legend:

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- Monitoring Well by Others
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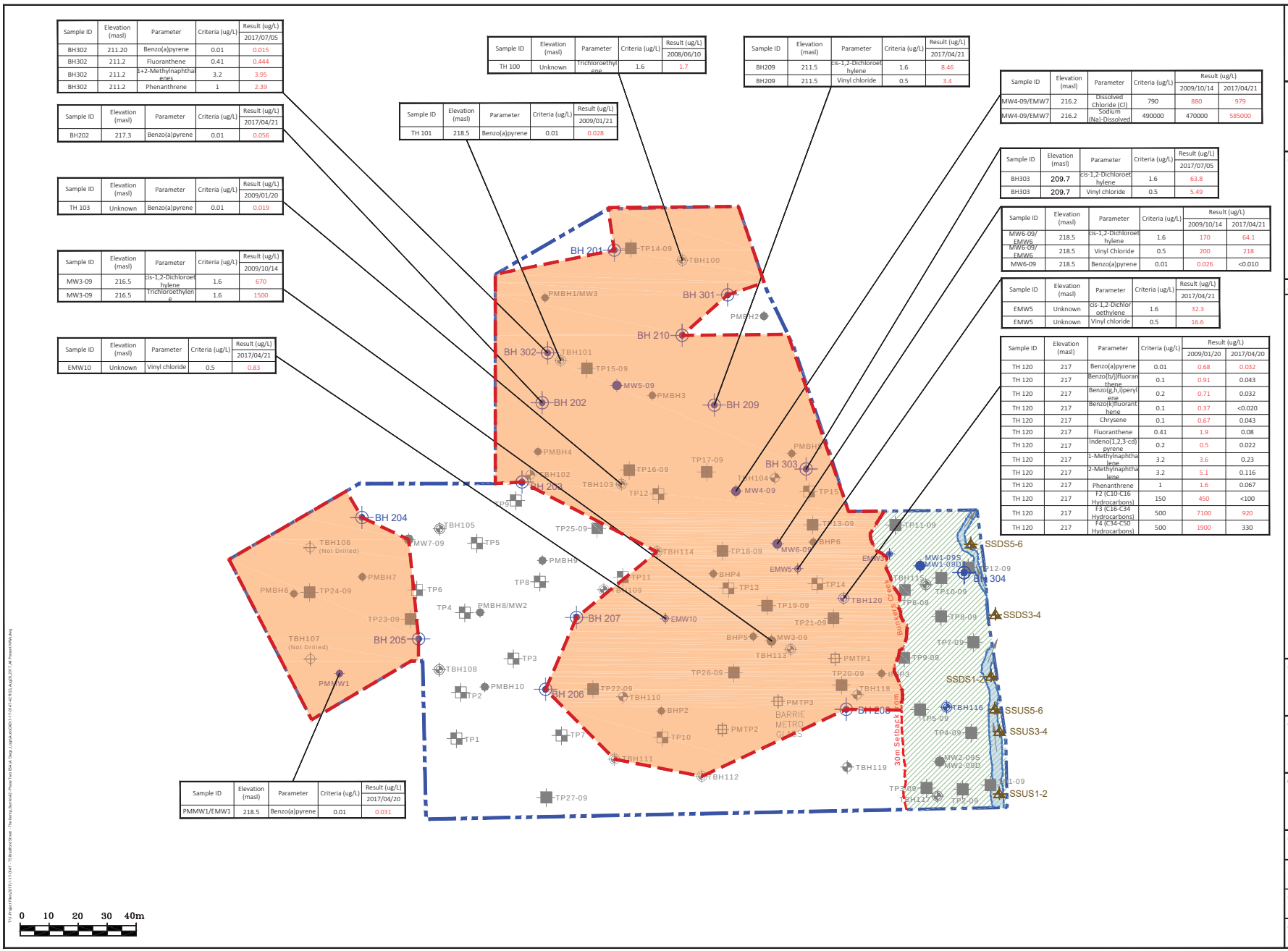
- Lands Within 30 m of Creek (Parcel B Lands)
- Extent of Ground Water Contaminated with One or More Contaminant

Project Title:
Phase Two Environmental Site Assessment

Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
TABLE 1 STANDARD
GROUND WATER EXCEEDANCE LOCATIONS

Designed By: SM	*File No.:* 1-17-0147-42
Drawn By: SK	*Scale:* As Shown
Reviewed By: MB	*Figure No.:* 10
Date: August 2017	



Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2017/07/05
BH302	211.20	Benzo(a)pyrene	0.01	0.015
BH302	211.2	Fluoranthene	0.41	0.444
BH302	211.2	1+2-Methylnaphthalenes	3.2	3.95
BH302	211.2	Phenanthrene	1	2.39

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2017/04/21
BH202	217.3	Benzo(a)pyrene	0.01	0.056

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2009/01/20
TH 103	Unknown	Benzo(a)pyrene	0.01	0.019

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2009/10/14
MW3-09	216.5	cis-1,2-Dichloroethylene	1.6	670
MW3-09	216.5	Trichloroethylene	1.6	1500

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2017/04/21
EMW10	Unknown	Vinyl chloride	0.5	0.83

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2017/04/20
PMMW1/EMW1	218.5	Benzo(a)pyrene	0.01	0.031

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2008/06/10
TH 100	Unknown	Trichloroethylene	1.6	1.7

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2009/01/21
TH 101	218.5	Benzo(a)pyrene	0.01	0.028

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2017/04/21
BH209	211.5	cis-1,2-Dichloroethylene	1.6	8.46
BH209	211.5	Vinyl chloride	0.5	3.4

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2009/10/14	Result (ug/L) 2017/04/21
MW4-09/EMW7	216.2	Dissolved Chloride (Cl)	790	880	979
MW4-09/EMW7	216.2	Sodium (Na)-Dissolved	490000	470000	585000

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2017/07/05
BH303	209.7	cis-1,2-Dichloroethylene	1.6	63.8
BH303	209.7	Vinyl chloride	0.5	5.49

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2009/10/14	Result (ug/L) 2017/04/21
MW6-09/EMW6	218.5	cis-1,2-Dichloroethylene	1.6	170	64.1
MW6-09/EMW6	218.5	Vinyl Chloride	0.5	200	218
MW6-09	218.5	Benzo(a)pyrene	0.01	0.026	<0.010

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2017/04/21
EMW5	Unknown	cis-1,2-Dichloroethylene	1.6	32.3
EMW5	Unknown	Vinyl chloride	0.5	16.6

Sample ID	Elevation (masl)	Parameter	Criteria (ug/L)	Result (ug/L) 2009/01/20	Result (ug/L) 2017/04/20
TH 120	217	Benzo(a)pyrene	0.01	0.68	0.032
TH 120	217	Benzo(b/j)fluoranthene	0.1	0.91	0.043
TH 120	217	Benzo(g,h,i)perylene	0.2	0.71	0.032
TH 120	217	Benzo(k)fluoranthene	0.1	0.37	<0.020
TH 120	217	Chrysene	0.1	0.67	0.043
TH 120	217	Fluoranthene	0.41	1.9	0.08
TH 120	217	Indeno(1,2,3-cd)pyrene	0.2	0.5	0.022
TH 120	217	1-Methylnaphthalene	3.2	3.6	0.23
TH 120	217	2-Methylnaphthalene	3.2	5.1	0.116
TH 120	217	Phenanthrene	1	1.6	0.067
TH 120	217	F2 (C10-C16 Hydrocarbons)	150	450	<100
TH 120	217	F3 (C16-C34 Hydrocarbons)	500	7100	920
TH 120	217	F4 (C34-C50 Hydrocarbons)	500	1900	330

Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing
11 Indell Lane - Brampton Ontario L6T 3Y3 (905) 796-2650

Reference:
Title: Plan of Lots A, B, C, D, E, F, G & 11, Registered Plan M-204, City of Toronto
Client: 875 Queen Lofts Inc. c/o Harhay Construction Management Ltd.
Plan No: LSG-0180-1
Prepared By: Land Survey Group, OLS
Dated: July 17, 2014

Notes:
2011 MOECC Table 2 All Types of Property Use, Coarse Textured Soils

Figure does not show results where Detection Limit > Criteria

Blue = Monitoring Well Present Onsite as of June, 2017

Legend:
- Property Boundary
- Terraprobe Boreholes 2008
- Terraprobe Monitoring Wells 2008
- Terraprobe Test Pits 2008
- Peto MacCallum Borehole
- Peto MacCallum Test Pits
- Terraprobe Test Pits 2009
- Terraprobe Monitoring Wells 2009
- MW1-09S Shallow Well
- MW1-09D Deep Well
- Terraprobe Borehole/Monitoring Well 2017
- Monitoring Well by Others
- Sediment Sample Location
- Lands Within 30 m of Creek (Parcel B Lands)
- Extent of Ground Water Contaminated with One or More Contaminant

Project Title:
Phase Two Environmental Site Assessment

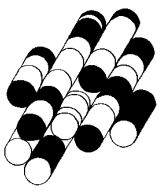
Site Location:
51-75 Bradford Street, Barrie, Ontario

Figure Title:
TABLE 2 STANDARD
GROUND WATER EXCEEDANCE LOCATIONS

Designed By: SM	File No.: 1-17-0147-42
Drawn By: SK	Scale: As Shown
Reviewed By: MB	Figure No.: 11
Date: August 2017	

APPENDIX A

TERRAPROBE INC.



PHASE ONE CONCEPTUAL SITE MODEL

51-75 BRADFORD STREET, BARRIE, ON

Phase One CSM		Information Pertaining to Property
Figures of the Phase One Study Area are provided that:		
i.	Show any existing buildings and structures,	Existing buildings and structures are shown on Figure 2.
ii.	Identify and locate water bodies located in whole or in part on the Phase One Study Area	The closest water body to the Phase One Property is the Bunkers Creek, which is located along the southern property boundary. All water bodies on the Phase One Property and in the Phase One Study Area are shown on Figure 1.
iii.	Identify and locate any Areas of Natural Significance located in whole or in part on the Phase One Study Area	Terraprobe reviewed the Ontario Ministry of Natural Resources and Forestry NHIC database for natural area listings. No Areas of Natural Significance were located in the Phase One Study Area.
iv.	Locate any drinking water wells at the Phase One Property	No drinking water wells were identified on the Property during the site inspection. Four (4) records for monitoring/industrial wells on the Property were found in the MOECC Water Well Information System (WWIS).
v.	Show roads, including names, within the Phase One Study Area	The Property is bounded to the east by Lakeshore Drive and west by Bradford Street. Other roads and properties within the Study Area are presented on Figure 3.
vi.	Show use of properties adjacent to the Phase One Property	The Land Uses of the adjacent properties are shown on Figure 4.
vii.	Identify and locate area where any potentially contaminating activity has occurred, and show tanks in such areas	Potentially Contaminating Activities (PCAs) located on the Property and within the Study Area are shown on Figure 5.
viii.	Identify and locate any areas of potential environmental concern	Eight (8) Areas of Potential Environmental Concern (APECs) and associated Potential Contaminants of Concern are described on the Table of Areas of Potential Environmental Concern. The location of the APECs on the Phase One Property are shown on Figure 6.
The following is a description and assessment of:		
i.	Any areas where potentially contaminating activity on or potentially affecting the Phase One Property has occurred,	51-75 Bradford Street • Phase One Property • #30 – Importation of Fill Material of Unknown Quality • #Other2 - Coal Yard

Phase One CSM	Information Pertaining to Property
	51 Bradford Street • Phase One Property • #10 – Commercial Autobody Shops • #53 – Tannery • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #46 – Rail Yards, Tracks and Spurs 55 Bradford Street • Phase One Property • #10 – Commercial Autobody Shops • #53 – Tannery • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #46 – Rail Yards, Tracks and Spurs 75 Bradford Street • Phase One Property • #10 – Commercial Autobody Shops • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #53 – Tannery • #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products • #Other2 - Coal Yard • #46 – Rail Yards, Tracks and Spurs 45 Bradford Street • Adjacent to Northwest • #28 – Gasoline and Associated Products Storage in Fixed Tanks • #37 – Operation of Dry Cleaning Equipment (where chemicals are used) 80 Bradford Street • 20 m West • #18 - Electricity Generation, Transformation and Power Stations 82 Bradford Street • 20 m West • #28 – Gasoline and Associated Products Storage in Fixed Tanks

Phase One CSM		Information Pertaining to Property
ii.	Any contaminants of potential concern	Potential Contaminants of Concern (PCoCs) identified the Property include: • Metals in soil and ground water • As, Sb, Se in soil and ground water • EC in soil • SAR in soil • B-HWS in soil • Cl in ground water • CN- in soil and ground water • Hg in soil and ground water • Cr(VI) in soil and ground water • Low or high pH in soil and ground water • Na in ground water • PAHs in soil and ground water • PHCs in soil and ground water • VOCs in soil and ground water • BTEX in soil and ground water • PCB in soil
iii.	The potential for underground utilities, if any present, to affect contaminant distribution and transport,	There are electrical overhead wires, gas and water lines on the Property. There is not the potential for underground utilities to affect the horizontal distribution or transport of contaminants potentially, due to the location of the utilities.
iv.	Available regional or site specific geological and hydrogeological information,	Topography • The approximate elevation of the Property is 220 masl. Hydrogeology • The nearest water body is Bunkers Creek which is located along the southern Property boundary. The creek drains into Lake Simcoe which is located 65 m east of the Property. The approximate depth to ground water, based on Water Well Records in the local area, is expected to be 0.5 m to 3 m. Ground water and surface water is expected to flow to the east. Geology (overburden) • The overburden consists of undifferentiated sand, gravel, minor silt and clay i.e. foreshore and basinal deposits (9c coarse-textured glaciolacustrine deposits) Geology (bedrock) • The bedrock on the Property is of the Shadow Lake Formation, which is comprised of limestone, dolstone, shale, arkose and sandstone (54a) Geology (depth to bedrock) • Based upon historic borehole and water well information, the depth to bedrock in the area of the Property is beyond 50 m.

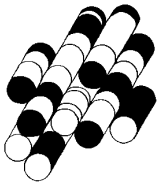
Phase One CSM	Information Pertaining to Property
v. How any uncertainty or absence of information obtained in each of the components of the Phase One ESA could affect the validity of the model.	No uncertainty was encountered while conducting the Phase One ESA that could affect the validity of the model.

Figures:

Figure 1 – Phase One Property Location
Figure 2 – Phase One Property
Figure 3 – Phase One Study Area
Figure 4 – Adjacent Property Land Uses
Figure 5 – PCA Locations
Figure 6 – APEC Locations

APPENDIX B

TERRAPROBE INC.



LOG OF BOREHOLE 201

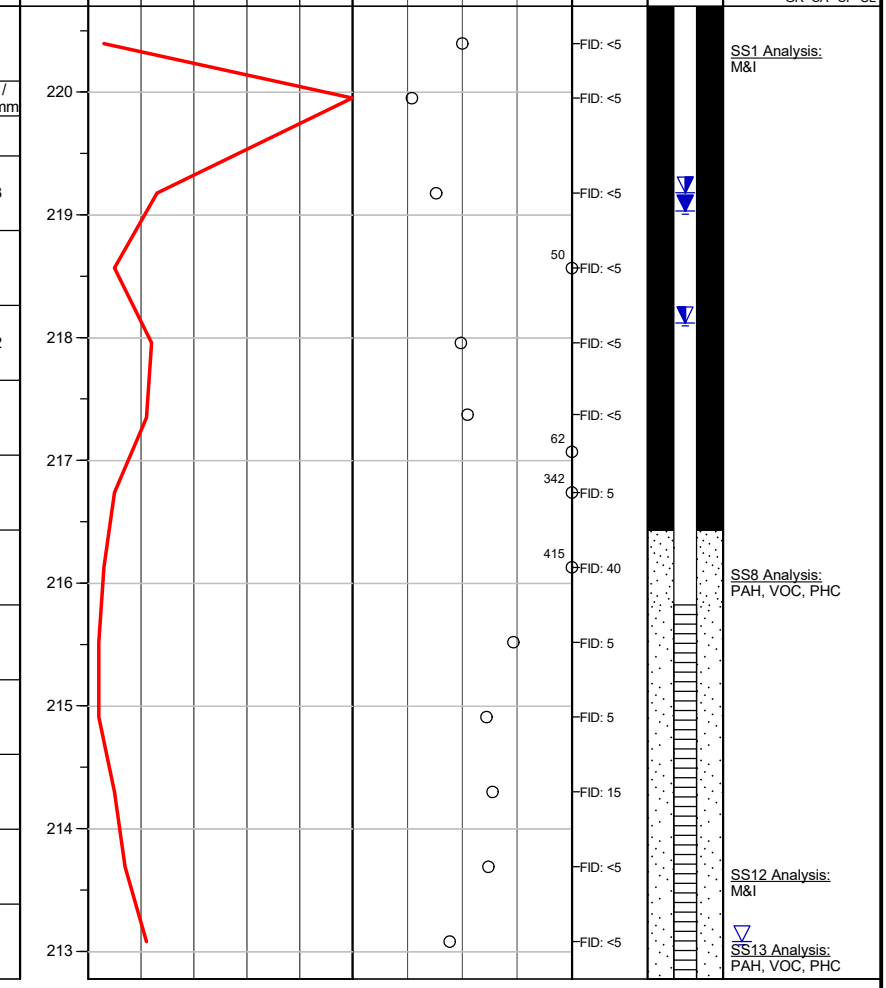
Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 10, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604246, N: 4915391 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	220.7	**GROUND SURFACE**				
		FILL, sandy silt, trace gravel, trace rootlets, very loose, brown, moist		1	SS	3
		...at 0.6 m, dense		2	SS	50 / 125mm
1						
	219.2 1.5			3	SS	13
		FILL, sand and gravel, trace brick, trace wood, compact, brown, moist				
2		...at 1.8 m, some silt, organics, black - brown, wet		4	SS	5
				5	SS	12
3	217.7 3.0	...at 3.0 m, trace cinders				
		FILL, sand, some silt, trace gravel, loose, grey, wet		6A	SS	11
	217.1 3.6	...at 3.7 m, Woody and non - woody particles held in fine - fibrous peat		6B		
4				7	SS	5
	216.4 4.3	**PEAT**, Non woody, fine fibrous containing mounds of coarse fibres, loose, black, moist				
		SAND, trace silt, trace gravel, very loose, black - brown, wet		8	SS	3
5				9	SS	2
		...at 5.5 m, grey		10	SS	2
6				11	SS	5
		...at 6.7 m, moist		12	SS	7
7				13	SS	11
	212.8 7.9					



END OF BOREHOLE

Unstabilized water level measured at 7.6 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	2.6	218.1
Apr 20, 2017	1.5	219.2
Jun 19, 2017	1.7	219.0

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 202

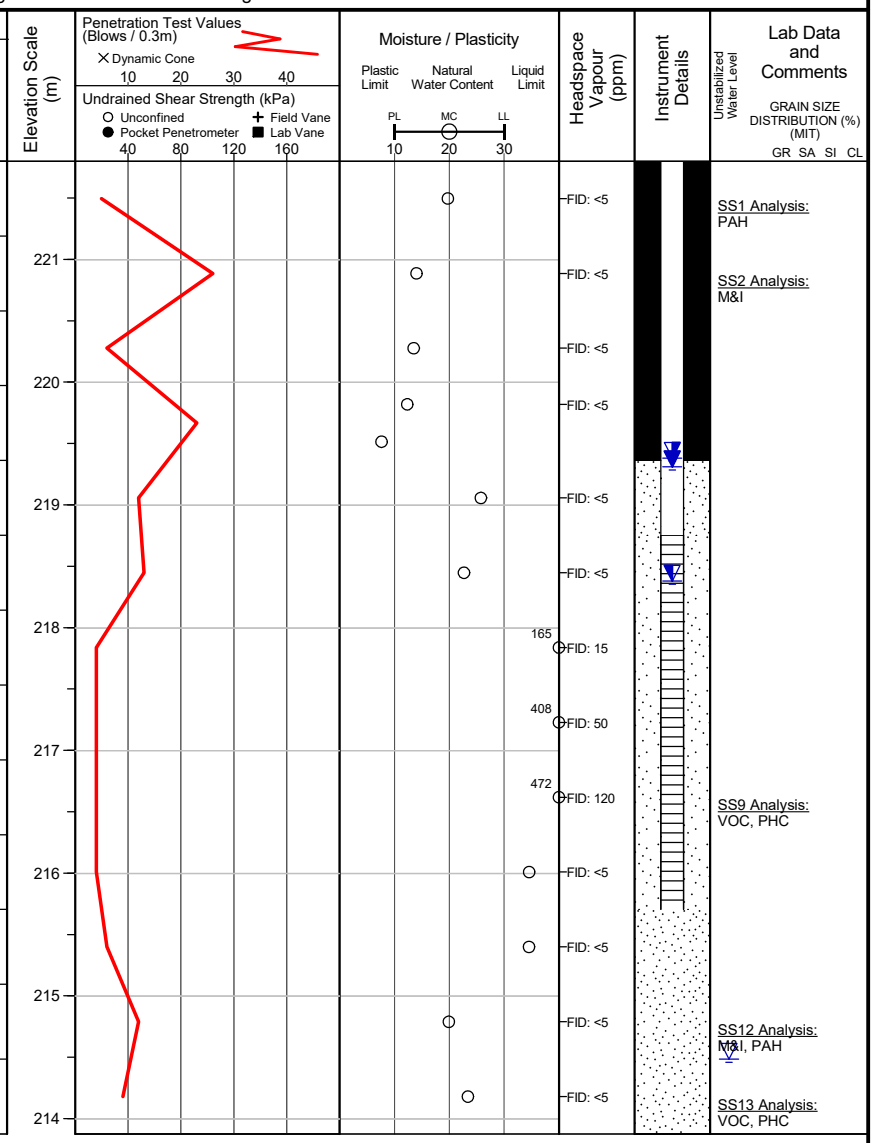
Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 10, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604192, N: 4915414 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	221.8	**GROUND SURFACE**				
		125mm **TOPSOIL**		1	SS	5
		FILL, sandy silt, some gravel, trace rootlets, trace cinders, very loose, brown, moist		2	SS	26
1		...at 1.0 m, clay, compact		3	SS	6
2	219.7			4A	SS	23
	2.1	**FILL**, concrete and red brick, some sand, some silt, trace cinders		4B		
	218.8			5	SS	12
3	3.0	**PEAT**, woody fine fibres held in a woody coarse fibrous framework, loose, black, moist		6	SS	13
				7	SS	4
4		...at 4.3 m, Woody and non - woody particles held in fine - fibrous peat		8	SS	4
5				9	SS	4
	216.3					
	5.5	**SAND**, trace silt, trace gravel, very loose, blackish brown, wet		10	SS	4
6				11	SS	6
		...at 6.7 m, grey, moist		12	SS	12
7		...at 7.3 m, wet		13	SS	9
	213.9					
	7.9	**END OF BOREHOLE**				



Unstabilized water level measured at 7.3 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	3.4	218.4
Apr 21, 2017	2.4	219.4
Jun 19, 2017	2.5	219.3

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 203

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 11, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604165, N: 4915416 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	222.1	**GROUND SURFACE**				
		125mm **TOPSOIL**		1	SS	12
		FILL, silty sand, trace clay, trace gravel, trace rootlets, compact, brown, moist		2	SS	36
1	220.9					
	1.2	**FILL**, sand, trace silt, trace gravel, trace plastic, trace ceramic		3	SS	8
				4	SS	13
2	219.7					
	2.4	**FILL**, sand and concrete, some cinders, very loose, blackish brown, wet		5	SS	8
	219.1					
3	3.0	**PEAT**, Woody and non - woody particles held in fine - fibrous peat, loose, black, moist		6	SS	5
	218.1			7A	SS	5
	4.0	**SAND**, trace silt, trace gravel, loose, brownish black, wet		7B		
4				8	SS	5
				9	SS	3
5		...at 5.5 m, very loose, grey		10	SS	5
				11	SS	14
6				12	SS	5
				13	SS	7
7	214.2					
	7.9	**END OF BOREHOLE**				

Penetration Test Values (Blows / 0.3m): Dynamic Cone 10 20 30 40

Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane 40 80 120 160

Moisture / Plasticity: Plastic Limit, Natural Water Content, Liquid Limit — PL, MC, LL 10 20 30

Elevation Scale (m): 222, 221, 220, 219, 218, 217, 216, 215

Headspace Vapour (ppm): FID: <5; FID: 5; FID: <5; FID: <5; 63 FID: 10; 203 FID: 10; 179 FID: 10; FID: 10; FID: <5; FID: <5; FID: <5; FID: <5; FID: <5

Instrument Details: Unstabilized Water Level

Lab Data and Comments: GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL

SS3 Analysis: M&I

SS5 Analysis: PAH

SS6 Analysis: VOC, PHC

SS12 Analysis: M&I, PAH

SS13 Analysis: VOC, PHC

Unstabilized water level measured at 7.3 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	3.6	218.5
Apr 20, 2017	2.6	219.5
Jun 19, 2017	2.7	219.5

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 204

Terraprobe

Project No. : 1-17-0147-42 | Client : Fortress Kempenfelt Bay Developments Inc | Originated by : MC

Date started : April 11, 2017 | Project : 75 Bradford Street | Compiled by :

Sheet No. : 1 of 1 | Location : Barrie, Ontario | Checked by :

Position : E: 604150, N: 4915475 (UTM 17T) | Elevation Datum : Geodetic

Rig type : CME 75, track-mounted | Drilling Method : Hollow stem augers

Depth (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	222.3	**GROUND SURFACE**				
		75mm **TOPSOIL**		1	SS	30
		FILL, silty sand, some asphalt, some gravel, trace rootlets, trace concrete, compact, brown, moist		2	SS	6
1		...at 0.6 m, very loose				
		...at 1.2 m, trace brick, compact		3	SS	16
	220.5					
	1.8	**FILL**, sand, some gravel, trace silt, trace asphalt, compact, brown, moist		4	SS	10
2		...at 2.4 m, trace wood		5	SS	50 / 125mm
3		...at 3.0 m, silty sand, trace gravel, concrete, loose, black-brown, very moist		6	SS	6
	218.6					
	3.7	**SAND**, trace silt, trace gravel, very loose, blackish brown, wet		7	SS	4
4		...at 4.3 m, grey		8	SS	5
5				9	SS	4
				10	SS	14
6				11	SS	14
		...at 6.7 m, very moist		12	SS	17
7				13	SS	17
	214.4					
	7.9	**END OF BOREHOLE**				

Penetration Test Values (Blows / 0.3m): Dynamic Cone (10, 20, 30, 40)

Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane (40, 80, 120, 160)

Moisture / Plasticity: Plastic Limit (PL), Natural Water Content (MC), Liquid Limit (LL) (10, 20, 30)

Elevation Scale (m): 222, 221, 220, 219, 218, 217, 216, 215

Headspace Vapour (ppm): FID: <5; FID: <5; FID: <5; FID: 5; 52 FID: 15; FID: <5; FID: 5; FID: <5; FID: 5; FID: 5; 54 FID: <5; FID: <5; FID: <5

Instrument Details

Unstabilized Water Level

Lab Data and Comments

GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL

SS2 Analysis: PAH

SS4 Analysis: M&I

SS5 Analysis: VOC, PHC

heavy grinding

SS12 Analysis: M&I, PAH, VOC, PHC

Unstabilized water level measured at 7.0 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	3.8	218.5
Apr 21, 2017	2.8	219.5
Jun 19, 2017	2.9	219.4

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 205

Terraprobe

Project No. : 1-17-0147-42 | Client : Fortress Kempenfelt Bay Developments Inc | Originated by : MC

Date started : April 11, 2017 | Project : 75 Bradford Street | Compiled by :

Sheet No. : 1 of 1 | Location : Barrie, Ontario | Checked by :

Position : E: 604108, N: 4915454 (UTM 17T) | Elevation Datum : Geodetic

Rig type : CME 75, track-mounted | Drilling Method : Hollow stem augers

Depth (m)	Elev (m)	Description	Number	Type	SPT 'N' Value	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
0	222.4	**GROUND SURFACE**						
		125mm **TOPSOIL**						
	221.8	**FILL**, silty sand, some clay, trace gravel, trace rootlets, loose, brown, moist	1	SS	6	FID: <5		SS1 Analysis: M&I, DUP 1
1	0.6	**FILL**, sand, trace silt, trace gravel, trace brick fragments	2	SS	15	FID: <5		SS2 Analysis: PAH, DUP 2
		...at 1.2 m, some topsoil, red - black	3	SS	4	FID: 5		
2		...at 1.8 m, brown - grey	4	SS	2	FID: 5		SS4 Analysis: VOC, PHC
	220.0							
	2.4	**SAND**, trace silt, trace gravel, loose, black - brown, wet	5	SS	2	FID: <5		
3		...at 3.0 m, grey	6	SS	8	FID: <5		
			7	SS	6	FID: 45		
4			8	SS	13	FID: <5		
		...at 4.9 m, brown	9	SS	12	FID: 15		
5			10	SS	14	FID: <5		
		...at 6.1 m, very moist	11	SS	21	FID: 15		
6		...at 6.7 m, wet	12	SS	9	FID: 60		SS12 Analysis: VOC, PHC, DUP 3, DUP 4
			13	SS	8	FID: 55		SS13 Analysis: M&I, PAH
7	214.5							
	7.9	**END OF BOREHOLE**						

Penetration Test Values (Blows / 0.3m): Dynamic Cone (10, 20, 30, 40)

Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane (40, 80, 120, 160)

Moisture / Plasticity: Plastic Limit (PL), Natural Water Content (MC), Liquid Limit (LL) (10, 20, 30)

Unstabilized water level measured at 7.3 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	3.4	219.0
Apr 21, 2017	2.4	220.0
Jun 19, 2017	2.6	219.8

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 206

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 12, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604093, N: 4915410 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	221.2	**GROUND SURFACE**				
		50mm **ASPHALTIC CONCRETE**		1	SS	14
		FILL, sand, some gravel, some cinders, trace concrete, trace brick, compact, black, moist		2	SS	8
1		...at 1.2 m, some silt, trace organics, trace cinders		3	SS	8
	219.4					
2	1.8	**SAND**, trace silt, trace gravel, loose, brown, wet		4	SS	3
				5	SS	6
3				6	SS	4
				7	SS	6
4		...at 4.3 m, very moist		8	SS	10
				9	SS	9
5				10	SS	7
				11	SS	11
6		...at 6.1 m, grey - brown		12	SS	8
		...at 6.7 m, grey		13	SS	5
7	213.3					
	7.9	**END OF BOREHOLE**				

Elevation Scale (m): 221, 220, 219, 218, 217, 216, 215, 214

Penetration Test Values (Blows / 0.3m): Dynamic Cone (10, 20, 30, 40)

Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane (40, 80, 120, 160)

Moisture / Plasticity: Plastic Limit (PL), Natural Water Content (MC), Liquid Limit (LL) (10, 20, 30)

Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
FID: 5		SS1 Analysis: PAH
FID: 5		SS2 Analysis: M&I
FID: 15		SS3 Analysis: VOC, PHC
FID: <5		
FID: <5		
FID: <5		
FID: 10		
FID: 10		
FID: 40		
FID: 55		
FID: 45		
FID: 5		SS12 Analysis: M&I, PAH
FID: <5		SS13 Analysis: VOC, PHC

Unstabilized Water Level

Lab Data and Comments: GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL

Unstabilized water level measured at 7.0 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	2.1	219.2
Apr 21, 2017	1.0	220.2
Jun 19, 2017	1.3	220.0

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 207

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 12, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604117, N: 4915400 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value	Elevation (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, Natural Water Content, LL)	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
0	221.9	**GROUND SURFACE**										
		125mm **TOPSOIL**		1	SS	4				FID: <5		SS1 Analysis: M&I
		FILL, silty sand, trace clay, trace rootlets, loose, brown, moist ...at 0.6 m, trace brick		2	SS	5	221			FID: <5		SS2 Analysis: PAH
1	220.7											
	1.2	**FILL**, sand, trace gravel, trace cinders, compact, brown, moist		3	SS	19				FID: 5		
	220.1						220					
2	1.8	**PEAT**, Woody and non - woody particles held in fine - fibrous peat, loose, black, moist		4	SS	7				94 FID: 10		SS4 Analysis: VOC, PHC
		...at 2.4 m, wet		5	SS	4				42 FID: 5		
	218.9						219					
3	3.0	**SAND**, trace silt, trace gravel, very loose, black - brown, wet		6	SS	4				FID: 5		
		...at 3.7 m, brown - grey		7	SS	4	218			FID: 5		
4		...at 4.3 m, grey		8	SS	2				FID: 5		
		...at 4.9 m, brown - grey		9	SS	9	217			FID: 15		
5		...at 5.5 m, brown		10	SS	8				FID: 5		
				11	SS	3	216			FID: 15		
6		...at 6.7 m, very moist		12	SS	9				FID: 25		SS12 Analysis: M&I, PAH
				13	SS	9	215			FID: 5		SS13 Analysis: VOC, PHC
7	214.0											
	7.9	**END OF BOREHOLE**					214					

Unstabilized water level measured at 7.3 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	2.8	219.1
Apr 21, 2017	1.8	220.1
Jun 19, 2017	2.0	219.9

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 208

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 12, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604089, N: 4915306 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value	Elevation Scale (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, Natural Water Content, LL)	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
0	220.8	**GROUND SURFACE**										
	220.6 / 0.2	75mm **ASPHALTIC CONCRETE** 175mm **AGGREGATE**		1	SS	12				FID: <5		
	220.2 / 0.6	**FILL**, silty sand, some gravel, compact, brown, wet		2	SS	9	220			FID: <5		SS2 Analysis: M&I
1		**SAND**, some silt, some gravel, soft, brown, moist ...at 1.2 m, trace wood, black, wet		3	SS	9				FID: <5		
2		...at 1.8 m, trace cinders, compact		4	SS	18	219			FID: <5		SS4 Analysis: PAH
	218.4 / 2.4	**PEAT**, woody mesh of fibres and particles enclosing amorphous - granular peat containing fine fibres, loose, black, moist		5	SS	8	218			226 FID: 15		
3	217.8 / 3.0	Woody and non - woody particles held in fine - fibrous peat, loose, black, moist		6	SS	3				412 FID: 20		SS6 Analysis: VOC, PHC
4		...at 4.3 m, wet		7	SS	9	217			150 FID: 10		
				8	SS	4	216			132 FID: 5		
5	215.3 / 5.5			9	SS	4				146 FID: 5		
		SAND, trace silt, trace gravel, compact, brown, wet		10	SS	17	215			FID: 5		
6		...at 6.1 m, grey		11	SS	10				FID: 5		
7		...at 6.7 m, very moist		12	SS	11	214			FID: 10		
		...at 7.3 m, wet		13	SS	12	213			FID: 5		
8				14	SS	10				FID: 40		SS14 Analysis: M&I, PAH
				15	SS	8	212			FID: 30		
9		...at 9.1 m, wet		16	SS	10				FID: 15		SS16 Analysis: VOC, PHC
	211.0 / 9.8											

END OF BOREHOLE

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	0.6	220.2
Apr 21, 2017	0.6	220.2
Jun 19, 2017	0.7	220.1

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 209

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 13, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604192, N: 4915354 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value	Elevation (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, MC, LL)	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
0	220.7	**GROUND SURFACE**					220					
		125mm **TOPSOIL**		1	SS	5				FID: <5		
		FILL, silty sand, trace clay, trace gravel, trace rootlets, trace wood fragments, loose, brown, moist										
1		...at 0.6 m, trace cinders, orange - brown		2	SS	8				FID: <5		SS2 Analysis: PAH, DUP5
		...at 1.2 m, compact		3	SS	12	219			FID: <5		SS3 Analysis: M&I, DUP6
2		...at 1.8 m, very moist		4	SS	8				FID: <5		
		...at 2.4 m, very loose, wet		5	SS	3	218			FID: 5		
3		...at 3.0 m, some gravel, vert dense		6	SS	54				44 FID: 10		
	217.0											
	3.7	**PEAT**, woody mesh of fibres and particles enclosing amorphous - granular peat containing fine fibres, loose, black, wet		7	SS	5	217			64 FID: 45		
4		...at 4.3 m, Woody and non - woody particles held in fine - fibrous peat		8	SS	8				217 FID: 80		SS8 Analysis: VOC, PHC
5				9	SS	33	216			350 FID: 15		
		...at 5.5 m, moist		10	SS	3				460 FID: 50		
6				11	SS	5	215			473 FID: 5		
		...at 6.7 m, wet		12	SS	4				578 FID: 5		
7	213.4						214					
	7.3	**SAND**, trace silt, trace gravel, very loose, grey - brown, wet		13	SS	4				FID: <5		
8				14	SS	5	213			FID: 5		
		...at 8.5 m, some silt, trace wood, grey		15	SS	10	212			FID: 20		
9	211.6											
	9.1	**SANDY SILT**, trace gravel, very loose, grey, wet		16	SS	6	211			FID: <5		
		...at 9.8 m, very moist		17	SS	8				FID: <5		SS17 Analysis: M&I, PAH
10	209.7			18	SS	6	210			FID: <5		SS18 Analysis: VOC, PHC, DUP7DUP8
	11.0	**END OF BOREHOLE**										

Unstabilized water level measured at 10.4 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	2.2	218.5
Apr 20, 2017	1.2	219.5
Jun 19, 2017	1.3	219.4

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 210

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc	Originated by : MC
Date started : April 13, 2017	Project : 75 Bradford Street	Compiled by :
Sheet No. : 1 of 1	Location : Barrie, Ontario	Checked by :

Position : E: 604217, N: 4915367 (UTM 17T) Elevation Datum : Geodetic

Rig type : CME 75, track-mounted Drilling Method : Hollow stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
	221.3	**GROUND SURFACE**				
0	221.1 / 0.2	150mm **TOPSOIL**		1	SS	9
1		**FILL**, silty sand, trace gravel, trace cinders, trace rootlets, loose, brown, moist ...at 0.8 m, trace clay, compact		2	SS	20
2	219.0	...at 1.5 m, some clay, loose, grey, wet		3	SS	8
	2.3	**FILL**, concrete, compact, moist		4	SS	37
3	218.3 / 3.0	**PEAT**, woody mesh of fibres and particles enclosing amorphous - granular peat containing fine fibres, loose, black - brown, wet		5	SS	49
4				6	SS	12
5		...at 4.6 m, woody and nonwoody particals held in fibrous peat		7	SS	4
6	215.2 / 6.1	**SAND**, trace silt, trace gravel, very loose, grey, wet		8	SS	6
				9	SS	2
7				10	SS	4
8				11	SS	3
9				12	SS	9
	211.5 / 9.8			13	SS	6

Elevation Scale (m): 221, 220, 219, 218, 217, 216, 215, 214, 213, 212

Penetration Test Values (Blows / 0.3m): Dynamic Cone (×) 10 20 30 40

Undrained Shear Strength (kPa): Unconfined (○) Field Vane (+) Pocket Penetrometer (●) Lab Vane (■) 40 80 120 160

Moisture / Plasticity: Plastic Limit (PL) Natural Water Content (MC) Liquid Limit (LL) 10 20 30

Headspace Vapour (ppm):

	FID: 10
	FID: 10
	FID: 5
	FID: 15
	FID: 70
309	FID: 30
379	FID: 45
360	FID: 45
	FID: 15
	FID: 5
	FID: 5
	FID: 15
	FID: 15

Instrument Details: Unstabilized Water Level

Lab Data and Comments: GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL

- SS1 Analysis: PAH
- SS2 Analysis: M&I
- SS6 Analysis: VOC, PHC
- SS12 Analysis: M&I, PAH
- SS13 Analysis: VOC, PHC

END OF BOREHOLE

Unstabilized water level measured at 8.8 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 18, 2017	2.9	218.4
Apr 20, 2017	1.9	219.4
Jun 19, 2017	2.0	219.3

file: 1-17-0147-42 -all boreholes.gpj

LOG OF BOREHOLE 301

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 28, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 1 of 2	Location : Barrie, Ontario	Checked by : MB

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Hollow stem augers

Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
219.7	**GROUND SURFACE**				
219.5	150mm **TOPSOIL**				
0.2	**FILL**, sandy silt, trace gravel, trace rootlets, compact, brown, moist		1	SS	10
			2	SS	13
218.2					
1.5	**FILL**, sandy gravel, compact, brown and black, wet		3	SS	14
217.4					
2.3	**PEAT**, non-woody, fine fibrous, containing mounds of coarse fibers, loose, black, moist		4	SS	8
			5	SS	3
			6A	SS	3
214.8			6B		
4.9	**SAND**, some silt, loose, dark brown to black, wet				
	...at 6.1 m, to sand, trace silt, grey, compact, wet		7	SS	15
			8	SS	15
			9	SS	5

Penetration Test Values (Blows / 0.3m)
Dynamic Cone
Undrained Shear Strength (kPa)
Unconfined, Field Vane, Pocket Penetrometer, Lab Vane

Moisture / Plasticity
Plastic Limit, Natural Water Content, Liquid Limit
PL, MC, LL

Headspace Vapour (ppm)
FID: 0
FID: 15
FID: 5
212 FID: 20
379 FID: 20
483 FID: 25
51 FID: 15
FID: 25
FID: 10
FID: 5

Instrument Details

Unstabilized Water Level

Lab Data and Comments
GRAIN SIZE DISTRIBUTION (%) (MIT)
GR SA SI CL

SS1 Analysis:
M&I

SS2 Analysis:
PAH, VOC, PHC

0 66 28 6

(continued next page)

LOG OF BOREHOLE 301

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 28, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 2 of 2	Location : Barrie, Ontario	Checked by : MB

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Hollow stem augers

Depth Scale (m)	Elev / Depth (m)	Description (continued)	Graphic Log	Sample Number	Sample Type	SPT 'N' Value	Elevation Scale (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, MC, LL)	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
11		**SAND**, some silt, loose, dark brown to black, wet *(continued)*					209					
				10	SS	7				FID: 10		
12							208					
	206.9 / 12.8			11	SS	4	207			FID: 15		SS11 Analysis: M&I, PAH, VOC, PHC

END OF BOREHOLE

Unstabilized water level measured at 5.5 m below ground surface; borehole caved to 11.9 m below ground surface upon completion of drilling.

50 mm dia. monitoring well installed. 10' screen installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Jul 4, 2017	0.8	218.9

file: 1-17-0147-42 bh logs_300 series.gpj

LOG OF BOREHOLE 302

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 28, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 1 of 2	Location : Barrie, Ontario	Checked by : MB

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Hollow stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	221.8	**GROUND SURFACE**				
	221.6	150mm **TOPSOIL**				
	0.2	**FILL**, silty sand, trace gravel, trace rootlets, trace wood fragments, compact, brown, moist		1	SS	13
1				2	SS	15
		...at 1.5 m, trace asphalt		3	SS	14
2						
		...at 2.3 m, some brick fragments, red		4	SS	41
3	218.8					
	3.0	**FILL**, sand and gravel, compact, brown to black, wet		5	SS	22
4						
	217.2					
	4.6	**PEAT**, non-woody, fine fibrous, containing mounds of coarse fibers, loose, black, wet		6	SS	6
5						
6	215.7					
	6.1	**SAND**, trace silt, loose, brown, wet		7	SS	9
7						
		...at 7.6 m, grey		8	SS	18
8						
9				9	SS	8
10						

Penetration Test Values (Blows / 0.3m)
Dynamic Cone: 10 20 30 40
Undrained Shear Strength (kPa)
Unconfined, Pocket Penetrometer, Field Vane, Lab Vane: 40 80 120 160

Elevation Scale (m): 221 220 219 218 217 216 215 214 213 212

Moisture / Plasticity
Plastic Limit, Natural Water Content, Liquid Limit
PL MC LL
10 20 30

Headspace Vapour (ppm)
FID: 0
FID: 0
FID: 25
FID: 20
FID: 30
312
FID: 10
FID: 0
FID: 5
FID: 0

Instrument Details

Unstabilized Water Level

Lab Data and Comments
GRAIN SIZE DISTRIBUTION (%) (MIT)
GR SA SI CL

SS1 Analysis:
M&I

SS2 Analysis:
PAH, VOC, PHC

(continued next page)

LOG OF BOREHOLE 302

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 28, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 2 of 2	Location : Barrie, Ontario	Checked by : MB

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Hollow stem augers

Depth Scale (m)	Elev / Depth (m)	Description (continued)	Graphic Log	Number	Type	SPT 'N' Value	Elevation Scale (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, MC, LL)	Headspace Vapour (ppm)	Instrument Details	Unstabilized Water Level	Lab Data and Comments (GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL)
11		**SAND**, trace silt, loose, brown, wet *(continued)*		10	SS		211			FID: 5			
12				11	SS	2	210			FID: 15			SS11 Analysis: M&I, PAH, VOC, PHC
	209.0 / 12.8												

Penetration Test Values (Blows / 0.3m): Dynamic Cone; 10 20 30 40
Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane; 40 80 120 160
Moisture / Plasticity: Plastic Limit, Natural Water Content, Liquid Limit; PL MC LL; 10 20 30

END OF BOREHOLE

Unstabilized water level measured at 6.1 m below ground surface; borehole caved to 11.6 m below ground surface upon completion of drilling.

50 mm dia. monitoring well installed.
10' screen installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Jul 4, 2017	3.4	218.5

LOG OF BOREHOLE 303

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 29, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 1 of 2	Location : Barrie, Ontario	Checked by : MB

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Hollow stem augers

Depth (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
	220.2	**GROUND SURFACE**				
0	220.0	150mm **TOPSOIL**				
	0.2	**FILL**, silty sand, trace gravel, trace rootlets, trace wood fragments, loose, brown, moist		1	SS	8
1		...at 0.8 m, compact		2	SS	19
	218.7					
	1.5	**FILL**, sand and gravel, compact, brown to grey, moist		3	SS	18
2		...at 2.3 m, to sand, trace silt, trace gravel, loose, grey, wet		4	SS	2
3	217.2					
	3.0	**PEAT**, non-woody, fine fibrous, containing mounds of coarse fibers, loose, black, moist		5	SS	2
4						
	215.6					
	4.6	**SAND**, trace silt, loose, brown, wet		6	SS	7
5						
6		...at 6.1 m, compact, grey		7	SS	10
7						
8				8	SS	10
9				9A	SS	12
				9B		
10						

Elevation Scale (m): 220, 219, 218, 217, 216, 215, 214, 213, 212, 211

Penetration Test Values (Blows / 0.3m)
Dynamic Cone: 10, 20, 30, 40
Undrained Shear Strength (kPa)
Unconfined, Pocket Penetrometer, Field Vane, Lab Vane
40, 80, 120, 160

Moisture / Plasticity
Plastic Limit, Natural Water Content, Liquid Limit
PL, MC, LL
10, 20, 30

Headspace Vapour (ppm)

1	FID: 5
2	FID: 20
3	FID: 5
4	FID: 15
5	491 FID: 10
6	FID: 15
7	FID: 80
8	FID: 15
9A	FID: 0
9B	FID: 0

Instrument Details: Unstabilized Water Level

Lab Data and Comments
GRAIN SIZE DISTRIBUTION (%) (MIT)
GR SA SI CL

SS1 Analysis:
M&I

SS2 Analysis:
PAH, VOC, PHC

(continued next page)

LOG OF BOREHOLE 303

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 29, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 2 of 2	Location : Barrie, Ontario	Checked by : MB

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Hollow stem augers

Depth Scale (m)	Elev / Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value	Elevation Scale (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, MC, LL)	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
11		**SAND**, trace silt, loose, brown, wet *(continued)*		10	SS	7	210			FID: 0		
12				11	SS	7	209					SS11 Analysis: M&I, PAH, VOC, PHC
	207.4 / 12.8	**END OF BOREHOLE**					208					

Penetration Test Values (Blows / 0.3m): Dynamic Cone; scale 10 20 30 40
Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane; scale 40 80 120 160
Moisture / Plasticity: Plastic Limit (PL) 10, Natural Water Content (MC) 20, Liquid Limit (LL) 30
Unstabilized Water Level
Lab Data and Comments: GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.
10' screen installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Jul 4, 2017	1.6	218.6

file: 1-17-0147-42 bh logs_300 series.gpj

LOG OF BOREHOLE 304

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 29, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 1 of 2	Location : Barrie, Ontario	Checked by : MB
Position :	Elevation Datum : Geodetic	
Rig type : Track-mounted	Drilling Method : Hollow stem augers	

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value	Elevation Scale (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, MC, LL)	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
0	220.1	**GROUND SURFACE**					220					
	219.9	150mm **TOPSOIL**										
	0.2	**FILL**, silty sand, trace clay, trace gravel, trace rootlets, trace wood fragments, loose, brown, moist		1	SS	3				FID: 5		SS1 Analysis: M&I
1				2	SS	12	219			FID: 15		SS2 Analysis: PAH, VOC, PHC
				3	SS	7				FID: 5		
2		...at 2.3 m, trace brick fragments, red		4	SS	7	218			FID: 10		
	217.1											
3	3.0	**FILL**, clayey silt, trace rootlets, soft, dark brown, wet		5	SS	2	217			108 FID: 0		
4							216					
	215.5											
	4.6	**FILL**, gravelly sand, compact, brown, wet		6	SS	22				FID: 0		
5							215					
6	214.0						214					
	6.1	**PEAT**, non-woody, fine fibrous, containing mounds of coarse fibers, loose, black, moist		7	SS	7				326 FID: 30		
7							213					
				8	SS	3				306 FID: 25		
8							212					
	210.8	...at 9.1 m, woody		9A						184 FID: 30		
9	9.3	**SAND AND SILT**, trace sea shells, loose, grey, wet		9B	SS	2	211			107 FID: 15		
10							210					

(continued next page)

LOG OF BOREHOLE 304

Terraprobe

Project No. : 1-17-0147-42	Client : Fortress Kempenfelt Bay Developments Inc.	Originated by : NG
Date started : June 29, 2017	Project : 75 Bradford Street	Compiled by : SM
Sheet No. : 2 of 2	Location : Barrie, Ontario	Checked by : MB

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Hollow stem augers

Depth Scale (m)	Elev / Depth (m)	Description (continued)	Graphic Log	Sample Number	Sample Type	SPT 'N' Value	Elevation Scale (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, MC, LL)	Headspace Vapour (ppm)	Instrument Details	Lab Data and Comments
11		**SAND AND SILT**, trace sea shells, loose, grey, wet *(continued)*		10	SS	9	209			120 FID: 10		0 24 65 11
12		...at 12.2 m, compact		11	SS	16	208					SS11 Analysis: M&I, PAH, VOC, PHC, Dup1
	207.3 / 12.8	**END OF BOREHOLE**										

Penetration Test Values (Blows / 0.3m): Dynamic Cone (10 20 30 40)
Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane (40 80 120 160)
Moisture / Plasticity: Plastic Limit, Natural Water Content, Liquid Limit (PL, MC, LL; 10 20 30)
Unstabilized Water Level
Lab Data and Comments: GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.
10' screen installed.

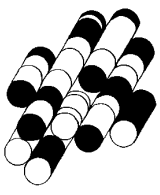
WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Jul 4, 2017	0.6	219.5

file: 1-17-0147-42 bh logs_300 series.gpj

APPENDIX C

TERRAPROBE INC.

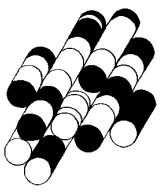


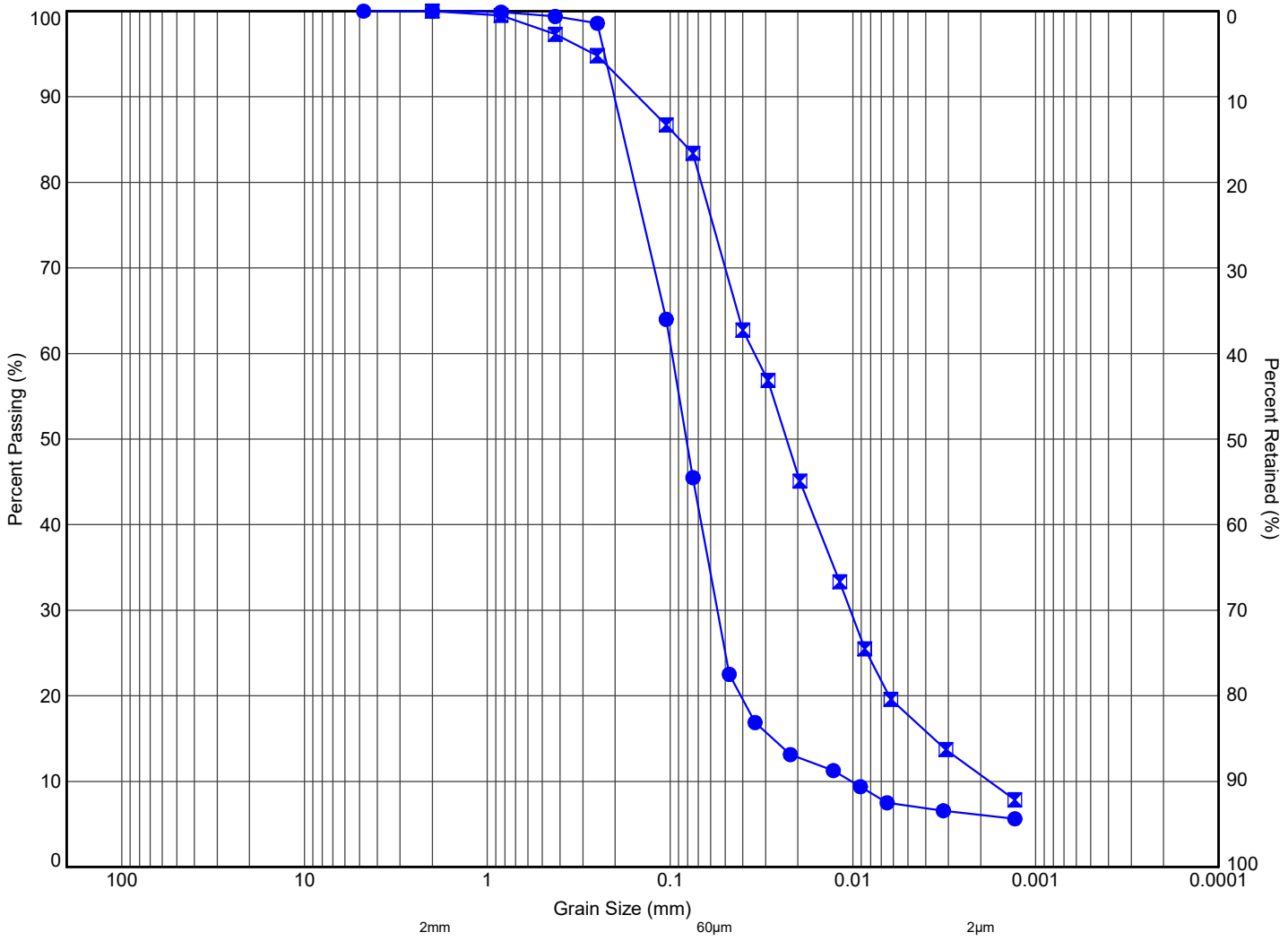
GROUND WATER ELEVATIONS
51-75 Bradford Street
PROJECT # 1-17-0147-42

Borehole No.	Ground Elev. (masl)	Well Screen Elevation (masl)	Strata Screened	Water Level									
				18-Apr-17		20-Apr-17		19-Jun-17		4-Jul-17		5-Jul-17	
				Depth (m)	Elevation (masl)	Depth (m)	Elevation (masl)	Depth (m)	Elevation (masl)	Depth (m)	Elevation (masl)	Depth (m)	Elevation (masl)
BH201	220.7	215.8-212.8	Sand	1.52	219.18	1.52	219.18	1.67	219.03	-	-	-	-
BH202	221.8	218.8-215.7	Peat & Sand	2.39	219.41	2.42	219.38	2.49	219.31	-	-	-	-
BH203	222.1	217.5-214.7	Sand	2.56	219.54	2.57	219.53	2.65	219.45	-	-	-	-
BH204	222.3	217.7-214.7	Sand	2.82	219.48	2.84	219.46	2.87	219.43	-	-	-	-
BH205	222.4	217.8-214.8	Sand	2.40	220.00	2.42	219.98	2.59	219.81	-	-	-	-
BH206	221.2	216.6-213.6	Sand	1.02	220.18	1.04	220.16	1.25	219.95	-	-	-	-
BH207	221.9	217.3-214.3	Sand	1.80	220.10	1.82	220.08	1.99	219.91	-	-	-	-
BH208	220.8	214.7-211.7	Sand	0.60	220.20	0.60	220.20	0.72	220.08	-	-	-	-
BH209	220.7	213.1-210.0	Sand & Sandy Silt	1.17	219.53	1.18	219.52	1.28	219.42	-	-	-	-
BH210	221.3	215.2-212.2	Sand	1.87	219.43	1.88	219.42	1.96	219.34	-	-	-	-
BH301	219.7	210.6-207.5	Sand	-	-	-	-	-	-	0.09	219.61	0.09	219.61
BH302	221.8	212.8-209.7	Sand	-	-	-	-	-	-	2.50	219.30	2.50	219.30
BH303	220.2	211.3-208.2	Sand	-	-	-	-	-	-	0.77	219.43	0.77	219.43
BH304	220.1	210.8-207.7	Sand & Silt	-	-	-	-	-	-	0.27	219.83	0.27	219.83
MW1-09S (EMW2)	219.6	218.38-215.33	Fill & Peat	0.35	219.25	0.32	219.28	0.48	219.12	-	-	-	-
MW1-09D (EMW1)	219.6	211.98-210.46	Marl	0.04	219.56	0.03	219.57	0.37	219.23	-	-	-	-
MW4-09 (EMW7)	220.8	216.2-214.7	Peat & Sand	0.95	219.85	0.95	219.85	1.10	219.70	-	-	-	-
MW5-09 (EMW8)	221.9	216.2-214.6	Sand	2.42	219.48	2.43	219.47	2.52	219.38	-	-	-	-
MW6-09 (EMW6)	220.3	218.7-218.0	Fill	0.45	219.85	0.46	219.84	-	-	-	-	-	-
PMW1 (EMW9)	222.9	219.9-216.9	Sand	2.75	220.15	2.78	220.12	2.90	220.00	-	-	-	-
TBH120 (EMW4)	220.3	218.7-216.8	Fill	0.77	219.53	0.73	219.57	0.92	219.38	-	-	-	-

APPENDIX D

TERRAPROBE INC.





MIT SYSTEM	COBBLES	GRAVEL			SAND			SILT	CLAY
		COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE		

MIT SYSTEM

	Hole ID	Sample	Depth (m)	Elev. (m)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	*(Fines, %)*
●	**301**	SS9	9.4	210.2	0	66	28	6	
⊠	**304**	SS10	11.0	209.1	0	24	65	11	

Terraprobe
11 Indell Lane, Brampton Ontario L6T 3Y3
(905) 796-2650

Title: **GRAIN SIZE DISTRIBUTION**

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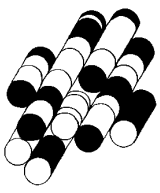
File No.: **1-17-0147-42**

APPENDIX E

TERRAPROBE INC.



PREVIOUS TERRAPROBE PHASE TWO ESA RESULTS

2008-2009

SOIL RESULTS

Table 1 Standards, MOECC 2011

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID Lab ID / Sample ID Sample Collection Date *Parameter*	*Criteria* [1]	*Units*	*RDL*	BH 115 ; -1.0M A853016 / Y82280 May 22, 2008	BH 115 ; -2.0M A853016 / Y82281 May 22, 2008	BH 116 ; -0.5M A853016 / Y82282 May 22, 2008	BH 116 ; -2.3M A853016 / Y82283 May 22, 2008	BH 117 ; -3.0M A853016 / Y82284 May 23, 2008	BH 117 ; -5.0M A853016 / Y82285 May 23, 2008	TP1 SA1 A9C9172 / DW1257 Sep 28, 2009	TP3 SA1 A9C9172 / DW1258 Sep 28, 2009	TP6 SA1 A9C9172 / DW1259 Sep 28, 2009
Moisture		%	0.20	12	11	11	14	13	18	13	13	13
Chromium (VI)	0.66	ug/g	0.2 - 1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	<0.05	0.06	<0.05	<0.05	0.34	<0.05	<0.050	<0.050	0.14
Acid Extractable Antimony (Sb)	1.3	ug/g	0.20	0.34	<0.20	<0.20	<0.20	0.41	1.6	<0.20	<0.20	0.5
Acid Extractable Arsenic (As)	18	ug/g	1.0	1.5	1.6	<1.0	<1.0	2.3	3.7	<1.0	<1.0	1.8
Acid Extractable Barium (Ba)	220	ug/g	0.50	74	53	42	16	100	59	31	52	59
Acid Extractable Beryllium (Be)	2.5	ug/g	0.20	0.21	<0.20	<0.20	<0.20	<0.20	0.22	<0.20	0.25	0.25
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	0.43	<0.10	<0.10	<0.10	0.12	<0.10	<0.10	0.3	0.22
Acid Extractable Chromium (Cr)	70	ug/g	1.0	16	11	10	13	12	16	6.8	12	13
Acid Extractable Cobalt (Co)	21	ug/g	0.10	2.7	3	3.6	1.4	2.3	3.3	2.3	3.4	3.8
Acid Extractable Copper (Cu)	92	ug/g	0.50	18	9.1	8.6	7.7	13	25	6.3	14	13
Acid Extractable Lead (Pb)	120	ug/g	1.0	74	24	4.6	6.6	61	50	12	16	74
Acid Extractable Molybdenum (Mo)	2	ug/g	0.50 - 2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Acid Extractable Nickel (Ni)	82	ug/g	0.50 - 5.0	6.4	5.7	6.7	12	3.8	6.8	4.5	12	14
Acid Extractable Selenium (Se)	1.5	ug/g	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.52
Acid Extractable Silver (Ag)	0.5	ug/g	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	0.062	<0.050	0.052	<0.050	<0.050	<0.050	<0.050	0.072	0.063
Acid Extractable Vanadium (V)	86	ug/g	5.0	19	17	19	11	21	18	20	22	110
Acid Extractable Zinc (Zn)	290	ug/g	5.0	69	38	20	15	110	76	18	33	68
Fraction of Organic Carbon		g/g	0.00050	-	-	-	-	-	-	0.0094	0.0073	0.017
Sodium Adsorption Ratio	2.4	N/A		-	-	-	-	-	-	1.3	1.7	0.76
Conductivity	0.57	mS/cm	0.002	-	-	-	-	-	-	0.18	0.2	0.47
Free Cyanide	0.051	ug/g	0.01 - 0.05	-	-	-	-	-	-	<0.01	<0.01	0.01
Total Organic Carbon		mg/kg	500	-	-	-	-	-	-	9400	7300	17000
Available (CaCl2) pH		pH		-	-	-	-	-	-	7.89	7.68	7.93
Hot Water Ext. Boron (B)		ug/g	0.010 - 0.030	-	-	-	-	-	-	0.35	0.17	1.7
Benzene	0.02	ug/g	0.002 - 0.1	-	-	-	-	-	-	-	-	<0.1
Ethylbenzene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-	-	-	-	<0.1
Toluene	0.2	ug/g	0.002 - 0.1	-	-	-	-	-	-	-	-	<0.1
p+m-Xylene		ug/g	0.002 - 0.1	-	-	-	-	-	-	-	-	<0.1
o-Xylene		ug/g	0.002 - 0.1	-	-	-	-	-	-	-	-	<0.1
Total Xylenes	0.05	ug/g	0.002 - 0.1	-	-	-	-	-	-	-	-	<0.1
F1 (C6-C10)	25	ug/g	10 - 30	-	-	-	-	-	-	-	-	81
F1 (C6-C10) - BTEX	25	ug/g	10 - 30	-	-	-	-	-	-	-	-	81
F2 (C10-C16 Hydrocarbons)	10	ug/g	10 - 30	-	-	-	-	-	-	-	-	140
F3 (C16-C34 Hydrocarbons)	240	ug/g	10 - 30	-	-	-	-	-	-	-	-	<10
F4 (C34-C50 Hydrocarbons)	120	ug/g	10 - 30	-	-	-	-	-	-	-	-	<10
Reached Baseline at C50		ug/g		-	-	-	-	-	-	-	-	YES
Acenaphthene	0.072	ug/g	0.010 - 0.20	-	-	-	-	-	-	-	-	-
Acenaphthylene	0.093	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

Sample ID Lab ID / Sample ID Sample Collection Date *Parameter*	*Criteria* [1]	*Units*	*RDL*	TP7 SA1 A9C9172 / DW1260 Sep 28, 2009	TP11 SA1 A9C9172 / DW1261 Sep 28, 2009	TP12 SA2 A9C9172 / DW1262 Sep 28, 2009	BH1-09 SA5 A9C9176 / DW1288 Sep 28, 2009	BH1-09 SA11 A9C9176 / DW1289 Sep 28, 2009	BH1-09 SA12 A9C9176 / DW1290 Sep 28, 2009	BH2-09 SA 4A A9C9176 / DW1291 Sep 28, 2009	BH2-09 SA 4B A9C9176 / DW1292 Sep 28, 2009	BH2-09 SA9 A9C9176 / DW1293 Sep 28, 2009	BH2-09 SA11 A9C9176 / DW1294 Sep 28, 2009
Moisture		%	0.20	66	28	83	13	63	54	8	13	61	17
Chromium (VI)	0.66	ug/g	0.2 - 1	<0.4	<0.2	<1	<0.2	<0.2	<0.2	<0.2	-	<1	<0.2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	0.47	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050
Acid Extractable Antimony (Sb)	1.3	ug/g	0.20	2.3	0.22	<0.20	<0.20	<0.20	<0.20	<0.20	-	0.52	<0.20
Acid Extractable Arsenic (As)	18	ug/g	1.0	8.8	1.1	<1.0	1.6	1.5	1.7	<1.0	-	2.2	<1.0
Acid Extractable Barium (Ba)	220	ug/g	0.50	160	49	22	29	180	210	42	-	71	26
Acid Extractable Beryllium (Be)	2.5	ug/g	0.20	0.55	<0.20	<0.20	0.2	<0.20	<0.20	<0.20	-	<0.20	<0.20
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	3	0.34	<0.10	<0.10	<0.10	<0.10	0.19	-	0.17	<0.10
Acid Extractable Chromium (Cr)	70	ug/g	1.0	120	26	4.1	8.7	3.6	2.5	19	-	6.4	5.3
Acid Extractable Cobalt (Co)	21	ug/g	0.10	12	2.8	0.36	2	0.39	0.52	3.1	-	1.4	1.8
Acid Extractable Copper (Cu)	92	ug/g	0.50	220	21	5.9	5.5	7.8	5.5	10	-	8.5	2.7
Acid Extractable Lead (Pb)	120	ug/g	1.0	320	55	<1.0	9.9	2.9	<1.0	33	-	60	1.4
Acid Extractable Molybdenum (Mo)	2	ug/g	0.50 - 2.5	9.3	<0.50	1	<0.50	<2.5	1.7	<0.50	-	<0.50	<0.50
Acid Extractable Nickel (Ni)	82	ug/g	0.50 - 5.0	1500	22	1	4.1	1.8	1.2	6.6	-	3.6	3.4
Acid Extractable Selenium (Se)	1.5	ug/g	0.50	2.6	0.66	1.3	0.55	1.3	0.56	<0.50	-	<0.50	<0.50
Acid Extractable Silver (Ag)	0.5	ug/g	0.20	0.42	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	0.24	<0.050	<0.050	<0.050	<0.050	<0.050	0.057	-	0.075	<0.050
Acid Extractable Vanadium (V)	86	ug/g	5.0	44	22	12	23	9	9.2	22	-	13	19
Acid Extractable Zinc (Zn)	290	ug/g	5.0	830	71	<5.0	24	12	10	33	-	61	9.1
Fraction of Organic Carbon		g/g	0.00050	0.11	0.019	0.47	0.0059	0.072	0.071	0.013	0.015	0.035	0.0067
Sodium Adsorption Ratio	2.4	N/A		0.51	0.82	0.37	0.3	0.27	0.24	1.1	-	-	0.33
Conductivity	0.57	mS/cm	0.002	2	0.81	0.2	0.16	0.39	0.25	0.25	-	-	0.15
Free Cyanide	0.051	ug/g	0.01 - 0.05	1.7	0.06	0.07	0.02	<0.01	<0.01	<0.01	-	0.04	<0.01
Total Organic Carbon		mg/kg	500	110000	19000	470000	5900	72000	71000	13000	15000	35000	6700
Available (CaCl2) pH		pH		7.26	7.34	5.92	7.44	7.34	7.44	7.77	-	7.5	7.78
Hot Water Ext. Boron (B)		ug/g	0.010 - 0.030	0.6	0.55	1	-	0.39	0.55	-	-	-	0.048
Benzene	0.02	ug/g	0.002 - 0.1	-	-	-	<0.002	<0.002	<0.002	0.003	<0.002	0.007	-
Ethylbenzene	0.05	ug/g	0.002 - 0.1	-	-	-	0.004	<0.002	<0.002	0.005	0.002	0.005	-
Toluene	0.2	ug/g	0.002 - 0.1	-	-	-	0.01	<0.002	<0.002	0.015	0.007	0.023	-
p+m-Xylene		ug/g	0.002 - 0.1	-	-	-	0.004	<0.002	<0.002	0.007	0.004	0.009	-
o-Xylene		ug/g	0.002 - 0.1	-	-	-	<0.002	<0.002	<0.002	0.002	<0.002	0.003	-
Total Xylenes	0.05	ug/g	0.002 - 0.1	-	-	-	0.004	<0.002	<0.002	0.01	0.004	0.012	-
F1 (C6-C10)	25	ug/g	10 - 30	-	-	-	<10	<30	<20	<10	-	<30	-
F1 (C6-C10) - BTEX	25	ug/g	10 - 30	-	-	-	<10	<30	<20	<10	-	<30	-
F2 (C10-C16 Hydrocarbons)	10	ug/g	10 - 30	-	-	-	<10	<30	<20	<10	<10	<30	-
F3 (C16-C34 Hydrocarbons)	240	ug/g	10 - 30	-	-	-	<10	91	52	150	280	190	-
F4 (C34-C50 Hydrocarbons)	120	ug/g	10 - 30	-	-	-	<10	<30	<20	190	92	<30	-
Reached Baseline at C50		ug/g		-	-	-	YES	YES	YES	NO	NO	YES	-
Acenaphthene	0.072	ug/g	0.010 - 0.20	-	-	-	<0.010	<0.12	-	-	0.22	<0.20	-
Acenaphthylene	0.093	ug/g	0.0050 - 0.10	-	-	-	<0.0050	<0.060	-	-	<0.10	<0.10	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

Sample ID Lab ID / Sample ID Sample Collection Date *Parameter*	*Criteria* [1]	*Units*	*RDL*	BH 115 ; -1.0M A853016 / Y82280 May 22, 2008	BH 115 ; -2.0M A853016 / Y82281 May 22, 2008	BH 116 ; -0.5M A853016 / Y82282 May 22, 2008	BH 116 ; -2.3M A853016 / Y82283 May 22, 2008	BH 117 ; -3.0M A853016 / Y82284 May 23, 2008	BH 117 ; -5.0M A853016 / Y82285 May 23, 2008	TP1 SA1 A9C9172 / DW1257 Sep 28, 2009	TP3 SA1 A9C9172 / DW1258 Sep 28, 2009	TP6 SA1 A9C9172 / DW1259 Sep 28, 2009
Anthracene	0.16	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.36	ug/g	0.010 - 0.20	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.47	ug/g	0.010 - 0.20	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	0.68	ug/g	0.020 - 0.40	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.48	ug/g	0.010 - 0.20	-	-	-	-	-	-	-	-	-
Chrysene	2.8	ug/g	0.010 - 0.20	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 0.40	-	-	-	-	-	-	-	-	-
Fluoranthene	0.56	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Fluorene	0.12	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.23	ug/g	0.020 - 0.40	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene	0.59	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	0.59	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Naphthalene	0.09	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Phenanthrene	0.69	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Pyrene	1	ug/g	0.0050 - 0.10	-	-	-	-	-	-	-	-	-
Acetone (2-Propanone)	0.5	ug/g	0.1	-	-	-	-	-	-	-	-	-
Bromodichloromethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Bromoform	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Bromomethane	0.05	ug/g	0.003	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Chlorobenzene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Chloroform	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Dibromochloromethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,1-Dichloroethylene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethylene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethylene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Ethylene Dibromide	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Methylene Chloride(Dichloromethane)	0.05	ug/g	0.003	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	0.5	ug/g	0.03	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.5	ug/g	0.03	-	-	-	-	-	-	-	-	-
Methyl t-butyl ether (MTBE)	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Styrene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Trichloroethylene	0.05	ug/g	0.002	-	-	-	-	-	-	-	-	-
Vinyl Chloride	0.02	ug/g	0.002	-	-	-	-	-	-	-	-	-
F4G-sg (Grav. Heavy Hydrocarbons)	120	ug/g	100	-	-	-	-	-	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Criteria 1	Reg153/04 T1-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

Sample ID Lab ID / Sample ID Sample Collection Date *Parameter*	*Criteria* [1]	*Units*	*RDL*	TP7 SA1 A9C9172 / DW1260 Sep 28, 2009	TP11 SA1 A9C9172 / DW1261 Sep 28, 2009	TP12 SA2 A9C9172 / DW1262 Sep 28, 2009	BH1-09 SA5 A9C9176 / DW1288 Sep 28, 2009	BH1-09 SA11 A9C9176 / DW1289 Sep 28, 2009	BH1-09 SA12 A9C9176 / DW1290 Sep 28, 2009	BH2-09 SA 4A A9C9176 / DW1291 Sep 28, 2009	BH2-09 SA 4B A9C9176 / DW1292 Sep 28, 2009	BH2-09 SA9 A9C9176 / DW1293 Sep 28, 2009	BH2-09 SA11 A9C9176 / DW1294 Sep 28, 2009
Anthracene	0.16	ug/g	0.0050 - 0.10	-	-	-	<0.0050	<0.060	-	-	0.68	0.26	-
Benzo(a)anthracene	0.36	ug/g	0.010 - 0.20	-	-	-	<0.010	<0.12	-	-	1.3	0.6	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.10	-	-	-	0.0074	<0.060	-	-	1.1	0.46	-
Benzo(b/j)fluoranthene	0.47	ug/g	0.010 - 0.20	-	-	-	0.012	<0.12	-	-	1.5	0.69	-
Benzo(g,h,i)perylene	0.68	ug/g	0.020 - 0.40	-	-	-	<0.020	<0.24	-	-	0.63	<0.40	-
Benzo(k)fluoranthene	0.48	ug/g	0.010 - 0.20	-	-	-	<0.010	<0.12	-	-	0.61	0.27	-
Chrysene	2.8	ug/g	0.010 - 0.20	-	-	-	<0.010	<0.12	-	-	1.1	0.51	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 0.40	-	-	-	<0.020	<0.24	-	-	<0.40	<0.40	-
Fluoranthene	0.56	ug/g	0.0050 - 0.10	-	-	-	0.018	<0.060	-	-	3.4	1.5	-
Fluorene	0.12	ug/g	0.0050 - 0.10	-	-	-	<0.0050	<0.060	-	-	0.33	0.13	-
Indeno(1,2,3-cd)pyrene	0.23	ug/g	0.020 - 0.40	-	-	-	<0.020	<0.24	-	-	0.64	<0.40	-
1-Methylnaphthalene	0.59	ug/g	0.0050 - 0.10	-	-	-	<0.0050	<0.060	-	-	<0.10	<0.10	-
2-Methylnaphthalene	0.59	ug/g	0.0050 - 0.10	-	-	-	<0.0050	<0.060	-	-	<0.10	<0.10	-
Naphthalene	0.09	ug/g	0.0050 - 0.10	-	-	-	<0.0050	<0.060	-	-	0.15	0.18	-
Phenanthrene	0.69	ug/g	0.0050 - 0.10	-	-	-	0.0099	<0.060	-	-	2.9	1.4	-
Pyrene	1	ug/g	0.0050 - 0.10	-	-	-	0.015	<0.060	-	-	2.6	1.2	-
Acetone (2-Propanone)	0.5	ug/g	0.1	-	-	-	<0.1	0.2	-	-	0.1	0.6	-
Bromodichloromethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Bromoform	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Bromomethane	0.05	ug/g	0.003	-	-	-	<0.003	<0.003	-	-	<0.003	<0.003	-
Carbon Tetrachloride	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Chlorobenzene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Chloroform	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Dibromochloromethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,2-Dichlorobenzene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,3-Dichlorobenzene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,4-Dichlorobenzene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,1-Dichloroethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,2-Dichloroethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,1-Dichloroethylene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
cis-1,2-Dichloroethylene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
trans-1,2-Dichloroethylene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,2-Dichloropropane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Ethylene Dibromide	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Methylene Chloride(Dichloromethane)	0.05	ug/g	0.003	-	-	-	<0.003	<0.003	-	-	<0.003	0.003	-
Methyl Isobutyl Ketone	0.5	ug/g	0.03	-	-	-	<0.03	<0.03	-	-	<0.03	<0.03	-
Methyl Ethyl Ketone (2-Butanone)	0.5	ug/g	0.03	-	-	-	<0.03	<0.03	-	-	<0.03	<0.03	-
Methyl t-butyl ether (MTBE)	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Styrene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,1,1,2-Tetrachloroethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Tetrachloroethylene	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	0.003	-
1,1,1-Trichloroethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
1,1,2-Trichloroethane	0.05	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
Trichloroethylene	0.05	ug/g	0.002	-	-	-	<0.002	0.006	-	-	<0.002	0.019	-
Vinyl Chloride	0.02	ug/g	0.002	-	-	-	<0.002	<0.002	-	-	<0.002	<0.002	-
F4G-sg (Grav. Heavy Hydrocarbons)	120	ug/g	100	-	-	-	-	-	-	640	940	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Criteria 1	Reg153/04 T1-Soil/Res

SOIL RESULTS

Table 2 Standards, MOECC 2011

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TP6:SA3 (-2.8M)**	**TP8:SA2 (-2.0M)**	**TP9:SA3 (-2.5M)**	**TP10:SA2 (-1.0M)**	**TP12:SA2 (-2.0M)**
Maxxam Job ID / Sample ID				**A864256 / Z34717**	**A864256 / Z34718**	**A864256 / Z34719**	**A864256 / Z34720**	**A864256 / Z34721**
Sample Collection Date								
Parameter	***Criteria [1]***	***Units***	***RDL***					
Moisture		%	0.20	20	35	53	32	29
Chromium (VI)	8	ug/g	0.2 - 4	-	<0.4	<2	<0.2	-
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	-	0.08	0.08	0.07	-
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	-	**10**	4.7	3.8	-
Acid Extractable Arsenic (As)	18	ug/g	1.0	-	18	14	8.6	-
Acid Extractable Barium (Ba)	390	ug/g	0.50	-	**680**	**630**	65	-
Acid Extractable Beryllium (Be)	4	ug/g	0.20	-	0.61	0.84	0.26	-
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	-	0.65	0.43	0.39	-
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	-	**190**	**300**	11	-
Acid Extractable Cobalt (Co)	22	ug/g	0.10	-	3.4	2.4	3.3	-
Acid Extractable Copper (Cu)	140	ug/g	0.50	-	82	53	38	-
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	-	**230**	**250**	**130**	-
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	-	1.8	2.2	0.66	-
Acid Extractable Nickel (Ni)	100	ug/g	0.50	-	9.8	6.8	7.4	-
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	-	1.3	0.77	0.52	-
Acid Extractable Silver (Ag)	20	ug/g	0.20	-	<0.20	<0.20	<0.20	-
Acid Extractable Thallium (Tl)	1	ug/g	0.050	-	0.21	0.1	<0.050	-
Acid Extractable Vanadium (V)	86	ug/g	5.0	-	23	17	20	-
Acid Extractable Zinc (Zn)	340	ug/g	5.0	-	250	260	89	-
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	-	-	-	-
Benzene	0.21	ug/g	0.002 - 0.1	<0.020	-	-	-	<0.020
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	-	-	-	-
Bromoform	0.27	ug/g	0.002 - 0.1	-	-	-	-	-
Bromomethane	0.05	ug/g	0.003 - 0.2	-	-	-	-	-
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	-	-	-	-
Chloroform	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	-	-	-	-
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	-	-	-	-
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	-	-	-	-
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	-	-	-	-
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Ethylbenzene	1.1	ug/g	0.002 - 0.1	<0.020	-	-	-	0.063
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	-	-	-	-
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	-	-	-	-
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	-	-	-	-
Styrene	0.7	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	-	-	-	-
Toluene	2.3	ug/g	0.002 - 0.1	<0.020	-	-	-	0.12
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	-	-	-	-
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	-	-	-	-

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TP6:SA3 (-2.8M)**	**TP8:SA2 (-2.0M)**	**TP9:SA3 (-2.5M)**	**TP10:SA2 (-1.0M)**	**TP12:SA2 (-2.0M)**
Maxxam Job ID / Sample ID				**A864256 / Z34717**	**A864256 / Z34718**	**A864256 / Z34719**	**A864256 / Z34720**	**A864256 / Z34721**
Sample Collection Date								
Parameter	***Criteria [1]***	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	<0.040	-	-	-	0.23
o-Xylene		ug/g	0.002 - 0.1	<0.020	-	-	-	0.11
Total Xylenes	3.1	ug/g	0.002 - 0.20	<0.040	-	-	-	0.34
F1 (C6-C10)	55	ug/g	10 - 50	<10	-	-	-	**94**
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	<10	-	-	-	**94**
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	<10	-	-	-	**4100**
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	<10	-	-	-	**2700**
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	<10	-	-	-	45
Reached Baseline at C50		ug/g		YES	-	-	-	YES
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	-	-	-	-	-
Acenaphthene	7.9	ug/g	0.010 - 1.0	<0.010	0.029	<0.040	0.023	1.1
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	<0.0050	0.041	<0.020	0.082	<0.40
Anthracene	0.67	ug/g	0.0050 - 0.50	<0.0050	0.11	<0.020	0.25	0.28
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	<0.010	0.4	0.056	**0.85**	0.05
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	<0.0050	**0.37**	0.059	**0.71**	0.029
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	<0.010	0.47	0.08	**0.83**	0.042
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	<0.020	0.2	<0.080	0.29	<0.040
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	<0.010	0.19	<0.040	0.33	<0.020
Chrysene	7	ug/g	0.010 - 1.0	<0.010	0.35	0.069	0.63	0.047
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	<0.020	0.055	<0.080	0.09	<0.040
Fluoranthene	0.69	ug/g	0.0050 - 0.50	<0.0050	**0.81**	0.14	**1.8**	0.081
Fluorene	62	ug/g	0.0050 - 0.50	<0.0050	0.025	<0.020	0.035	1.1
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	<0.020	0.22	<0.080	0.36	<0.040
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	<0.0050	0.15	0.075	0.019	**3**
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	<0.0050	0.16	0.081	0.024	**2**
Naphthalene	0.6	ug/g	0.0050 - 0.50	<0.0050	0.11	0.054	0.055	**1.1**
Phenanthrene	6.2	ug/g	0.0050 - 0.50	<0.0050	0.47	0.15	0.61	2.2
Pyrene	78	ug/g	0.0050 - 0.50	<0.0050	0.75	0.13	1.7	0.17
Total PCB	0.35	ug/g	0.010 - 0.030	<0.010	-	-	-	<0.030
Sodium Adsorption Ratio	5	N/A		-	-	-	-	-
Conductivity	0.7	mS/cm	0.002 - 0.1	-	-	-	-	-
Free Cyanide	0.051	ug/g	0.01 - 0.05	-	-	-	-	-
Available (CaCl2) pH		pH		-	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TP13:SA2 (-1.0M)**	**TP14:SA3 (-2.5M)**	**BH 113 ; -0.75M**	**BH 113 ; -1.5M**	**BH 114 ; -1.0M**
Maxxam Job ID / Sample ID				**A864256 / Z34722**	**A864256 / Z34723**	**A853016 / Y82277**	**A853016 / Y82278**	**A853016 / Y82279**
Sample Collection Date						**May 22, 2008**	**May 22, 2008**	**May 22, 2008**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
Moisture		%	0.20	29	17	25	31	30
Chromium (VI)	8	ug/g	0.2 - 4	<0.4	-	<0.2	<0.2	<0.2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	0.06	-	**0.71**	0.07	0.11
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	1.5	-	0.67	**130**	2.6
Acid Extractable Arsenic (As)	18	ug/g	1.0	5.8	-	3	12	12
Acid Extractable Barium (Ba)	390	ug/g	0.50	54	-	60	81	120
Acid Extractable Beryllium (Be)	4	ug/g	0.20	0.21	-	<0.20	0.26	0.4
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	1	-	0.12	0.24	0.47
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	12	-	12	15	10
Acid Extractable Cobalt (Co)	22	ug/g	0.10	2.7	-	2.1	5.9	5.5
Acid Extractable Copper (Cu)	140	ug/g	0.50	22	-	24	**290**	75
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	**160**	-	73	**1500**	**160**
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	0.9	-	<0.50	1.6	2.4
Acid Extractable Nickel (Ni)	100	ug/g	0.50	9.6	-	4.6	14	14
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	1.7	-	<0.50	<0.50	2.4
Acid Extractable Silver (Ag)	20	ug/g	0.20	<0.20	-	0.43	0.33	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	0.16	-	<0.050	0.07	0.22
Acid Extractable Vanadium (V)	86	ug/g	5.0	12	-	22	19	17
Acid Extractable Zinc (Zn)	340	ug/g	5.0	88	-	51	130	120
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	-	<0.1	0.1	-
Benzene	0.21	ug/g	0.002 - 0.1	-	<0.020	0.004	0.006	-
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Bromoform	0.27	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Bromomethane	0.05	ug/g	0.003 - 0.2	-	-	<0.003	<0.003	-
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Chloroform	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	-	<0.002	0.002	-
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Ethylbenzene	1.1	ug/g	0.002 - 0.1	-	<0.020	0.002	0.002	-
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	-	<0.003	<0.003	-
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	-	<0.03	<0.03	-
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	-	<0.03	<0.03	-
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Styrene	0.7	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Toluene	2.3	ug/g	0.002 - 0.1	-	<0.020	0.015	0.012	-
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	-	<0.002	<0.002	-
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	-	<0.002	0.01	-

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TP13:SA2 (-1.0M)**	**TP14:SA3 (-2.5M)**	**BH 113 ; -0.75M**	**BH 113 ; -1.5M**	**BH 114 ; -1.0M**
Maxxam Job ID / Sample ID				**A864256 / Z34722**	**A864256 / Z34723**	**A853016 / Y82277**	**A853016 / Y82278**	**A853016 / Y82279**
Sample Collection Date						**May 22, 2008**	**May 22, 2008**	**May 22, 2008**
Parameter	***Criteria [1]***	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	-	<0.040	0.007	0.006	-
o-Xylene		ug/g	0.002 - 0.1	-	<0.020	0.003	0.003	-
Total Xylenes	3.1	ug/g	0.002 - 0.20	-	<0.040	0.009	0.009	-
F1 (C6-C10)	55	ug/g	10 - 50	-	<10	<10	<10	-
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	-	<10	<10	<10	-
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	-	10	27	<10	-
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	-	**420**	**500**	98	-
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	-	130	140	28	-
Reached Baseline at C50		ug/g		-	YES	YES	YES	-
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	-	-	-	-	-
Acenaphthene	7.9	ug/g	0.010 - 1.0	0.09	<0.010	-	-	-
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	0.037	<0.0050	-	-	-
Anthracene	0.67	ug/g	0.0050 - 0.50	0.18	0.0095	-	-	-
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	0.25	0.026	-	-	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	0.17	0.023	-	-	-
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	0.27	0.033	-	-	-
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	0.17	0.02	-	-	-
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	0.067	0.011	-	-	-
Chrysene	7	ug/g	0.010 - 1.0	0.29	0.02	-	-	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	<0.080	<0.020	-	-	-
Fluoranthene	0.69	ug/g	0.0050 - 0.50	0.38	0.051	-	-	-
Fluorene	62	ug/g	0.0050 - 0.50	0.13	0.0053	-	-	-
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	0.12	<0.020	-	-	-
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	**1.1**	0.0095	-	-	-
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	**1.7**	0.011	-	-	-
Naphthalene	0.6	ug/g	0.0050 - 0.50	**0.65**	0.011	-	-	-
Phenanthrene	6.2	ug/g	0.0050 - 0.50	1.1	0.04	-	-	-
Pyrene	78	ug/g	0.0050 - 0.50	0.59	0.054	-	-	-
Total PCB	0.35	ug/g	0.010 - 0.030	<0.010	0.038	-	-	-
Sodium Adsorption Ratio	5	N/A		-	-	-	-	-
Conductivity	0.7	mS/cm	0.002 - 0.1	-	-	-	-	-
Free Cyanide	0.051	ug/g	0.01 - 0.05	-	-	-	-	-
Available (CaCl2) pH		pH		-	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH 120 ; -0.3M**	**BH120 ; -1.5M**	**BH 112 ; -0.75M**	**BH 112 ; -1.2M**	**BH 105(-0.5M)**
Maxxam Job ID / Sample ID				**A853016 / Y82286**	**A853016 / Y82334**	**A853016 / Y82275**	**A853016 / Y82276**	**A856768 / Z00250**
Sample Collection Date				**May 22, 2008**	**May 22, 2008**	**May 23, 2008**	**May 23, 2008**	**May 26, 2008**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
Moisture		%	0.20	10	15	14	25	8.5
Chromium (VI)	8	ug/g	0.2 - 4	<0.2	0.3	<0.2	<0.4	<0.2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	0.26	0.07	<0.05	0.07	<0.05
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	0.34	0.5	3.3	5.1	<0.20
Acid Extractable Arsenic (As)	18	ug/g	1.0	1.4	1.6	2.8	**23**	1.1
Acid Extractable Barium (Ba)	390	ug/g	0.50	53	43	180	330	65
Acid Extractable Beryllium (Be)	4	ug/g	0.20	<0.20	<0.20	0.24	1.7	0.38
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	0.31	0.19	0.16	0.34	<0.10
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	14	18	8.5	33	17
Acid Extractable Cobalt (Co)	22	ug/g	0.10	2.5	2.6	2.9	7.3	5.6
Acid Extractable Copper (Cu)	140	ug/g	0.50	12	11	21	87	12
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	70	55	**210**	76	6.5
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	<0.50	<0.50	<0.50	2.6	<0.50
Acid Extractable Nickel (Ni)	100	ug/g	0.50	5.3	9.5	6	20	9.7
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	<0.50	<0.50	<0.50	1	<0.50
Acid Extractable Silver (Ag)	20	ug/g	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	<0.050	<0.050	<0.050	0.2	0.09
Acid Extractable Vanadium (V)	86	ug/g	5.0	18	16	17	28	30
Acid Extractable Zinc (Zn)	340	ug/g	5.0	59	38	120	75	31
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	<5	<0.1	<0.1	-
Benzene	0.21	ug/g	0.002 - 0.1	-	<0.1	0.006	0.007	-
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Bromoform	0.27	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Bromomethane	0.05	ug/g	0.003 - 0.2	-	<0.2	<0.003	<0.003	-
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	0.1	<0.002	<0.002	-
Chloroform	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Ethylbenzene	1.1	ug/g	0.002 - 0.1	-	0.1	0.002	<0.002	-
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	<0.2	<0.003	<0.003	-
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	<1	<0.03	<0.03	-
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	<1	<0.03	<0.03	-
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Styrene	0.7	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Toluene	2.3	ug/g	0.002 - 0.1	-	<0.1	0.018	0.015	-
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	<0.1	<0.002	<0.002	-

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH 120 ; -0.3M**	**BH120 ; -1.5M**	**BH 112 ; -0.75M**	**BH 112 ; -1.2M**	**BH 105(-0.5M)**
Maxxam Job ID / Sample ID				**A853016 / Y82286**	**A853016 / Y82334**	**A853016 / Y82275**	**A853016 / Y82276**	**A856768 / Z00250**
Sample Collection Date				**May 22, 2008**	**May 22, 2008**	**May 23, 2008**	**May 23, 2008**	**May 26, 2008**
Parameter	***Criteria [1]***	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	-	2	0.004	0.005	-
o-Xylene		ug/g	0.002 - 0.1	-	0.2	<0.002	<0.002	-
Total Xylenes	3.1	ug/g	0.002 - 0.20	-	2.2	0.004	0.005	-
F1 (C6-C10)	55	ug/g	10 - 50	-	<10	<10	<10	-
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	-	<10	<10	<10	-
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	1400	960	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	-	32	<10	<10	-
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	-	**1100**	13	53	-
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	-	530	80	<10	-
Reached Baseline at C50		ug/g		-	NO	NO	YES	-
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	-	-	-	-	0.2
Acenaphthene	7.9	ug/g	0.010 - 1.0	-	-	-	-	-
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	-	-	-	-	-
Anthracene	0.67	ug/g	0.0050 - 0.50	-	-	-	-	-
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	-	-	-	-	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	-	-	-	-	-
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	-	-	-
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	-	-	-	-	-
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	-	-	-
Chrysene	7	ug/g	0.010 - 1.0	-	-	-	-	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	-	-	-	-	-
Fluoranthene	0.69	ug/g	0.0050 - 0.50	-	-	-	-	-
Fluorene	62	ug/g	0.0050 - 0.50	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	-	-	-	-	-
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	-	-	-
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	-	-	-
Naphthalene	0.6	ug/g	0.0050 - 0.50	-	-	-	-	-
Phenanthrene	6.2	ug/g	0.0050 - 0.50	-	-	-	-	-
Pyrene	78	ug/g	0.0050 - 0.50	-	-	-	-	-
Total PCB	0.35	ug/g	0.010 - 0.030	-	-	-	-	-
Sodium Adsorption Ratio	5	N/A		-	-	-	-	-
Conductivity	0.7	mS/cm	0.002 - 0.1	-	-	-	-	-
Free Cyanide	0.051	ug/g	0.01 - 0.05	-	-	-	-	-
Available (CaCl2) pH		pH		-	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH 105(-2.0M)**	**BH 108(-0.5M)**	**BH 108(-2.2M)**	**BH 109(-0.5M)**	**BH 109(-1.5M)**
Maxxam Job ID / Sample ID				**A856768 / Z00251**	**A856768 / Z00252**	**A856768 / Z00253**	**A856768 / Z00254**	**A856768 / Z00255**
Sample Collection Date				**May 26, 2008**	**May 26, 2008**	**May 26, 2008**	**May 26, 2008**	**May 26, 2008**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
Moisture		%	0.20	19	7.6	17	11	7.1
Chromium (VI)	8	ug/g	0.2 - 4	<0.2	<0.2	-	<0.2	<0.2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	<0.05	<0.05	-	<0.05	<0.05
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	0.95	<0.20	-	<0.20	<0.20
Acid Extractable Arsenic (As)	18	ug/g	1.0	6.5	1.2	-	<1.0	1.7
Acid Extractable Barium (Ba)	390	ug/g	0.50	140	83	-	28	81
Acid Extractable Beryllium (Be)	4	ug/g	0.20	0.47	0.26	-	0.27	0.25
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	0.28	0.12	-	<0.10	0.1
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	**330**	28	-	11	53
Acid Extractable Cobalt (Co)	22	ug/g	0.10	3.8	3.4	-	2.8	4.5
Acid Extractable Copper (Cu)	140	ug/g	0.50	27	9.1	-	4.5	19
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	110	17	-	4.4	22
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	2	<0.50	-	1.1	1.2
Acid Extractable Nickel (Ni)	100	ug/g	0.50	11	5.7	-	5.6	14
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	<0.50	<0.50	-	<0.50	<0.50
Acid Extractable Silver (Ag)	20	ug/g	0.20	<0.20	<0.20	-	<0.20	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	0.094	<0.050	-	<0.050	0.078
Acid Extractable Vanadium (V)	86	ug/g	5.0	20	23	-	23	43
Acid Extractable Zinc (Zn)	340	ug/g	5.0	95	67	-	20	43
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	-	-	-	-
Benzene	0.21	ug/g	0.002 - 0.1	-	-	<0.020	-	-
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	-	-	-	-
Bromoform	0.27	ug/g	0.002 - 0.1	-	-	-	-	-
Bromomethane	0.05	ug/g	0.003 - 0.2	-	-	-	-	-
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	-	-	-	-
Chloroform	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	-	-	-	-
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	-	-	-	-
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	-	-	-	-
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	-	-	-	-
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Ethylbenzene	1.1	ug/g	0.002 - 0.1	-	-	<0.020	-	-
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	-	-	-	-
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	-	-	-	-
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	-	-	-	-
Styrene	0.7	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	-	-	-	-
Toluene	2.3	ug/g	0.002 - 0.1	-	-	<0.020	-	-
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	-	-	-	-
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	-	-	-	-

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH 105(-2.0M)**	**BH 108(-0.5M)**	**BH 108(-2.2M)**	**BH 109(-0.5M)**	**BH 109(-1.5M)**
Maxxam Job ID / Sample ID				**A856768 / Z00251**	**A856768 / Z00252**	**A856768 / Z00253**	**A856768 / Z00254**	**A856768 / Z00255**
Sample Collection Date				**May 26, 2008**	**May 26, 2008**	**May 26, 2008**	**May 26, 2008**	**May 26, 2008**
Parameter	***Criteria [1]***	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	-	-	<0.040	-	-
o-Xylene		ug/g	0.002 - 0.1	-	-	<0.020	-	-
Total Xylenes	3.1	ug/g	0.002 - 0.20	-	-	<0.040	-	-
F1 (C6-C10)	55	ug/g	10 - 50	-	-	<10	-	-
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	-	-	<10	-	-
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	-	-	<10	-	-
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	-	-	120	-	-
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	-	-	31	-	-
Reached Baseline at C50		ug/g		-	-	YES	-	-
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	1.2	0.31	-	0.12	0.13
Acenaphthene	7.9	ug/g	0.010 - 1.0	-	-	-	-	-
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	-	-	-	-	-
Anthracene	0.67	ug/g	0.0050 - 0.50	-	-	-	-	-
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	-	-	-	-	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	-	-	-	-	-
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	-	-	-
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	-	-	-	-	-
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	-	-	-
Chrysene	7	ug/g	0.010 - 1.0	-	-	-	-	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	-	-	-	-	-
Fluoranthene	0.69	ug/g	0.0050 - 0.50	-	-	-	-	-
Fluorene	62	ug/g	0.0050 - 0.50	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	-	-	-	-	-
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	-	-	-
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	-	-	-
Naphthalene	0.6	ug/g	0.0050 - 0.50	-	-	-	-	-
Phenanthrene	6.2	ug/g	0.0050 - 0.50	-	-	-	-	-
Pyrene	78	ug/g	0.0050 - 0.50	-	-	-	-	-
Total PCB	0.35	ug/g	0.010 - 0.030	-	-	-	-	-
Sodium Adsorption Ratio	5	N/A		-	-	-	-	-
Conductivity	0.7	mS/cm	0.002 - 0.1	-	-	-	-	-
Free Cyanide	0.051	ug/g	0.01 - 0.05	-	-	-	-	-
Available (CaCl2) pH		pH		-	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Others

Sample ID				**BH 119 (-0.6M)**	**BH 119 (-2.2M)**	**BH 119(-4.5M)**	**TP6:SA2 (-1.4M)**	**BH3-09 SA6**
Maxxam Job ID / Sample ID				**A860631 / Z18696**	**A860631 / Z18697**	**A860631 / Z18698**	**A864256 / Z34716**	**A9C9213 / DW1490**
Sample Collection Date				**Jun 10, 2008**	**Jun 10, 2008**	**Jun 10, 2008**	**Jun 17, 2008**	**Sep 24, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
Moisture		%	0.20	14	17	17	61	14
Chromium (VI)	8	ug/g	0.2 - 4	-	-	-	<1	<0.2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	-	-	-	<0.05	<0.050
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	0.25	-	1.1	5.4	<0.20
Acid Extractable Arsenic (As)	18	ug/g	1.0	1.2	-	2.4	**29**	<1.0
Acid Extractable Barium (Ba)	390	ug/g	0.50	33	-	27	**520**	14
Acid Extractable Beryllium (Be)	4	ug/g	0.20	<0.20	-	<0.20	0.64	<0.20
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	0.13	-	0.17	0.36	<0.10
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	9.5	-	8.4	**510**	5.3
Acid Extractable Cobalt (Co)	22	ug/g	0.10	2.9	-	2.6	3.4	1.8
Acid Extractable Copper (Cu)	140	ug/g	0.50	8.7	-	17	54	3.5
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	24	-	40	**140**	1.6
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	0.74	-	<0.50	2.4	<0.50
Acid Extractable Nickel (Ni)	100	ug/g	0.50	6	-	4.9	7.8	3.1
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	<0.50	-	0.51	0.54	<0.50
Acid Extractable Silver (Ag)	20	ug/g	0.20	<0.20	-	<0.20	<0.20	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	0.056	-	0.072	0.082	<0.050
Acid Extractable Vanadium (V)	86	ug/g	5.0	20	-	22	17	13
Acid Extractable Zinc (Zn)	340	ug/g	5.0	26	-	51	220	13
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	-	-	-	-
Benzene	0.21	ug/g	0.002 - 0.1	-	<0.020	-	-	<0.020
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	-	-	-	-
Bromoform	0.27	ug/g	0.002 - 0.1	-	-	-	-	-
Bromomethane	0.05	ug/g	0.003 - 0.2	-	-	-	-	-
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	-	-	-	-
Chloroform	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	-	-	-	-
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	-	-	-	-
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	-	-	-	-
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	-	-	-	-
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	-	-	-	-
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Ethylbenzene	1.1	ug/g	0.002 - 0.1	-	<0.020	-	-	<0.020
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	-	-	-	-
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	-	-	-	-
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	-	-	-	-
Styrene	0.7	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	-	-	-	-
Toluene	2.3	ug/g	0.002 - 0.1	-	0.028	-	-	<0.020
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	-	-	-	-
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	-
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	-	-	-	-
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	-	-	-	-

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Others

Sample ID				**BH 119 (-0.6M)**	**BH 119 (-2.2M)**	**BH 119(-4.5M)**	**TP6:SA2 (-1.4M)**	**BH3-09 SA6**
Maxxam Job ID / Sample ID				**A860631 / Z18696**	**A860631 / Z18697**	**A860631 / Z18698**	**A864256 / Z34716**	**A9C9213 / DW1490**
Sample Collection Date				**Jun 10, 2008**	**Jun 10, 2008**	**Jun 10, 2008**	**Jun 17, 2008**	**Sep 24, 2009**
Parameter	***Criteria [1]***	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	-	0.042	-	-	<0.040
o-Xylene		ug/g	0.002 - 0.1	-	0.03	-	-	<0.020
Total Xylenes	3.1	ug/g	0.002 - 0.20	-	0.072	-	-	<0.040
F1 (C6-C10)	55	ug/g	10 - 50	-	<10	-	-	<10
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	-	<10	-	-	<10
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	-	<10	-	-	<10
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	-	51	-	-	<10
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	-	11	-	-	<10
Reached Baseline at C50		ug/g		-	YES	-	-	YES
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	-	-	-	-	0.044
Acenaphthene	7.9	ug/g	0.010 - 1.0	-	-	-	<0.020	-
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	-	-	-	0.027	-
Anthracene	0.67	ug/g	0.0050 - 0.50	-	-	-	0.058	-
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	-	-	-	0.21	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	-	-	-	0.23	-
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	-	0.29	-
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	-	-	-	0.14	-
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	-	0.13	-
Chrysene	7	ug/g	0.010 - 1.0	-	-	-	0.2	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	-	-	-	<0.040	-
Fluoranthene	0.69	ug/g	0.0050 - 0.50	-	-	-	0.48	-
Fluorene	62	ug/g	0.0050 - 0.50	-	-	-	0.013	-
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	-	-	-	0.15	-
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	-	0.045	-
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	-	0.048	-
Naphthalene	0.6	ug/g	0.0050 - 0.50	-	-	-	0.033	-
Phenanthrene	6.2	ug/g	0.0050 - 0.50	-	-	-	0.31	-
Pyrene	78	ug/g	0.0050 - 0.50	-	-	-	0.42	-
Total PCB	0.35	ug/g	0.010 - 0.030	-	-	-	-	-
Sodium Adsorption Ratio	5	N/A		-	-	-	-	0.36
Conductivity	0.7	mS/cm	0.002 - 0.1	-	-	-	-	0.1
Free Cyanide	0.051	ug/g	0.01 - 0.05	-	-	-	-	<0.01
Available (CaCl2) pH		pH		-	-	-	-	7.85

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH3-09 SA3**	**BH4-09 SA3**	**BH4-09 SA6**	**BH5-09 SA5**	**BH5-09 SA6**
Maxxam Job ID / Sample ID				**A9C9213 / DW1491**	**A9C9213 / DW1492**	**A9C9213 / DW1493**	**A9C9213 / DW1494**	**A9C9213 / DW1495**
Sample Collection Date				**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
Moisture		%	0.20	78	25	71	23	6.7
Chromium (VI)	8	ug/g	0.2 - 4	-	0.2	<2	<0.2	<2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	-	<0.050	<0.050	0.093	<0.050
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	-	0.4	<0.20	2	<0.20
Acid Extractable Arsenic (As)	18	ug/g	1.0	-	1.7	<1.0	6.6	<1.0
Acid Extractable Barium (Ba)	390	ug/g	0.50	-	44	28	43	27
Acid Extractable Beryllium (Be)	4	ug/g	0.20	-	<0.20	<0.20	0.34	<0.20
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	-	0.2	0.11	0.1	<0.10
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	-	120	8.7	12	2.1
Acid Extractable Cobalt (Co)	22	ug/g	0.10	-	2.9	0.49	4.6	0.42
Acid Extractable Copper (Cu)	140	ug/g	0.50	-	12	11	19	5.4
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	-	37	3.7	44	1.9
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	-	<0.50	<0.50	2.4	<0.50
Acid Extractable Nickel (Ni)	100	ug/g	0.50	-	6.1	1.5	12	1.2
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	-	<0.50	<0.50	1.8	<0.50
Acid Extractable Silver (Ag)	20	ug/g	0.20	-	<0.20	<0.20	0.32	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	-	<0.050	<0.050	0.12	<0.050
Acid Extractable Vanadium (V)	86	ug/g	5.0	-	20	<5.0	26	5.8
Acid Extractable Zinc (Zn)	340	ug/g	5.0	-	49	12	160	7.7
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	<0.1	-	-	-
Benzene	0.21	ug/g	0.002 - 0.1	-	0.002	<0.10	-	<0.080
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Bromoform	0.27	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Bromomethane	0.05	ug/g	0.003 - 0.2	-	<0.003	-	-	-
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Chloroform	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	<0.002	-	-	-
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Ethylbenzene	1.1	ug/g	0.002 - 0.1	-	<0.002	<0.10	-	<0.080
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	<0.003	-	-	-
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	<0.03	-	-	-
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	<0.03	-	-	-
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Styrene	0.7	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Toluene	2.3	ug/g	0.002 - 0.1	-	0.008	<0.10	-	<0.080
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	<0.002	-	-	-
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	<0.002	-	-	-
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	0.003	-	-	-
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	<0.002	-	-	-

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH3-09 SA3**	**BH4-09 SA3**	**BH4-09 SA6**	**BH5-09 SA5**	**BH5-09 SA6**
Maxxam Job ID / Sample ID				**A9C9213 / DW1491**	**A9C9213 / DW1492**	**A9C9213 / DW1493**	**A9C9213 / DW1494**	**A9C9213 / DW1495**
Sample Collection Date				**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	-	0.003	<0.20	-	<0.16
o-Xylene		ug/g	0.002 - 0.1	-	<0.002	<0.10	-	<0.080
Total Xylenes	3.1	ug/g	0.002 - 0.20	-	0.003	<0.20	-	<0.16
F1 (C6-C10)	55	ug/g	10 - 50	-	<10	<50	-	<40
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	-	<10	<50	-	<40
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	-	15	<50	-	<40
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	-	130	110	-	**370**
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	-	12	<50	-	110
Reached Baseline at C50		ug/g		-	YES	YES	-	YES
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	-	0.5	-	1.5	-
Acenaphthene	7.9	ug/g	0.010 - 1.0	0.011	0.033	-	0.03	-
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	0.012	0.027	-	0.014	-
Anthracene	0.67	ug/g	0.0050 - 0.50	0.023	0.079	-	0.044	-
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	0.073	0.18	-	0.1	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	0.04	0.16	-	0.07	-
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	0.058	0.21	-	0.081	-
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	0.038	0.12	-	0.046	-
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	0.024	0.099	-	0.035	-
Chrysene	7	ug/g	0.010 - 1.0	0.061	0.18	-	0.084	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	<0.020	<0.040	-	<0.020	-
Fluoranthene	0.69	ug/g	0.0050 - 0.50	0.11	0.52	-	0.2	-
Fluorene	62	ug/g	0.0050 - 0.50	0.024	0.062	-	0.036	-
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	0.029	0.12	-	0.044	-
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	0.31	0.097	-	0.18	-
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	0.38	0.18	-	0.2	-
Naphthalene	0.6	ug/g	0.0050 - 0.50	0.28	0.054	-	0.13	-
Phenanthrene	6.2	ug/g	0.0050 - 0.50	0.23	0.43	-	0.23	-
Pyrene	78	ug/g	0.0050 - 0.50	0.099	0.43	-	0.18	-
Total PCB	0.35	ug/g	0.010 - 0.030	-	-	-	-	-
Sodium Adsorption Ratio	5	N/A		-	0.84	-	0.43	-
Conductivity	0.7	mS/cm	0.002 - 0.1	-	0.32	-	0.64	-
Free Cyanide	0.051	ug/g	0.01 - 0.05	-	<0.01	<0.01	<0.01	<0.01
Available (CaCl2) pH		pH		-	7.6	6.82	7.16	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH5-09 SA7**	**BH6-09 SA1**	**BH6-09 SA3**	**BH7-09 SA5B**	**TP13 SA2**
Maxxam Job ID / Sample ID				**A9C9213 / DW1496**	**A9C9213 / DW1497**	**A9C9213 / DW1498**	**A9C9213 / DW1499**	**A9C9183 / DW1323**
Sample Collection Date				**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 28, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
Moisture		%	0.20	25	19	84	82	22
Chromium (VI)	8	ug/g	0.2 - 4	<0.2	<0.2	0.2	<0.2	-
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	<0.050	<0.050	0.1	<0.050	-
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	<0.20	0.25	**49**	<0.20	-
Acid Extractable Arsenic (As)	18	ug/g	1.0	<1.0	<1.0	5	<1.0	-
Acid Extractable Barium (Ba)	390	ug/g	0.50	9.2	45	130	9.5	-
Acid Extractable Beryllium (Be)	4	ug/g	0.20	<0.20	0.23	0.22	<0.20	-
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	<0.10	0.12	**5.8**	<0.10	-
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	4.6	7.4	17	7.9	-
Acid Extractable Cobalt (Co)	22	ug/g	0.10	0.95	1.8	3.7	0.99	-
Acid Extractable Copper (Cu)	140	ug/g	0.50	0.83	4.4	68	1.1	-
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	1.6	75	**2500**	1.5	-
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	<0.50	<0.50	1.3	<0.50	-
Acid Extractable Nickel (Ni)	100	ug/g	0.50	2.1	3.3	34	2.1	-
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	<0.50	<0.50	<0.50	<0.50	-
Acid Extractable Silver (Ag)	20	ug/g	0.20	<0.20	<0.20	0.22	<0.20	-
Acid Extractable Thallium (Tl)	1	ug/g	0.050	<0.050	<0.050	0.08	<0.050	-
Acid Extractable Vanadium (V)	86	ug/g	5.0	15	17	20	14	-
Acid Extractable Zinc (Zn)	340	ug/g	5.0	7.2	30	300	11	-
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	-	-	-	2
Benzene	0.21	ug/g	0.002 - 0.1	-	<0.020	<0.020	-	<0.01
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Bromoform	0.27	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Bromomethane	0.05	ug/g	0.003 - 0.2	-	-	-	-	<0.02
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Chloroform	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	-	-	-	<0.01
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Ethylbenzene	1.1	ug/g	0.002 - 0.1	-	<0.020	<0.020	-	<0.01
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	-	-	-	<0.02
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	-	-	-	<0.2
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	-	-	-	<0.2
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Styrene	0.7	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Toluene	2.3	ug/g	0.002 - 0.1	-	<0.020	<0.020	-	<0.01
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	-	-	-	<0.01
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	-	-	-	<0.01
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	-	-	-	<0.01

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**BH5-09 SA7**	**BH6-09 SA1**	**BH6-09 SA3**	**BH7-09 SA5B**	**TP13 SA2**
Maxxam Job ID / Sample ID				**A9C9213 / DW1496**	**A9C9213 / DW1497**	**A9C9213 / DW1498**	**A9C9213 / DW1499**	**A9C9183 / DW1323**
Sample Collection Date				**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 24, 2009**	**Sep 28, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	-	<0.040	<0.040	-	<0.01
o-Xylene		ug/g	0.002 - 0.1	-	<0.020	<0.020	-	<0.01
Total Xylenes	3.1	ug/g	0.002 - 0.20	-	<0.040	<0.040	-	<0.01
F1 (C6-C10)	55	ug/g	10 - 50	-	<10	<10	-	<50
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	-	<10	<10	-	<50
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	-	<10	12	-	<50
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	-	140	**4100**	-	64
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	-	15	2100	-	<50
Reached Baseline at C50		ug/g		-	YES	YES	-	YES
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	0.66	0.32	-	0.64	-
Acenaphthene	7.9	ug/g	0.010 - 1.0	-	-	<0.020	<0.010	-
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	-	-	<0.010	<0.0050	-
Anthracene	0.67	ug/g	0.0050 - 0.50	-	-	0.013	<0.0050	-
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	-	-	0.026	<0.010	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	-	-	0.047	<0.0050	-
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	0.095	<0.010	-
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	-	-	<0.040	<0.020	-
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	-	-	<0.020	<0.010	-
Chrysene	7	ug/g	0.010 - 1.0	-	-	0.062	<0.010	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	-	-	<0.040	<0.020	-
Fluoranthene	0.69	ug/g	0.0050 - 0.50	-	-	0.12	<0.0050	-
Fluorene	62	ug/g	0.0050 - 0.50	-	-	<0.010	<0.0050	-
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	-	-	<0.040	<0.020	-
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	<0.010	<0.0050	-
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	-	0.014	<0.0050	-
Naphthalene	0.6	ug/g	0.0050 - 0.50	-	-	0.014	<0.0050	-
Phenanthrene	6.2	ug/g	0.0050 - 0.50	-	-	0.07	<0.0050	-
Pyrene	78	ug/g	0.0050 - 0.50	-	-	0.15	<0.0050	-
Total PCB	0.35	ug/g	0.010 - 0.030	-	-	-	-	-
Sodium Adsorption Ratio	5	N/A		1.2	0.25	-	0.28	-
Conductivity	0.7	mS/cm	0.002 - 0.1	0.13	0.68	-	0.18	-
Free Cyanide	0.051	ug/g	0.01 - 0.05	0.01	<0.01	<0.01	<0.01	-
Available (CaCl2) pH		pH		7.17	10.6	-	8.01	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TP14 SA2**	**TP15 S1**	**TP16 SA2**	**TP18 SA2**	**TP19 SA1**
Maxxam Job ID / Sample ID				**A9C9183 / DW1324**	**A9C9183 / DW1325**	**A9C9183 / DW1326**	**A9C9183 / DW1327**	**A9C9183 / DW1328**
Sample Collection Date				**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***					
Moisture		%	0.20	67	83	14	82	84
Chromium (VI)	8	ug/g	0.2 - 4	<4	<0.2	-	<2	<0.2
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	0.068	**1.6**	-	0.059	0.16
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	<0.20	0.75	-	<0.20	7.1
Acid Extractable Arsenic (As)	18	ug/g	1.0	<1.0	2.3	-	<1.0	5.1
Acid Extractable Barium (Ba)	390	ug/g	0.50	27	96	-	61	50
Acid Extractable Beryllium (Be)	4	ug/g	0.20	<0.20	<0.20	-	<0.20	<0.20
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	0.19	0.11	-	0.31	0.33
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	2.5	9.7	-	9.4	7.7
Acid Extractable Cobalt (Co)	22	ug/g	0.10	0.23	2.2	-	0.3	3.3
Acid Extractable Copper (Cu)	140	ug/g	0.50	3.5	15	-	5.4	34
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	<1.0	**190**	-	<1.0	**180**
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	0.64	<0.50	-	0.64	0.74
Acid Extractable Nickel (Ni)	100	ug/g	0.50	2.1	4.4	-	1.8	8.5
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	0.61	<0.50	-	0.63	<0.50
Acid Extractable Silver (Ag)	20	ug/g	0.20	<0.20	<0.20	-	<0.20	<0.20
Acid Extractable Thallium (Tl)	1	ug/g	0.050	<0.050	0.056	-	<0.050	0.17
Acid Extractable Vanadium (V)	86	ug/g	5.0	<5.0	18	-	51	18
Acid Extractable Zinc (Zn)	340	ug/g	5.0	5.7	110	-	<5.0	77
Acetone (2-Propanone)	16	ug/g	0.1 - 5	-	-	1.5	1.4	-
Benzene	0.21	ug/g	0.002 - 0.1	-	-	0.004	<0.01	**0.28**
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Bromoform	0.27	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Bromomethane	0.05	ug/g	0.003 - 0.2	-	-	<0.003	<0.02	-
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Chlorobenzene	2.4	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Chloroform	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	-	-	<0.002	**2.7**	-
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	-	-	<0.002	0.06	-
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Ethylbenzene	1.1	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	0.62
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	-	-	<0.003	<0.02	-
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	-	-	<0.03	<0.2	-
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	-	-	0.1	<0.2	-
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Styrene	0.7	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Toluene	2.3	ug/g	0.002 - 0.1	-	-	0.011	<0.01	1.5
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	-	-	<0.002	<0.01	-
Trichloroethylene	0.061	ug/g	0.002 - 0.1	-	-	<0.002	0.02	-
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	-	-	<0.002	**0.05**	-

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TP14 SA2**	**TP15 S1**	**TP16 SA2**	**TP18 SA2**	**TP19 SA1**
Maxxam Job ID / Sample ID				**A9C9183 / DW1324**	**A9C9183 / DW1325**	**A9C9183 / DW1326**	**A9C9183 / DW1327**	**A9C9183 / DW1328**
Sample Collection Date				**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**
Parameter	***Criteria [1]***	***Units***	***RDL***					
p+m-Xylene		ug/g	0.002 - 0.20	-	-	0.003	<0.01	2.5
o-Xylene		ug/g	0.002 - 0.1	-	-	<0.002	<0.01	1.6
Total Xylenes	3.1	ug/g	0.002 - 0.20	-	-	0.003	<0.01	**4.1**
F1 (C6-C10)	55	ug/g	10 - 50	-	-	<30	<50	**92**
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	-	-	<30	<50	**86**
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	-	-	<30	<50	**160**
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	-	-	100	**370**	**8800**
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	-	-	<30	64	2800
Reached Baseline at C50		ug/g		-	-	YES	YES	YES
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	**3**	**2.9**	-	**3.5**	0.66
Acenaphthene	7.9	ug/g	0.010 - 1.0	-	<1.0	0.065	-	0.48
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	-	**0.51**	0.042	-	0.061
Anthracene	0.67	ug/g	0.0050 - 0.50	-	**6.7**	0.18	-	0.36
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	-	**19**	0.31	-	**0.6**
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	-	**15**	0.25	-	**0.37**
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	-	**17**	0.33	-	0.49
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	-	**8.4**	0.12	-	0.35
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	-	**7.7**	0.13	-	0.15
Chrysene	7	ug/g	0.010 - 1.0	-	**14**	0.27	-	0.62
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	-	**2.6**	<0.060	-	0.088
Fluoranthene	0.69	ug/g	0.0050 - 0.50	-	**46**	**0.71**	-	**1.3**
Fluorene	62	ug/g	0.0050 - 0.50	-	1.5	0.073	-	0.81
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	-	**10**	0.13	-	0.24
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	<0.50	0.029	-	**6.3**
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	-	<0.50	0.033	-	**8.3**
Naphthalene	0.6	ug/g	0.0050 - 0.50	-	<0.50	0.079	-	**5.8**
Phenanthrene	6.2	ug/g	0.0050 - 0.50	-	**18**	0.5	-	4.2
Pyrene	78	ug/g	0.0050 - 0.50	-	34	0.6	-	1.5
Total PCB	0.35	ug/g	0.010 - 0.030	-	-	-	-	-
Sodium Adsorption Ratio	5	N/A		2.8	0.34	-	1.5	0.67
Conductivity	0.7	mS/cm	0.002 - 0.1	**0.73**	0.25	-	0.54	**0.83**
Free Cyanide	0.051	ug/g	0.01 - 0.05	**0.13**	0.02	-	<0.01	<0.01
Available (CaCl2) pH		pH		6.63	7.47	-	6.23	7.34

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				TP20 SA2	TP21 SA2	TP21 SA3	TP22 SA1	TP23 SA1	TP24 SA1	TP26 SA1	TP27 SA2
Maxxam Job ID / Sample ID				A9C9183 / DW1329	A9C9183 / DW1330	A9C9183 / DW1331	A9C9183 / DW1332	A9C9183 / DW1333	A9C9183 / DW1334	A9C9183 / DW1335	A9C9183 / DW1336
Sample Collection Date				Sep 28, 2009	Sep 28, 2009	Sep 28, 2009	Sep 28, 2009	Sep 28, 2009	Sep 28, 2009	Sep 28, 2009	Sep 28, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*								
Moisture		%	0.20	77	27	39	11	17	62		
Chromium (VI)	8	ug/g	0.2 - 4	<2	<2	-	0.7	<0.4	<0.2	-	-
Acid Extractable Mercury (Hg)	0.27	ug/g	0.05	<0.050	<0.050	-	<0.050	<0.050	<0.050	-	-
Acid Extractable Antimony (Sb)	7.5	ug/g	0.20	<0.20	<0.20	-	0.83	0.34	<0.20	-	-
Acid Extractable Arsenic (As)	18	ug/g	1.0	<1.0	<1.0	-	7.8	<1.0	<1.0	-	-
Acid Extractable Barium (Ba)	390	ug/g	0.50	73	27	-	220	22	62	-	-
Acid Extractable Beryllium (Be)	4	ug/g	0.20	<0.20	<0.20	-	0.76	<0.20	0.3	-	-
Acid Extractable Cadmium (Cd)	1.2	ug/g	0.10	0.21	<0.10	-	0.16	0.54	<0.10	-	-
Acid Extractable Chromium (Cr)	160	ug/g	1.0 - 10	33	<1.0	-	150	**1400**	97	-	-
Acid Extractable Cobalt (Co)	22	ug/g	0.10	0.22	0.34	-	4.2	0.77	4.1	-	-
Acid Extractable Copper (Cu)	140	ug/g	0.50	6.5	3.3	-	37	11	10	-	-
Acid Extractable Lead (Pb)	120	ug/g	1.0 - 10	6.3	<1.0	-	49	18	5.3	-	-
Acid Extractable Molybdenum (Mo)	6.9	ug/g	0.50	2.5	1	-	2.6	<0.50	<0.50	-	-
Acid Extractable Nickel (Ni)	100	ug/g	0.50	0.83	0.7	-	12	1.6	7.6	-	-
Acid Extractable Selenium (Se)	2.4	ug/g	0.50	<0.50	<0.50	-	<0.50	<0.50	<0.50	-	-
Acid Extractable Silver (Ag)	20	ug/g	0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	-
Acid Extractable Thallium (Tl)	1	ug/g	0.050	<0.050	<0.050	-	0.1	<0.050	0.065	-	-
Acid Extractable Vanadium (V)	86	ug/g	5.0	5.3	<5.0	-	25	12	27	-	-
Acid Extractable Zinc (Zn)	340	ug/g	5.0	28	<5.0	-	66	**380**	26	-	-
Acetone (2-Propanone)	16	ug/g	0.1 - 5	1.9	-	-	-	-	-	<0.1	0.7
Benzene	0.21	ug/g	0.002 - 0.1	<0.01	<0.10	<0.080	-	-	-	0.005	<0.002
Bromodichloromethane	1.5	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Bromoform	0.27	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Bromomethane	0.05	ug/g	0.003 - 0.2	<0.02	-	-	-	-	-	<0.003	<0.003
Carbon Tetrachloride	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Chlorobenzene	2.4	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Chloroform	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Dibromochloromethane	2.3	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,2-Dichlorobenzene	1.2	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,3-Dichlorobenzene	4.8	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,4-Dichlorobenzene	0.083	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,1-Dichloroethane	0.47	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,2-Dichloroethane	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,1-Dichloroethylene	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
cis-1,2-Dichloroethylene	1.9	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
trans-1,2-Dichloroethylene	0.084	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,2-Dichloropropane	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
cis-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
trans-1,3-Dichloropropene	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Ethylbenzene	1.1	ug/g	0.002 - 0.1	<0.01	<0.10	<0.080	-	-	-	<0.002	<0.002
Ethylene Dibromide	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Methylene Chloride(Dichloromethane)	0.1	ug/g	0.003 - 0.2	<0.02	-	-	-	-	-	<0.003	<0.003
Methyl Isobutyl Ketone	1.7	ug/g	0.03 - 1	<0.2	-	-	-	-	-	<0.03	<0.03
Methyl Ethyl Ketone (2-Butanone)	16	ug/g	0.03 - 1	<0.2	-	-	-	-	-	<0.03	0.04
Methyl t-butyl ether (MTBE)	0.75	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Styrene	0.7	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,1,1,2-Tetrachloroethane	0.058	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,1,2,2-Tetrachloroethane	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Tetrachloroethylene	0.28	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Toluene	2.3	ug/g	0.002 - 0.1	<0.01	<0.10	<0.080	-	-	-	0.003	0.003
1,1,1-Trichloroethane	0.38	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
1,1,2-Trichloroethane	0.05	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002
Trichloroethylene	0.061	ug/g	0.002 - 0.1	0.02	-	-	-	-	-	<0.002	0.005
Vinyl Chloride	0.02	ug/g	0.002 - 0.1	<0.01	-	-	-	-	-	<0.002	<0.002

SOIL QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TP20 SA2**	**TP21 SA2**	**TP21 SA3**	**TP22 SA1**	**TP23 SA1**	**TP24 SA1**	**TP26 SA1**	**TP27 SA2**
Maxxam Job ID / Sample ID				**A9C9183 / DW1329**	**A9C9183 / DW1330**	**A9C9183 / DW1331**	**A9C9183 / DW1332**	**A9C9183 / DW1333**	**A9C9183 / DW1334**	**A9C9183 / DW1335**	**A9C9183 / DW1336**
Sample Collection Date				**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**	**Sep 28, 2009**
Parameter	***Criteria [1]***	***Units***	***RDL***								
p+m-Xylene		ug/g	0.002 - 0.20	<0.01	<0.20	<0.16	-	-	-	<0.002	<0.002
o-Xylene		ug/g	0.002 - 0.1	<0.01	<0.10	<0.080	-	-	-	<0.002	<0.002
Total Xylenes	3.1	ug/g	0.002 - 0.20	<0.01	<0.20	0.12	-	-	-	<0.002	<0.002
F1 (C6-C10)	55	ug/g	10 - 50	<50	<50	**320**	-	-	-	<10	<30
F1 (C6-C10) - BTEX	55	ug/g	10 - 50	<50	<50	**320**	-	-	-	<10	<30
F4G-sg (Grav. Heavy Hydrocarbons)	2800	ug/g	100	-	-	-	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	98	ug/g	10 - 50	<50	<50	**600**	-	-	-	<10	<30
F3 (C16-C34 Hydrocarbons)	300	ug/g	10 - 50	140	110	**1700**	-	-	-	120	220
F4 (C34-C50 Hydrocarbons)	2800	ug/g	10 - 50	<50	<50	50	-	-	-	<10	72
Reached Baseline at C50		ug/g		YES	YES	YES	-	-	-	YES	YES
Hot Water Ext. Boron (B)	1.5	ug/g	0.010 - 0.020	1.5	**4.9**	-	**2.8**	1.2	0.4	-	-
Acenaphthene	7.9	ug/g	0.010 - 1.0	<0.050	0.076	0.23	<0.010	<0.020	<0.010	-	-
Acenaphthylene	0.15	ug/g	0.0050 - 0.50	<0.025	<0.030	0.033	0.01	0.012	<0.0050	-	-
Anthracene	0.67	ug/g	0.0050 - 0.50	<0.025	<0.030	0.38	0.013	0.13	0.0061	-	-
Benzo(a)anthracene	0.5	ug/g	0.010 - 1.0	<0.050	<0.060	0.29	0.043	0.25	0.012	-	-
Benzo(a)pyrene	0.3	ug/g	0.0050 - 0.50	<0.025	<0.030	0.19	0.041	0.23	0.012	-	-
Benzo(b/j)fluoranthene	0.78	ug/g	0.010 - 1.0	<0.050	<0.060	0.23	0.055	0.27	0.012	-	-
Benzo(g,h,i)perylene	6.6	ug/g	0.020 - 2.0	<0.10	<0.12	0.13	0.041	0.17	<0.020	-	-
Benzo(k)fluoranthene	0.78	ug/g	0.010 - 1.0	<0.050	<0.060	0.1	0.023	0.12	<0.010	-	-
Chrysene	7	ug/g	0.010 - 1.0	<0.050	<0.060	0.24	0.043	0.21	0.011	-	-
Dibenz(a,h)anthracene	0.1	ug/g	0.020 - 2.0	<0.10	<0.12	<0.10	<0.020	0.041	<0.020	-	-
Fluoranthene	0.69	ug/g	0.0050 - 0.50	<0.025	0.036	**2.8**	0.094	0.36	0.0051	-	-
Fluorene	62	ug/g	0.0050 - 0.50	<0.025	0.079	0.33	<0.0050	0.022	<0.0050	-	-
Indeno(1,2,3-cd)pyrene	0.38	ug/g	0.020 - 2.0	<0.10	<0.12	0.14	0.04	0.19	<0.020	-	-
1-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	<0.025	0.063	0.071	0.05	<0.010	<0.0050	-	-
2-Methylnaphthalene	0.99	ug/g	0.0050 - 0.50	<0.025	0.045	0.03	0.046	<0.010	<0.0050	-	-
Naphthalene	0.6	ug/g	0.0050 - 0.50	<0.025	<0.030	0.041	0.025	<0.010	<0.0050	-	-
Phenanthrene	6.2	ug/g	0.0050 - 0.50	<0.025	0.13	1.3	0.075	0.15	<0.0050	-	-
Pyrene	78	ug/g	0.0050 - 0.50	<0.025	<0.030	1.9	0.08	0.32	0.0082	-	-
Total PCB	0.35	ug/g	0.010 - 0.030	-	-	-	-	-	-	-	-
Sodium Adsorption Ratio	5	N/A		0.39	0.57	-	0.13	1.4	0.89	-	-
Conductivity	0.7	mS/cm	0.002 - 0.1	0.39	0.56	-	0.53	**0.72**	**0.9**	-	-
Free Cyanide	0.051	ug/g	0.01 - 0.05	<0.01	<0.01	-	<0.01	<0.05	0.01	-	-
Available (CaCl2) pH		pH		6.51	6.26	-	7.21	6.46	7.54	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-Soil/Res-C

GROUND WATER RESULTS

Table 1 Standards, MOECC 2011

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				TH 116	TH 115	MW1-09S
Maxxam Job ID / Sample ID				A860631 / Z18694	A907024 / BO0590	A9D7756 / EAS869
Sample Collection Date				Jun 10, 2008	Jan 21, 2009	Oct 14, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*			
Dissolved Antimony (Sb)	1.5	ug/L	0.50	<0.50	-	<0.50
Dissolved Arsenic (As)	13	ug/L	1.0	5	-	3.5
Dissolved Barium (Ba)	610	ug/L	5.0	570	-	230
Dissolved Beryllium (Be)	0.5	ug/L	0.50	<0.50	-	<0.50
Dissolved Boron (B)	1700	ug/L	10	160	-	120
Dissolved Cadmium (Cd)	0.5	ug/L	0.10	<0.10	-	<0.10
Dissolved Chromium (Cr)	11	ug/L	5.0	<5.0	-	<5.0
Dissolved Cobalt (Co)	3.8	ug/L	0.50	0.92	-	**4.4**
Dissolved Copper (Cu)	5	ug/L	1.0	<1.0	-	2.5
Dissolved Lead (Pb)	1.9	ug/L	0.50	<0.50	-	**2.6**
Dissolved Molybdenum (Mo)	23	ug/L	1.0	<1.0	-	4.9
Dissolved Nickel (Ni)	14	ug/L	1.0 - 5.0	<5.0	-	**17**
Dissolved Selenium (Se)	5	ug/L	2.0	<2.0	-	<2.0
Dissolved Silver (Ag)	0.3	ug/L	0.10	<0.10	-	<0.10
Dissolved Sodium (Na)	490000	ug/L	100	71000	-	95000
Dissolved Thallium (Tl)	0.5	ug/L	0.050	<0.050	-	<0.050
Dissolved Vanadium (V)	3.9	ug/L	1.0	1.9	-	3.5
Dissolved Zinc (Zn)	160	ug/L	5.0	5.5	-	8.3
F1 (C6-C10)	420	ug/L	100	-	<100	<100
F1 (C6-C10) - BTEX	420	ug/L	100	-	<100	<100
Acetone (2-Propanone)	2700	ug/L	10 - 250	-	<10	29
Benzene	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
Bromodichloromethane	2	ug/L	0.10 - 2.5	-	<0.10	<0.20
Bromoform	5	ug/L	0.20 - 5.0	-	<0.20	<0.40
Bromomethane	0.89	ug/L	0.50 - 13	-	<0.50	<1.0
Carbon Tetrachloride	0.2	ug/L	0.10 - 2.5	-	<0.10	<0.20
Chlorobenzene	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
Chloroform	2	ug/L	0.10 - 2.5	-	<0.10	<0.20
Dibromochloromethane	2	ug/L	0.20 - 5.0	-	<0.20	<0.40
1,2-Dichlorobenzene	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
1,3-Dichlorobenzene	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
1,4-Dichlorobenzene	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
1,1-Dichloroethane	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
1,2-Dichloroethane	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
1,1-Dichloroethylene	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
cis-1,2-Dichloroethylene	1.6	ug/L	0.10 - 2.5	-	<0.10	<0.20
trans-1,2-Dichloroethylene	1.6	ug/L	0.10 - 2.5	-	<0.10	<0.20
1,2-Dichloropropane	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
cis-1,3-Dichloropropene	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
trans-1,3-Dichloropropene	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
Ethylbenzene	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
Ethylene Dibromide	0.2	ug/L	0.20 - 5.0	-	<0.20	<0.40
Methylene Chloride(Dichloromethane)	5	ug/L	0.50 - 13	-	<0.50	<1.0
Methyl Ethyl Ketone (2-Butanone)	400	ug/L	5.0 - 130	-	<5.0	65
Methyl Isobutyl Ketone	640	ug/L	5.0 - 130	-	<5.0	<10
Methyl t-butyl ether (MTBE)	15	ug/L	0.20 - 5.0	-	<0.20	<0.40
Styrene	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
1,1,1,2-Tetrachloroethane	1.1	ug/L	0.10 - 2.5	-	<0.10	<0.20
1,1,2,2-Tetrachloroethane	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
Tetrachloroethylene	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
Toluene	0.8	ug/L	0.20 - 5.0	-	**1.5**	**1.2**

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				TH 116	TH 115	MW1-09S
Maxxam Job ID / Sample ID				A860631 / Z18694	A907024 / BO0590	A9D7756 / EAS869
Sample Collection Date				Jun 10, 2008	Jan 21, 2009	Oct 14, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*			
1,1,1-Trichloroethane	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
1,1,2-Trichloroethane	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
Trichloroethylene	0.5	ug/L	0.10 - 2.5	-	<0.10	<0.20
Vinyl Chloride	0.5	ug/L	0.20 - 5.0	-	<0.20	<0.40
p+m-Xylene		ug/L	0.10 - 2.5	-	0.11	<0.20
o-Xylene		ug/L	0.10 - 2.5	-	<0.10	<0.20
Total Xylenes	72	ug/L	0.10 - 2.5	-	0.11	<0.20
Acenaphthene	4.1	ug/L	0.050 - 0.50	-	-	<0.50
Acenaphthylene	1	ug/L	0.050 - 0.50	-	-	<0.50
Anthracene	0.1	ug/L	0.050 - 0.50	-	-	<0.50
Benzo(a)anthracene	0.2	ug/L	0.050 - 0.50	-	-	1
Benzo(a)pyrene	0.01	ug/L	0.005 - 0.05	-	-	1.2
Benzo(b/j)fluoranthene	0.1	ug/L	0.050 - 0.50	-	-	1.6
Benzo(g,h,i)perylene	0.2	ug/L	0.10 - 1.0	-	-	<1.0
Benzo(k)fluoranthene	0.1	ug/L	0.050 - 0.50	-	-	0.66
Chrysene	0.1	ug/L	0.050 - 0.50	-	-	0.99
Dibenz(a,h)anthracene	0.2	ug/L	0.10 - 1.0	-	-	<1.0
Fluoranthene	0.4	ug/L	0.050 - 0.50	-	-	2.6
Fluorene	120	ug/L	0.050 - 0.50	-	-	<0.50
Indeno(1,2,3-cd)pyrene	0.2	ug/L	0.10 - 1.0	-	-	<1.0
1-Methylnaphthalene	2	ug/L	0.050 - 0.50	-	-	<0.50
2-Methylnaphthalene	2	ug/L	0.050 - 0.50	-	-	<0.50
Naphthalene	7	ug/L	0.050 - 0.50	-	-	<0.50
Phenanthrene	0.1	ug/L	0.050 - 0.50	-	-	1.4
Pyrene	0.2	ug/L	0.050 - 0.50	-	-	2.3
F2 (C10-C16 Hydrocarbons)	150	ug/L	100	-	-	<100
F3 (C16-C34 Hydrocarbons)	500	ug/L	100	-	-	290
F4 (C34-C50 Hydrocarbons)	500	ug/L	100	-	-	<100
Reached Baseline at C50		ug/L		-	-	YES
Dissolved Chloride (Cl)	790	mg/L	1.0 - 5.0	-	-	110
Nitrite (N)		mg/L	0.010	-	-	<0.010
Nitrate (N)		mg/L	0.10	-	-	<0.10
Nitrate + Nitrite (N)		mg/L	0.10	-	-	<0.10
Chromium (VI)	25	ug/L	5.0	-	-	<5.0
Total Organic Carbon (TOC)		mg/L	0.20	-	-	60
Free Cyanide	5	ug/L	2 - 10	-	-	<10
Dissolved Organic Carbon		mg/L	0.20	-	-	25
Mercury (Hg)	0.1	ug/L	0.1	-	-	0.2

Legend	
To Be Announced	TBA
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Criteria 1	Reg153/04 T1-GW

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				MW1-09D	MW2-09S	MW2-09D	TBH116
Maxxam Job ID / Sample ID				A9D7756 / EA5870	A9D7756 / EA5871	A9D7756 / EA5872	A9D7959 / EA6692
Sample Collection Date				Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*				
Dissolved Antimony (Sb)	1.5	ug/L	0.50	<0.50	1	<0.50	0.85
Dissolved Arsenic (As)	13	ug/L	1.0	<1.0	6	<1.0	2.8
Dissolved Barium (Ba)	610	ug/L	5.0	75	59	490	190
Dissolved Beryllium (Be)	0.5	ug/L	0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron (B)	1700	ug/L	10	27	530	29	140
Dissolved Cadmium (Cd)	0.5	ug/L	0.10	<0.10	<0.10	<0.10	<0.10
Dissolved Chromium (Cr)	11	ug/L	5.0	<5.0	5.6	<5.0	<5.0
Dissolved Cobalt (Co)	3.8	ug/L	0.50	<0.50	1	<0.50	<0.50
Dissolved Copper (Cu)	5	ug/L	1.0	1.4	<1.0	1.7	1.7
Dissolved Lead (Pb)	1.9	ug/L	0.50	<0.50	<0.50	<0.50	1.6
Dissolved Molybdenum (Mo)	23	ug/L	1.0	<1.0	11	<1.0	<1.0
Dissolved Nickel (Ni)	14	ug/L	1.0 - 5.0	<1.0	5.4	<1.0	2.5
Dissolved Selenium (Se)	5	ug/L	2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Silver (Ag)	0.3	ug/L	0.10	<0.10	<0.10	<0.10	0.16
Dissolved Sodium (Na)	490000	ug/L	100	7600	210000	40000	130000
Dissolved Thallium (Tl)	0.5	ug/L	0.050	<0.050	<0.050	<0.050	<0.050
Dissolved Vanadium (V)	3.9	ug/L	1.0	1	**4.5**	<1.0	1.2
Dissolved Zinc (Zn)	160	ug/L	5.0	<5.0	<5.0	21	7.8
F1 (C6-C10)	420	ug/L	100	<100	<100	<100	<100
F1 (C6-C10) - BTEX	420	ug/L	100	<100	<100	<100	<100
Acetone (2-Propanone)	2700	ug/L	10 - 250	<10	<250	<10	<20
Benzene	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
Bromodichloromethane	2	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
Bromoform	5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
Bromomethane	0.89	ug/L	0.50 - 13	<0.50	<13	<0.50	<1.0
Carbon Tetrachloride	0.2	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
Chlorobenzene	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	**0.57**
Chloroform	2	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
Dibromochloromethane	2	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
1,2-Dichlorobenzene	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
1,3-Dichlorobenzene	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
1,4-Dichlorobenzene	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
1,1-Dichloroethane	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
1,2-Dichloroethane	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
1,1-Dichloroethylene	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
cis-1,2-Dichloroethylene	1.6	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
trans-1,2-Dichloroethylene	1.6	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
1,2-Dichloropropane	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
cis-1,3-Dichloropropene	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
trans-1,3-Dichloropropene	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
Ethylbenzene	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
Ethylene Dibromide	0.2	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
Methylene Chloride(Dichloromethane)	5	ug/L	0.50 - 13	<0.50	<13	<0.50	<1.0
Methyl Ethyl Ketone (2-Butanone)	400	ug/L	5.0 - 130	5.3	<130	<5.0	<10
Methyl Isobutyl Ketone	640	ug/L	5.0 - 130	<5.0	<130	<5.0	<10
Methyl t-butyl ether (MTBE)	15	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
Styrene	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
1,1,1,2-Tetrachloroethane	1.1	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
1,1,2,2-Tetrachloroethane	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
Tetrachloroethylene	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
Toluene	0.8	ug/L	0.20 - 5.0	**1.1**	<5.0	**1.1**	<0.40

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				MW1-09D	MW2-09S	MW2-09D	TBH116
Maxxam Job ID / Sample ID				A9D7756 / EA5870	A9D7756 / EA5871	A9D7756 / EA5872	A9D7959 / EA6692
Sample Collection Date				Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*				
1,1,1-Trichloroethane	0.5	ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
1,1,2-Trichloroethane	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
Trichloroethylene	0.5	ug/L	0.10 - 2.5	0.1	<2.5	0.1	<0.20
Vinyl Chloride	0.5	ug/L	0.20 - 5.0	<0.20	<5.0	<0.20	<0.40
p+m-Xylene		ug/L	0.10 - 2.5	0.13	<2.5	0.13	<0.20
o-Xylene		ug/L	0.10 - 2.5	<0.10	<2.5	<0.10	<0.20
Total Xylenes	72	ug/L	0.10 - 2.5	0.13	<2.5	0.13	<0.20
Acenaphthene	4.1	ug/L	0.050 - 0.50	<0.050	2.1	<0.050	0.87
Acenaphthylene	1	ug/L	0.050 - 0.50	<0.050	0.56	<0.050	<0.050
Anthracene	0.1	ug/L	0.050 - 0.50	<0.050	1.3	<0.050	0.05
Benzo(a)anthracene	0.2	ug/L	0.050 - 0.50	<0.050	0.93	<0.050	<0.050
Benzo(a)pyrene	0.01	ug/L	0.005 - 0.05	0.006	0.92	0.031	0.025
Benzo(b/j)fluoranthene	0.1	ug/L	0.050 - 0.50	<0.050	1.1	<0.050	<0.050
Benzo(g,h,i)perylene	0.2	ug/L	0.10 - 1.0	<0.10	0.55	<0.10	<0.10
Benzo(k)fluoranthene	0.1	ug/L	0.050 - 0.50	<0.050	0.47	<0.050	<0.050
Chrysene	0.1	ug/L	0.050 - 0.50	<0.050	0.86	<0.050	<0.050
Dibenz(a,h)anthracene	0.2	ug/L	0.10 - 1.0	<0.10	0.14	<0.10	<0.10
Fluoranthene	0.4	ug/L	0.050 - 0.50	<0.050	4.3	0.15	0.16
Fluorene	120	ug/L	0.050 - 0.50	<0.050	3.2	0.056	0.66
Indeno(1,2,3-cd)pyrene	0.2	ug/L	0.10 - 1.0	<0.10	0.62	<0.10	<0.10
1-Methylnaphthalene	2	ug/L	0.050 - 0.50	<0.050	1.7	<0.050	0.15
2-Methylnaphthalene	2	ug/L	0.050 - 0.50	<0.050	1.1	<0.050	0.12
Naphthalene	7	ug/L	0.050 - 0.50	<0.050	3.3	<0.050	0.089
Phenanthrene	0.1	ug/L	0.050 - 0.50	<0.050	8.1	0.2	0.65
Pyrene	0.2	ug/L	0.050 - 0.50	<0.050	3	0.1	0.095
F2 (C10-C16 Hydrocarbons)	150	ug/L	100	<100	130	<100	<100
F3 (C16-C34 Hydrocarbons)	500	ug/L	100	<100	210	<100	<100
F4 (C34-C50 Hydrocarbons)	500	ug/L	100	<100	<100	<100	<100
Reached Baseline at C50		ug/L		YES	YES	YES	YES
Dissolved Chloride (Cl)	790	mg/L	1.0 - 5.0	2.8	340	130	200
Nitrite (N)		mg/L	0.010	<0.010	<0.010	<0.010	<0.010
Nitrate (N)		mg/L	0.10	<0.10	<0.10	<0.10	<0.10
Nitrate + Nitrite (N)		mg/L	0.10	<0.10	<0.10	<0.10	<0.10
Chromium (VI)	25	ug/L	5.0	<5.0	<5.0	<5.0	<5.0
Total Organic Carbon (TOC)		mg/L	0.20	9.1	95	2.6	16
Free Cyanide	5	ug/L	2 - 10	<2	<10	<2	<2
Dissolved Organic Carbon		mg/L	0.20	2.7	88	1.1	7.3
Mercury (Hg)	0.1	ug/L	0.1	<0.1	<0.1	<0.1	<0.1

Legend	
To Be Announced	TBA
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Criteria 1	Reg153/04 T1-GW

GROUND WATER RESULTS

Table 2 Standards, MOECC 2011

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				TRIP BLANK1	TRIP BLANK2	TRIP SPIKE	BH 103(-0.5M)	BH 103(10')	BH 101(-0.5M)	BH 101(-2.2M)	BH 100(-0.5M)
Maxxam Job ID / Sample ID				A9D7994 / EA6851	A9D7994 / EA6852	A9D7994 / EA6855	A859374 / Z13118	A859374 / Z13119	A859374 / Z13116	A859374 / Z13117	A859374 / Z13114
Sample Collection Date							Jun 03, 2008	Jun 03, 2008	Jun 05, 2008	Jun 05, 2008	Jun 06, 2008
Parameter	*Criteria* [1]	*Units*	*RDL*								
Chromium (VI)		ug/g	0.2 - 1	-	-	-	<0.2	<0.4	<1	<0.4	<0.2
Acid Extractable Mercury (Hg)		ug/g	0.05	-	-	-	<0.05	0.09	0.17	0.06	<0.05
Acid Extractable Antimony (Sb)		ug/g	0.20	-	-	-	0.44	0.24	0.35	5	<0.20
Acid Extractable Arsenic (As)		ug/g	1.0	-	-	-	2	1.9	1.7	3.1	<1.0
Acid Extractable Barium (Ba)		ug/g	0.50	-	-	-	88	37	54	73	59
Acid Extractable Beryllium (Be)		ug/g	0.20	-	-	-	0.23	0.22	0.29	0.31	0.25
Acid Extractable Cadmium (Cd)		ug/g	0.10	-	-	-	0.15	0.11	0.11	0.17	<0.10
Acid Extractable Chromium (Cr)		ug/g	1.0	-	-	-	57	10	25	31	13
Acid Extractable Cobalt (Co)		ug/g	0.10	-	-	-	3.6	2.4	4	3.1	4.1
Acid Extractable Copper (Cu)		ug/g	0.50	-	-	-	13	7.5	20	17	8.8
Acid Extractable Lead (Pb)		ug/g	1.0	-	-	-	36	36	21	72	5
Acid Extractable Molybdenum (Mo)		ug/g	0.50	-	-	-	<0.50	<0.50	0.57	0.58	<0.50
Acid Extractable Nickel (Ni)		ug/g	0.50	-	-	-	7.1	4.9	8.2	8.5	7.9
Acid Extractable Selenium (Se)		ug/g	0.50	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50
Acid Extractable Silver (Ag)		ug/g	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	<0.20
Acid Extractable Thallium (Tl)		ug/g	0.050	-	-	-	0.071	<0.050	0.076	0.061	0.072
Acid Extractable Vanadium (V)		ug/g	5.0	-	-	-	23	20	23	27	25
Acid Extractable Zinc (Zn)		ug/g	5.0	-	-	-	49	140	46	86	24
Dissolved Antimony (Sb)	6	ug/L	0.50	0.64	<0.50	-	-	-	-	-	-
Dissolved Arsenic (As)	25	ug/L	1.0 - 5.0	<1.0	<1.0	-	-	-	-	-	-
Dissolved Barium (Ba)	1000	ug/L	5.0	<5.0	<5.0	-	-	-	-	-	-
Dissolved Beryllium (Be)	4	ug/L	0.50	<0.50	<0.50	-	-	-	-	-	-
Dissolved Boron (B)	5000	ug/L	10	<10	<10	-	-	-	-	-	-
Dissolved Cadmium (Cd)	2.7	ug/L	0.10	<0.10	<0.10	-	-	-	-	-	-
Dissolved Chromium (Cr)	50	ug/L	5.0	<5.0	<5.0	-	-	-	-	-	-
Dissolved Cobalt (Co)	3.8	ug/L	0.50	<0.50	<0.50	-	-	-	-	-	-
Dissolved Copper (Cu)	87	ug/L	1.0	<1.0	<1.0	-	-	-	-	-	-
Dissolved Lead (Pb)	10	ug/L	0.50	<0.50	<0.50	-	-	-	-	-	-
Dissolved Molybdenum (Mo)	70	ug/L	1.0	<1.0	<1.0	-	-	-	-	-	-
Dissolved Nickel (Ni)	100	ug/L	1.0 - 5.0	<1.0	<1.0	-	-	-	-	-	-
Dissolved Selenium (Se)	10	ug/L	2.0	<2.0	<2.0	-	-	-	-	-	-
Dissolved Silver (Ag)	1.5	ug/L	0.10	<0.10	<0.10	-	-	-	-	-	-
Dissolved Sodium (Na)	490000	ug/L	100	<100	<100	-	-	-	-	-	-
Dissolved Thallium (Tl)	2	ug/L	0.050	<0.050	<0.050	-	-	-	-	-	-
Dissolved Vanadium (V)	6.2	ug/L	1.0 - 5.0	<1.0	<1.0	-	-	-	-	-	-
Dissolved Zinc (Zn)	1100	ug/L	5.0	<5.0	<5.0	-	-	-	-	-	-
Acetone (2-Propanone)	2700	ug/L	10 - 1000	<10	<10	65	-	-	-	-	-
Benzene	5	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
Bromodichloromethane	16	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
Bromoform	25	ug/L	0.20 - 20	<0.20	<0.20	**100**	-	-	-	-	-
Bromomethane	0.89	ug/L	0.50 - 50	<0.50	<0.50	**120**	-	-	-	-	-
Carbon Tetrachloride	0.79	ug/L	0.10 - 10	<0.10	<0.10	**120**	-	-	-	-	-
Chlorobenzene	30	ug/L	0.10 - 10	<0.10	<0.10	**100**	-	-	-	-	-
Chloroform	2.4	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
Dibromochloromethane	25	ug/L	0.20 - 20	<0.20	<0.20	**110**	-	-	-	-	-
1,2-Dichlorobenzene	3	ug/L	0.20 - 20	<0.20	<0.20	**100**	-	-	-	-	-
1,3-Dichlorobenzene	59	ug/L	0.20 - 20	<0.20	<0.20	**96**	-	-	-	-	-
1,4-Dichlorobenzene	1	ug/L	0.20 - 20	<0.20	<0.20	**96**	-	-	-	-	-
1,1-Dichloroethane	5	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
1,2-Dichloroethane	1.6	ug/L	0.20 - 20	<0.20	<0.20	**110**	-	-	-	-	-
1,1-Dichloroethylene	1.6	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
cis-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	<0.10	<0.10	**120**	-	-	-	-	-
trans-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
1,2-Dichloropropane	5	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
cis-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	<0.20	<0.20	**77**	-	-	-	-	-
trans-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	<0.20	<0.20	**95**	-	-	-	-	-
Ethylbenzene	2.4	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
Ethylene Dibromide	0.2	ug/L	0.20 - 20	<0.20	<0.20	**120**	-	-	-	-	-
Methylene Chloride(Dichloromethane)	50	ug/L	0.50 - 50	<0.50	<0.50	**110**	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	1800	ug/L	5.0 - 500	<5.0	<5.0	83	-	-	-	-	-
Methyl Isobutyl Ketone	640	ug/L	5.0 - 500	<5.0	<5.0	120	-	-	-	-	-
Methyl t-butyl ether (MTBE)	15	ug/L	0.20 - 20	<0.20	<0.20	**110**	-	-	-	-	-
Styrene	5.4	ug/L	0.20 - 20	<0.20	<0.20	**100**	-	-	-	-	-
1,1,1,2-Tetrachloroethane	1.1	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-
1,1,2,2-Tetrachloroethane	1	ug/L	0.20 - 20	<0.20	<0.20	**100**	-	-	-	-	-
Tetrachloroethylene	1.6	ug/L	0.10 - 10	<0.10	<0.10	**97**	-	-	-	-	-
Toluene	24	ug/L	0.20 - 20	<0.20	<0.20	**110**	-	-	-	-	-
1,1,1-Trichloroethane	200	ug/L	0.10 - 10	<0.10	<0.10	110	-	-	-	-	-
1,1,2-Trichloroethane	4.7	ug/L	0.20 - 20	<0.20	<0.20	**100**	-	-	-	-	-
Trichloroethylene	1.6	ug/L	0.10 - 10	<0.10	<0.10	**110**	-	-	-	-	-

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				TRIP BLANK1	TRIP BLANK2	TRIP SPIKE	BH 103(-0.5M)	BH 103(10')	BH 101(-0.5M)	BH 101(-2.2M)	BH 100(-0.5M)
Maxxam Job ID / Sample ID				A9D7994 / EA6851	A9D7994 / EA6852	A9D7994 / EA6855	A859374 / Z13118	A859374 / Z13119	A859374 / Z13116	A859374 / Z13117	A859374 / Z13114
Sample Collection Date							Jun 03, 2008	Jun 03, 2008	Jun 05, 2008	Jun 05, 2008	Jun 06, 2008
Parameter	*Criteria* [1]	*Units*	*RDL*								
Vinyl Chloride	0.5	ug/L	0.20 - 20	<0.20	<0.20	110	-	-	-	-	-
p+m-Xylene		ug/L	0.10 - 10	<0.10	<0.10	110	-	-	-	-	-
o-Xylene		ug/L	0.10 - 10	<0.10	<0.10	110	-	-	-	-	-
Total Xylenes	300	ug/L	0.10 - 10	<0.10	<0.10	-	-	-	-	-	-
Benzene		ug/g	0.020	-	-	-	-	-	-	-	-
Toluene		ug/g	0.020	-	-	-	-	-	-	-	-
Ethylbenzene		ug/g	0.020	-	-	-	-	-	-	-	-
o-Xylene		ug/g	0.020	-	-	-	-	-	-	-	-
p+m-Xylene		ug/g	0.040	-	-	-	-	-	-	-	-
Total Xylenes		ug/g	0.040	-	-	-	-	-	-	-	-
F1 (C6-C10)		ug/g	10	-	-	-	-	-	-	-	-
F1 (C6-C10) - BTEX		ug/g	10	-	-	-	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-
F3 (C16-C34 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-
F4 (C34-C50 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-
Reached Baseline at C50		ug/g		-	-	-	-	-	-	-	-
Acenaphthene	4.1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Acenaphthylene	1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Anthracene	2.4	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Benzo(a)anthracene	1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Benzo(a)pyrene	0.01	ug/L	0.005 - 0.010	<0.005	<0.005	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Benzo(g,h,i)perylene	0.2	ug/L	0.10 - 0.20	<0.10	<0.10	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Chrysene	0.1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	ug/L	0.10 - 0.20	<0.10	<0.10	-	-	-	-	-	-
Fluoranthene	0.41	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Fluorene	120	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	ug/L	0.10 - 0.20	<0.10	<0.10	-	-	-	-	-	-
1-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
2-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Naphthalene	11	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Phenanthrene	1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
Pyrene	4.1	ug/L	0.050 - 0.10	<0.050	<0.050	-	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)	150	ug/L	100	<100	<100	-	-	-	-	-	-
F3 (C16-C34 Hydrocarbons)	500	ug/L	100	<100	<100	-	-	-	-	-	-
F4 (C34-C50 Hydrocarbons)	500	ug/L	100	<100	<100	-	-	-	-	-	-
Reached Baseline at C50		ug/L		YES	YES	-	-	-	-	-	-
Dissolved Chloride (Cl)	790	mg/L	1.0 - 10	<1.0	<1.0	-	-	-	-	-	-
Nitrite (N)		mg/L	0.010	<0.010	<0.010	-	-	-	-	-	-
Nitrate (N)		mg/L	0.10	<0.10	<0.10	-	-	-	-	-	-
Nitrate + Nitrite (N)		mg/L	0.10	<0.10	<0.10	-	-	-	-	-	-
Chromium (VI)	25	ug/L	5	<5.0	<5.0	-	-	-	-	-	-
Free Cyanide	66	ug/L	2	<2	<2	-	-	-	-	-	-
Mercury (Hg)	0.29	ug/L	0.02 - 0.1	<0.1	<0.1	-	-	-	-	-	-
F1 (C6-C10)	750	ug/L	100	<100	<100	<100	-	-	-	-	-
F1 (C6-C10) - BTEX	750	ug/L	100	<100	<100	<100	-	-	-	-	-
Total Organic Carbon (TOC)		mg/L	0.20	0.21	<0.20	-	-	-	-	-	-
Dissolved Organic Carbon		mg/L	0.20	0.39	0.36	-	-	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-PGW-C

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				BH 100(5')	TH 100	TH 112	TH 120	BH 119 (-0.6M)	BH 119 (-2.2M)	BH 119(-4.5M)	TRBLK	TH 103	TH 114
Maxxam Job ID / Sample ID				A859374 / Z13115	A860631 / Z18692	A860631 / Z18693	A860631 / Z18695	A860631 / Z18696	A860631 / Z18697	A860631 / Z18698	A907024 / BO0592	A907024 / BO0585	A907024 / BO0589
Sample Collection Date				Jun 06, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Dec 15, 2008	Jan 20, 2009	Jan 20, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*										
Chromium (VI)		ug/g	0.2 - 1	<0.2	-	-	-	-	-	-	-	-	-
Acid Extractable Mercury (Hg)		ug/g	0.05	<0.05	-	-	-	-	-	-	-	-	-
Acid Extractable Antimony (Sb)		ug/g	0.20	<0.20	-	-	-	0.25	-	1.1	-	-	-
Acid Extractable Arsenic (As)		ug/g	1.0	1.3	-	-	-	1.2	-	2.4	-	-	-
Acid Extractable Barium (Ba)		ug/g	0.50	62	-	-	-	33	-	27	-	-	-
Acid Extractable Beryllium (Be)		ug/g	0.20	0.25	-	-	-	<0.20	-	<0.20	-	-	-
Acid Extractable Cadmium (Cd)		ug/g	0.10	0.16	-	-	-	0.13	-	0.17	-	-	-
Acid Extractable Chromium (Cr)		ug/g	1.0	14	-	-	-	9.5	-	8.4	-	-	-
Acid Extractable Cobalt (Co)		ug/g	0.10	2.9	-	-	-	2.9	-	2.6	-	-	-
Acid Extractable Copper (Cu)		ug/g	0.50	9.8	-	-	-	8.7	-	17	-	-	-
Acid Extractable Lead (Pb)		ug/g	1.0	14	-	-	-	24	-	40	-	-	-
Acid Extractable Molybdenum (Mo)		ug/g	0.50	0.56	-	-	-	0.74	-	<0.50	-	-	-
Acid Extractable Nickel (Ni)		ug/g	0.50	7.6	-	-	-	6	-	4.9	-	-	-
Acid Extractable Selenium (Se)		ug/g	0.50	<0.50	-	-	-	<0.50	-	0.51	-	-	-
Acid Extractable Silver (Ag)		ug/g	0.20	<0.20	-	-	-	<0.20	-	<0.20	-	-	-
Acid Extractable Thallium (Tl)		ug/g	0.050	<0.050	-	-	-	0.056	-	0.072	-	-	-
Acid Extractable Vanadium (V)		ug/g	5.0	22	-	-	-	20	-	22	-	-	-
Acid Extractable Zinc (Zn)		ug/g	5.0	45	-	-	-	26	-	51	-	-	-
Dissolved Antimony (Sb)	6	ug/L	0.50	-	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50	<0.50
Dissolved Arsenic (As)	25	ug/L	1.0 - 5.0	-	1	6.2	5	-	-	-	<1.0	1.9	<1.0
Dissolved Barium (Ba)	1000	ug/L	5.0	-	65	140	280	-	-	-	<5.0	360	160
Dissolved Beryllium (Be)	4	ug/L	0.50	-	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50	<0.50
Dissolved Boron (B)	5000	ug/L	10	-	170	36	160	-	-	-	<10	290	180
Dissolved Cadmium (Cd)	2.7	ug/L	0.10	-	<0.10	<0.10	<0.10	-	-	-	<0.10	<0.10	<0.10
Dissolved Chromium (Cr)	50	ug/L	5.0	-	<5.0	<5.0	<5.0	-	-	-	<5.0	<5.0	<5.0
Dissolved Cobalt (Co)	3.8	ug/L	0.50	-	<0.50	3.1	0.76	-	-	-	<0.50	<0.50	<0.50
Dissolved Copper (Cu)	87	ug/L	1.0	-	1.4	<1.0	<1.0	-	-	-	<1.0	1.9	1.5
Dissolved Lead (Pb)	10	ug/L	0.50	-	<0.50	<0.50	1.3	-	-	-	<0.50	<0.50	<0.50
Dissolved Molybdenum (Mo)	70	ug/L	1.0	-	<1.0	<1.0	1	-	-	-	<1.0	<1.0	<1.0
Dissolved Nickel (Ni)	100	ug/L	1.0 - 5.0	-	<5.0	<5.0	<1.0	-	-	-	<1.0	<1.0	<1.0
Dissolved Selenium (Se)	10	ug/L	2.0	-	<2.0	<2.0	<2.0	-	-	-	<2.0	<2.0	<2.0
Dissolved Silver (Ag)	1.5	ug/L	0.10	-	<0.10	<0.10	<0.10	-	-	-	<0.10	<0.10	<0.10
Dissolved Sodium (Na)	490000	ug/L	100	-	80000	390000	110000	-	-	-	<100	95000	240000
Dissolved Thallium (Tl)	2	ug/L	0.050	-	<0.050	<0.050	<0.050	-	-	-	<0.050	<0.050	<0.050
Dissolved Vanadium (V)	6.2	ug/L	1.0 - 5.0	-	<1.0	<5.0	<1.0	-	-	-	<1.0	<1.0	<1.0
Dissolved Zinc (Zn)	1100	ug/L	5.0	-	8.6	<5.0	10	-	-	-	<5.0	6	<5.0
Acetone (2-Propanone)	2700	ug/L	10 - 1000	-	760	-	-	-	-	-	<10	<10	<10
Benzene	5	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Bromodichloromethane	16	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Bromoform	25	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
Bromomethane	0.89	ug/L	0.50 - 50	-	<2.0	-	-	-	-	-	<0.50	<0.50	<0.50
Carbon Tetrachloride	0.79	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Chlorobenzene	30	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Chloroform	2.4	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Dibromochloromethane	25	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	3	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
1,3-Dichlorobenzene	59	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
1,4-Dichlorobenzene	1	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
1,1-Dichloroethane	5	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
1,2-Dichloroethane	1.6	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
1,1-Dichloroethylene	1.6	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
cis-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
trans-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
1,2-Dichloropropane	5	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
cis-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
trans-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
Ethylbenzene	2.4	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Ethylene Dibromide	0.2	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
Methylene Chloride(Dichloromethane)	50	ug/L	0.50 - 50	-	<2.0	-	-	-	-	-	<0.50	<0.50	<0.50
Methyl Ethyl Ketone (2-Butanone)	1800	ug/L	5.0 - 500	-	63	-	-	-	-	-	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone	640	ug/L	5.0 - 500	-	<20	-	-	-	-	-	<5.0	<5.0	<5.0
Methyl t-butyl ether (MTBE)	15	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
Styrene	5.4	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	1.1	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
Tetrachloroethylene	1.6	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Toluene	24	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
1,1,2-Trichloroethane	4.7	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
Trichloroethylene	1.6	ug/L	0.10 - 10	-	1.7	-	-	-	-	-	<0.10	<0.10	<0.10

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				BH 100(5')	TH 100	TH 112	TH 120	BH 119 (-0.6M)	BH 119 (-2.2M)	BH 119(-4.5M)	TRBLK	TH 103	TH 114
Maxxam Job ID / Sample ID				A859374 / Z13115	A860631 / Z18692	A860631 / Z18693	A860631 / Z18695	A860631 / Z18696	A860631 / Z18697	A860631 / Z18698	A907024 / BO0592	A907024 / BO0585	A907024 / BO0589
Sample Collection Date				Jun 06, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Jun 10, 2008	Dec 15, 2008	Jan 20, 2009	Jan 20, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*										
Vinyl Chloride	0.5	ug/L	0.20 - 20	-	<0.80	-	-	-	-	-	<0.20	<0.20	<0.20
p+m-Xylene		ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
o-Xylene		ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Total Xylenes	300	ug/L	0.10 - 10	-	<0.40	-	-	-	-	-	<0.10	<0.10	<0.10
Benzene		ug/g	0.020	-	-	-	-	-	<0.020	-	-	-	-
Toluene		ug/g	0.020	-	-	-	-	-	0.028	-	-	-	-
Ethylbenzene		ug/g	0.020	-	-	-	-	-	<0.020	-	-	-	-
o-Xylene		ug/g	0.020	-	-	-	-	-	0.03	-	-	-	-
p+m-Xylene		ug/g	0.040	-	-	-	-	-	0.042	-	-	-	-
Total Xylenes		ug/g	0.040	-	-	-	-	-	0.072	-	-	-	-
F1 (C6-C10)		ug/g	10	-	-	-	-	-	<10	-	-	-	-
F1 (C6-C10) - BTEX		ug/g	10	-	-	-	-	-	<10	-	-	-	-
F2 (C10-C16 Hydrocarbons)		ug/g	10	-	-	-	-	-	<10	-	-	-	-
F3 (C16-C34 Hydrocarbons)		ug/g	10	-	-	-	-	-	51	-	-	-	-
F4 (C34-C50 Hydrocarbons)		ug/g	10	-	-	-	-	-	11	-	-	-	-
Reached Baseline at C50		ug/g		-	-	-	-	-	YES	-	-	-	-
Acenaphthene	4.1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Acenaphthylene	1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Anthracene	2.4	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Benzo(a)anthracene	1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Benzo(a)pyrene	0.01	ug/L	0.005 - 0.010	-	-	-	-	-	-	-	<0.010	0.019	<0.010
Benzo(b/j)fluoranthene	0.1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	0.2	ug/L	0.10 - 0.20	-	-	-	-	-	-	-	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	0.1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Chrysene	0.1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Dibenz(a,h)anthracene	0.2	ug/L	0.10 - 0.20	-	-	-	-	-	-	-	<0.10	<0.10	<0.10
Fluoranthene	0.41	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	0.051	<0.050
Fluorene	120	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	0.2	ug/L	0.10 - 0.20	-	-	-	-	-	-	-	<0.10	<0.10	<0.10
1-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
2-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
Naphthalene	11	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	0.061	0.073
Phenanthrene	1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	0.051	<0.050
Pyrene	4.1	ug/L	0.050 - 0.10	-	-	-	-	-	-	-	<0.050	<0.050	<0.050
F2 (C10-C16 Hydrocarbons)	150	ug/L	100	-	-	-	-	-	-	-	<100	<100	<100
F3 (C16-C34 Hydrocarbons)	500	ug/L	100	-	-	-	-	-	-	-	<100	<100	<100
F4 (C34-C50 Hydrocarbons)	500	ug/L	100	-	-	-	-	-	-	-	<100	<100	<100
Reached Baseline at C50		ug/L		-	-	-	-	-	-	-	YES	YES	YES
Dissolved Chloride (Cl)	790	mg/L	1.0 - 10	-	-	-	-	-	-	-	<1.0	130	400
Nitrite (N)		mg/L	0.010	-	-	-	-	-	-	-	<0.010	<0.010	<0.010
Nitrate (N)		mg/L	0.10	-	-	-	-	-	-	-	<0.10	<0.10	<0.10
Nitrate + Nitrite (N)		mg/L	0.10	-	-	-	-	-	-	-	<0.10	<0.10	<0.10
Chromium (VI)	25	ug/L	5	-	-	-	-	-	-	-	<5	<5	<5
Free Cyanide	66	ug/L	2	-	-	-	-	-	-	-	<2	<2	<2
Mercury (Hg)	0.29	ug/L	0.02 - 0.1	-	-	-	-	-	-	-	<0.1	<0.1	<0.1
F1 (C6-C10)	750	ug/L	100	-	-	-	-	-	-	-	<100	<100	<100
F1 (C6-C10) - BTEX	750	ug/L	100	-	-	-	-	-	-	-	<100	<100	<100
Total Organic Carbon (TOC)		mg/L	0.20	-	-	-	-	-	-	-	-	-	-
Dissolved Organic Carbon		mg/L	0.20	-	-	-	-	-	-	-	-	-	-

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-PGW-C

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				TH 120	TH 100	TH 101	TH 105	TH 109	TH 111	FIELD BLANK	MW3-09	MW4-09	MW5-09
Maxxam Job ID / Sample ID				A907024 / BO0591	A907024 / BO0583	A907024 / BO0584	A907024 / BO0586	A907024 / BO0587	A907024 / BO0588	A907024 / BO0593	A9D7838 / EA6143	A9D7838 / EA6144	A9D7838 / EA6145
Sample Collection Date				Jan 20, 2009	Jan 21, 2009	Jan 21, 2009	Jan 21, 2009	Jan 21, 2009	Jan 21, 2009	Jan 21, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*										
Chromium (VI)		ug/g	0.2 - 1	-	-	-	-	-	-	-	-	-	-
Acid Extractable Mercury (Hg)		ug/g	0.05	-	-	-	-	-	-	-	-	-	-
Acid Extractable Antimony (Sb)		ug/g	0.20	-	-	-	-	-	-	-	-	-	-
Acid Extractable Arsenic (As)		ug/g	1.0	-	-	-	-	-	-	-	-	-	-
Acid Extractable Barium (Ba)		ug/g	0.50	-	-	-	-	-	-	-	-	-	-
Acid Extractable Beryllium (Be)		ug/g	0.20	-	-	-	-	-	-	-	-	-	-
Acid Extractable Cadmium (Cd)		ug/g	0.10	-	-	-	-	-	-	-	-	-	-
Acid Extractable Chromium (Cr)		ug/g	1.0	-	-	-	-	-	-	-	-	-	-
Acid Extractable Cobalt (Co)		ug/g	0.10	-	-	-	-	-	-	-	-	-	-
Acid Extractable Copper (Cu)		ug/g	0.50	-	-	-	-	-	-	-	-	-	-
Acid Extractable Lead (Pb)		ug/g	1.0	-	-	-	-	-	-	-	-	-	-
Acid Extractable Molybdenum (Mo)		ug/g	0.50	-	-	-	-	-	-	-	-	-	-
Acid Extractable Nickel (Ni)		ug/g	0.50	-	-	-	-	-	-	-	-	-	-
Acid Extractable Selenium (Se)		ug/g	0.50	-	-	-	-	-	-	-	-	-	-
Acid Extractable Silver (Ag)		ug/g	0.20	-	-	-	-	-	-	-	-	-	-
Acid Extractable Thallium (Tl)		ug/g	0.050	-	-	-	-	-	-	-	-	-	-
Acid Extractable Vanadium (V)		ug/g	5.0	-	-	-	-	-	-	-	-	-	-
Acid Extractable Zinc (Zn)		ug/g	5.0	-	-	-	-	-	-	-	-	-	-
Dissolved Antimony (Sb)	6	ug/L	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	<0.50
Dissolved Arsenic (As)	25	ug/L	1.0 - 5.0	1.7	1.2	1.4	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0
Dissolved Barium (Ba)	1000	ug/L	5.0	260	84	470	120	190	220	-	14	280	110
Dissolved Beryllium (Be)	4	ug/L	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	<0.50
Dissolved Boron (B)	5000	ug/L	10	140	230	480	290	420	30	-	68	74	240
Dissolved Cadmium (Cd)	2.7	ug/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10
Dissolved Chromium (Cr)	50	ug/L	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0
Dissolved Cobalt (Co)	3.8	ug/L	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	1.7
Dissolved Copper (Cu)	87	ug/L	1.0	1.8	1.2	1.8	1.1	1.3	3.6	-	<1.0	<1.0	1.2
Dissolved Lead (Pb)	10	ug/L	0.50	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	<0.50
Dissolved Molybdenum (Mo)	70	ug/L	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	1.2	1.2	1.4
Dissolved Nickel (Ni)	100	ug/L	1.0 - 5.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	-	<1.0	<1.0	<1.0
Dissolved Selenium (Se)	10	ug/L	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Dissolved Silver (Ag)	1.5	ug/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10
Dissolved Sodium (Na)	490000	ug/L	100	110000	79000	75000	89000	36000	120000	-	18000	470000	110000
Dissolved Thallium (Tl)	2	ug/L	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Dissolved Vanadium (V)	6.2	ug/L	1.0 - 5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	-	<1.0	1.7	2.4
Dissolved Zinc (Zn)	1100	ug/L	5.0	<5.0	5.3	9.2	<5.0	5	<5.0	-	5.2	7.8	6.4
Acetone (2-Propanone)	2700	ug/L	10 - 1000	<25	<10	<10	<20	<10	<10	<10	<1000	<10	<10
Benzene	5	ug/L	0.10 - 10	0.52	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
Bromodichloromethane	16	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	0.17	<10	<0.10	<0.10
Bromoform	25	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
Bromomethane	0.89	ug/L	0.50 - 50	<1.3	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<50	<0.50	<0.50
Carbon Tetrachloride	0.79	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
Chlorobenzene	30	ug/L	0.10 - 10	6.1	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
Chloroform	2.4	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	0.86	<10	<0.10	<0.10
Dibromochloromethane	25	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
1,2-Dichlorobenzene	3	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
1,3-Dichlorobenzene	59	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
1,4-Dichlorobenzene	1	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
1,1-Dichloroethane	5	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	0.15
1,2-Dichloroethane	1.6	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
1,1-Dichloroethylene	1.6	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
cis-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	<0.25	<0.10	<0.10	0.36	<0.10	<0.10	<0.10	670	0.12	<0.10
trans-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
1,2-Dichloropropane	5	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
cis-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
trans-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
Ethylbenzene	2.4	ug/L	0.10 - 10	1.3	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
Ethylene Dibromide	0.2	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
Methylene Chloride(Dichloromethane)	50	ug/L	0.50 - 50	<1.3	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<50	<0.50	<0.50
Methyl Ethyl Ketone (2-Butanone)	1800	ug/L	5.0 - 500	<13	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<500	8	<5.0
Methyl Isobutyl Ketone	640	ug/L	5.0 - 500	<13	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<500	<5.0	<5.0
Methyl t-butyl ether (MTBE)	15	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
Styrene	5.4	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	1.1	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
Tetrachloroethylene	1.6	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
Toluene	24	ug/L	0.20 - 20	0.95	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	1	0.62
1,1,1-Trichloroethane	200	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
1,1,2-Trichloroethane	4.7	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
Trichloroethylene	1.6	ug/L	0.10 - 10	<0.25	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	1500	0.12	0.13

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**TH 120**	**TH 100**	**TH 101**	**TH 105**	**TH 109**	**TH 111**	**FIELD BLANK**	**MW3-09**	**MW4-09**	**MW5-09**
Maxxam Job ID / Sample ID				**A907024 / BO0591**	**A907024 / BO0583**	**A907024 / BO0584**	**A907024 / BO0586**	**A907024 / BO0587**	**A907024 / BO0588**	**A907024 / BO0593**	**A9D7838 / EA6143**	**A9D7838 / EA6144**	**A9D7838 / EA6145**
Sample Collection Date				**Jan 20, 2009**	**Jan 21, 2009**	**Jan 21, 2009**	**Jan 21, 2009**	**Jan 21, 2009**	**Jan 21, 2009**	**Jan 21, 2009**	**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***										
Vinyl Chloride	0.5	ug/L	0.20 - 20	<0.50	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<20	<0.20	<0.20
p+m-Xylene		ug/L	0.10 - 10	18	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	0.14	0.14
o-Xylene		ug/L	0.10 - 10	2.8	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	<0.10	<0.10
Total Xylenes	300	ug/L	0.10 - 10	21	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<10	0.14	0.14
Benzene		ug/g	0.020	-	-	-	-	-	-	-	-	-	-
Toluene		ug/g	0.020	-	-	-	-	-	-	-	-	-	-
Ethylbenzene		ug/g	0.020	-	-	-	-	-	-	-	-	-	-
o-Xylene		ug/g	0.020	-	-	-	-	-	-	-	-	-	-
p+m-Xylene		ug/g	0.040	-	-	-	-	-	-	-	-	-	-
Total Xylenes		ug/g	0.040	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10)		ug/g	10	-	-	-	-	-	-	-	-	-	-
F1 (C6-C10) - BTEX		ug/g	10	-	-	-	-	-	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-	-	-
F3 (C16-C34 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-	-	-
F4 (C34-C50 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-	-	-
Reached Baseline at C50		ug/g		-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	ug/L	0.050 - 0.10	0.37	<0.050	<0.050	0.16	<0.050	<0.050	-	<0.050	<0.050	<0.050
Acenaphthylene	1	ug/L	0.050 - 0.10	0.25	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Anthracene	2.4	ug/L	0.050 - 0.10	0.45	<0.050	<0.050	0.13	<0.050	<0.050	-	<0.050	<0.050	<0.050
Benzo(a)anthracene	1	ug/L	0.050 - 0.10	0.85	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Benzo(a)pyrene	0.01	ug/L	0.005 - 0.010	**0.68**	<0.010	**0.028**	<0.010	<0.010	<0.010	-	<0.005	<0.005	<0.005
Benzo(b/j)fluoranthene	0.1	ug/L	0.050 - 0.10	**0.91**	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	0.2	ug/L	0.10 - 0.20	**0.71**	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	0.1	ug/L	0.050 - 0.10	**0.37**	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Chrysene	0.1	ug/L	0.050 - 0.10	**0.67**	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Dibenz(a,h)anthracene	0.2	ug/L	0.10 - 0.20	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10
Fluoranthene	0.41	ug/L	0.050 - 0.10	**1.9**	<0.050	0.059	0.19	<0.050	<0.050	-	<0.050	<0.050	<0.050
Fluorene	120	ug/L	0.050 - 0.10	0.64	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	0.2	ug/L	0.10 - 0.20	**0.5**	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10
1-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	**3.6**	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
2-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	**5.1**	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Naphthalene	11	ug/L	0.050 - 0.10	4.9	0.12	0.05	0.054	0.054	0.083	-	<0.050	<0.050	<0.050
Phenanthrene	1	ug/L	0.050 - 0.10	**1.6**	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050
Pyrene	4.1	ug/L	0.050 - 0.10	1.9	<0.050	0.06	0.076	<0.050	<0.050	-	<0.050	<0.050	<0.050
F2 (C10-C16 Hydrocarbons)	150	ug/L	100	**450**	<100	<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16-C34 Hydrocarbons)	500	ug/L	100	**7100**	<100	<100	<100	<100	<100	<100	<100	<100	<100
F4 (C34-C50 Hydrocarbons)	500	ug/L	100	**1900**	<100	<100	<100	<100	<100	<100	<100	<100	<100
Reached Baseline at C50		ug/L		YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Dissolved Chloride (Cl)	790	mg/L	1.0 - 10	140	86	82	120	62	180	-	60	**880**	180
Nitrite (N)		mg/L	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.054	-	0.011	<0.010	<0.010
Nitrate (N)		mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	4.99	-	<0.10	<0.10	<0.10
Nitrate + Nitrite (N)		mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	5.04	-	<0.10	<0.10	<0.10
Chromium (VI)	25	ug/L	5	<5	<5	<5	<5	<5	<5	-	<5.0	<5.0	<5.0
Free Cyanide	66	ug/L	2	<2	<2	<2	<2	<2	<2	-	<2	<2	<2
Mercury (Hg)	0.29	ug/L	0.02 - 0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.02	0.02	0.02
F1 (C6-C10)	750	ug/L	100	340	<100	<100	<100	<100	<100	<100	410	<100	<100
F1 (C6-C10) - BTEX	750	ug/L	100	310	<100	<100	<100	<100	<100	<100	410	<100	<100
Total Organic Carbon (TOC)		mg/L	0.20	-	-	-	-	-	-	-	2.5	15	22
Dissolved Organic Carbon		mg/L	0.20	-	-	-	-	-	-	-	1.6	3.8	5

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-PGW-C

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				MW6-09	DUPLICATE2	MW7-09	TBH100	TBH112	TBH120	DUPLICATE 1	FIELD BLANK1	FIELD BLANK2
Maxxam Job ID / Sample ID				A9D7838 / EA6146	A9D7838 / EA6147	A9D7838 / EA6148	A9D7959 / EA6690	A9D7959 / EA6691	A9D7959 / EA6693	A9D7959 / EA6694	A9D7994 / EA6853	A9D7994 / EA6854
Sample Collection Date				Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009	Oct 14, 2009
Parameter	*Criteria* [1]	*Units*	*RDL*									
Chromium (VI)		ug/g	0.2 - 1	-	-	-	-	-	-	-	-	-
Acid Extractable Mercury (Hg)		ug/g	0.05	-	-	-	-	-	-	-	-	-
Acid Extractable Antimony (Sb)		ug/g	0.20	-	-	-	-	-	-	-	-	-
Acid Extractable Arsenic (As)		ug/g	1.0	-	-	-	-	-	-	-	-	-
Acid Extractable Barium (Ba)		ug/g	0.50	-	-	-	-	-	-	-	-	-
Acid Extractable Beryllium (Be)		ug/g	0.20	-	-	-	-	-	-	-	-	-
Acid Extractable Cadmium (Cd)		ug/g	0.10	-	-	-	-	-	-	-	-	-
Acid Extractable Chromium (Cr)		ug/g	1.0	-	-	-	-	-	-	-	-	-
Acid Extractable Cobalt (Co)		ug/g	0.10	-	-	-	-	-	-	-	-	-
Acid Extractable Copper (Cu)		ug/g	0.50	-	-	-	-	-	-	-	-	-
Acid Extractable Lead (Pb)		ug/g	1.0	-	-	-	-	-	-	-	-	-
Acid Extractable Molybdenum (Mo)		ug/g	0.50	-	-	-	-	-	-	-	-	-
Acid Extractable Nickel (Ni)		ug/g	0.50	-	-	-	-	-	-	-	-	-
Acid Extractable Selenium (Se)		ug/g	0.50	-	-	-	-	-	-	-	-	-
Acid Extractable Silver (Ag)		ug/g	0.20	-	-	-	-	-	-	-	-	-
Acid Extractable Thallium (Tl)		ug/g	0.050	-	-	-	-	-	-	-	-	-
Acid Extractable Vanadium (V)		ug/g	5.0	-	-	-	-	-	-	-	-	-
Acid Extractable Zinc (Zn)		ug/g	5.0	-	-	-	-	-	-	-	-	-
Dissolved Antimony (Sb)	6	ug/L	0.50	<0.50	<0.50	<0.50	0.51	0.69	<0.50	0.64	<0.50	<0.50
Dissolved Arsenic (As)	25	ug/L	1.0 - 5.0	1	<1.0	<1.0	2.6	4.5	3.9	4.1	<1.0	<1.0
Dissolved Barium (Ba)	1000	ug/L	5.0	130	130	120	83	61	310	310	<5.0	<5.0
Dissolved Beryllium (Be)	4	ug/L	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron (B)	5000	ug/L	10	88	91	96	220	44	230	240	13	<10
Dissolved Cadmium (Cd)	2.7	ug/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dissolved Chromium (Cr)	50	ug/L	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dissolved Cobalt (Co)	3.8	ug/L	0.50	2.1	2.3	0.69	<0.50	1	<0.50	0.5	<0.50	<0.50
Dissolved Copper (Cu)	87	ug/L	1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0
Dissolved Lead (Pb)	10	ug/L	0.50	<0.50	<0.50	<0.50	<0.50	3.4	0.65	0.76	<0.50	<0.50
Dissolved Molybdenum (Mo)	70	ug/L	1.0	5	5.2	<1.0	<1.0	<1.0	2.8	2.8	<1.0	<1.0
Dissolved Nickel (Ni)	100	ug/L	1.0 - 5.0	<1.0	<1.0	<1.0	1.8	1.7	3	4.3	<1.0	<1.0
Dissolved Selenium (Se)	10	ug/L	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Silver (Ag)	1.5	ug/L	0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	0.11	<0.10	<0.10
Dissolved Sodium (Na)	490000	ug/L	100	47000	49000	190000	72000	340000	160000	160000	<100	<100
Dissolved Thallium (Tl)	2	ug/L	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Dissolved Vanadium (V)	6.2	ug/L	1.0 - 5.0	<1.0	<1.0	2.5	<1.0	1.1	<1.0	<1.0	<1.0	<1.0
Dissolved Zinc (Zn)	1100	ug/L	5.0	6.2	<5.0	<5.0	6	9.7	<5.0	6.5	<5.0	<5.0
Acetone (2-Propanone)	2700	ug/L	10 - 1000	<100	<100	16	<10	<10	<100	<100	<10	<10
Benzene	5	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	1.2	1.2	<0.10	<0.10
Bromodichloromethane	16	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
Bromoform	25	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
Bromomethane	0.89	ug/L	0.50 - 50	<5.0	<5.0	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
Carbon Tetrachloride	0.79	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
Chlorobenzene	30	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	18	18	<0.10	<0.10
Chloroform	2.4	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
Dibromochloromethane	25	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
1,2-Dichlorobenzene	3	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
1,3-Dichlorobenzene	59	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
1,4-Dichlorobenzene	1	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
1,1-Dichloroethane	5	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
1,2-Dichloroethane	1.6	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
1,1-Dichloroethylene	1.6	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
cis-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	170	160	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
trans-1,2-Dichloroethylene	1.6	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
1,2-Dichloropropane	5	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
cis-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
trans-1,3-Dichloropropene	0.5	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
Ethylbenzene	2.4	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	1.1	<0.10	<0.10
Ethylene Dibromide	0.2	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
Methylene Chloride(Dichloromethane)	50	ug/L	0.50 - 50	<5.0	<5.0	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
Methyl Ethyl Ketone (2-Butanone)	1800	ug/L	5.0 - 500	<50	<50	<5.0	<5.0	<5.0	<50	<50	<5.0	<5.0
Methyl Isobutyl Ketone	640	ug/L	5.0 - 500	<50	<50	<5.0	<5.0	<5.0	<50	<50	<5.0	<5.0
Methyl t-butyl ether (MTBE)	15	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
Styrene	5.4	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
1,1,1,2-Tetrachloroethane	1.1	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
Tetrachloroethylene	1.6	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
Toluene	24	ug/L	0.20 - 20	<2.0	<2.0	0.43	0.27	<0.20	<2.0	<2.0	<0.20	<0.20
1,1,1-Trichloroethane	200	ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	<1.0	<1.0	<0.10	<0.10
1,1,2-Trichloroethane	4.7	ug/L	0.20 - 20	<2.0	<2.0	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
Trichloroethylene	1.6	ug/L	0.10 - 10	<1.0	<1.0	0.11	<0.10	0.14	<1.0	<1.0	<0.10	<0.10

GROUND WATER QUALITY ANALYSIS

51-75 Bradford Street

PROJECT # 1-17-0147-42

Sample ID				**MW6-09**	**DUPLICATE2**	**MW7-09**	**TBH100**	**TBH112**	**TBH120**	**DUPLICATE 1**	**FIELD BLANK1**	**FIELD BLANK2**
Maxxam Job ID / Sample ID				**A9D7838 / EA6146**	**A9D7838 / EA6147**	**A9D7838 / EA6148**	**A9D7959 / EA6690**	**A9D7959 / EA6691**	**A9D7959 / EA6693**	**A9D7959 / EA6694**	**A9D7994 / EA6853**	**A9D7994 / EA6854**
Sample Collection Date				**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**	**Oct 14, 2009**
Parameter	***Criteria*** [1]	***Units***	***RDL***									
Vinyl Chloride	0.5	ug/L	0.20 - 20	200	200	<0.20	<0.20	<0.20	<2.0	<2.0	<0.20	<0.20
p+m-Xylene		ug/L	0.10 - 10	<1.0	<1.0	0.16	<0.10	<0.10	10	11	<0.10	<0.10
o-Xylene		ug/L	0.10 - 10	<1.0	<1.0	<0.10	<0.10	<0.10	2.2	2.4	<0.10	<0.10
Total Xylenes	300	ug/L	0.10 - 10	<1.0	<1.0	0.16	<0.10	<0.10	12	13	<0.10	<0.10
Benzene		ug/g	0.020	-	-	-	-	-	-	-	-	-
Toluene		ug/g	0.020	-	-	-	-	-	-	-	-	-
Ethylbenzene		ug/g	0.020	-	-	-	-	-	-	-	-	-
o-Xylene		ug/g	0.020	-	-	-	-	-	-	-	-	-
p+m-Xylene		ug/g	0.040	-	-	-	-	-	-	-	-	-
Total Xylenes		ug/g	0.040	-	-	-	-	-	-	-	-	-
F1 (C6-C10)		ug/g	10	-	-	-	-	-	-	-	-	-
F1 (C6-C10) - BTEX		ug/g	10	-	-	-	-	-	-	-	-	-
F2 (C10-C16 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-	-
F3 (C16-C34 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-	-
F4 (C34-C50 Hydrocarbons)		ug/g	10	-	-	-	-	-	-	-	-	-
Reached Baseline at C50		ug/g		-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	0.11	0.098	<0.050	<0.10
Acenaphthylene	1	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Anthracene	2.4	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Benzo(a)anthracene	1	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Benzo(a)pyrene	0.01	ug/L	0.005 - 0.010	0.026	0.006	<0.005	0.005	0.009	0.009	0.009	<0.005	<0.01
Benzo(b/j)fluoranthene	0.1	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Benzo(g,h,i)perylene	0.2	ug/L	0.10 - 0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
Benzo(k)fluoranthene	0.1	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Chrysene	0.1	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Dibenz(a,h)anthracene	0.2	ug/L	0.10 - 0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
Fluoranthene	0.41	ug/L	0.050 - 0.10	0.051	<0.050	<0.050	<0.050	<0.050	0.051	<0.050	<0.050	<0.10
Fluorene	120	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	0.095	0.083	<0.050	<0.10
Indeno(1,2,3-cd)pyrene	0.2	ug/L	0.10 - 0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
1-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
2-Methylnaphthalene	3.2	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Naphthalene	11	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	0.074	0.055	0.23	0.19	<0.050	<0.10
Phenanthrene	1	ug/L	0.050 - 0.10	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Pyrene	4.1	ug/L	0.050 - 0.10	0.051	<0.050	<0.050	<0.050	<0.050	0.083	0.079	<0.050	<0.10
F2 (C10-C16 Hydrocarbons)	150	ug/L	100	<100	<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16-C34 Hydrocarbons)	500	ug/L	100	<100	<100	<100	<100	<100	<100	<100	<100	<100
F4 (C34-C50 Hydrocarbons)	500	ug/L	100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Reached Baseline at C50		ug/L		YES	YES	YES	YES	YES	YES	YES	YES	YES
Dissolved Chloride (Cl)	790	mg/L	1.0 - 10	87	88	280	99	460	180	170	<1.0	<1.0
Nitrite (N)		mg/L	0.010	<0.010	<0.010	<0.010	<0.010	0.02	<0.010	<0.010	<0.010	<0.010
Nitrate (N)		mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate + Nitrite (N)		mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chromium (VI)	25	ug/L	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Free Cyanide	66	ug/L	2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Mercury (Hg)	0.29	ug/L	0.02 - 0.1	<0.02	<0.02	0.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
F1 (C6-C10)	750	ug/L	100	<100	<100	<100	<100	<100	<100	<100	<100	<100
F1 (C6-C10) - BTEX	750	ug/L	100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Total Organic Carbon (TOC)		mg/L	0.20	22	22	57	17	6.6	19	18	<0.20	<0.20
Dissolved Organic Carbon		mg/L	0.20	8.7	5.9	26	14	3.1	14	16	0.47	0.49

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Criteria 1	Reg153/04 T2-PGW-C

TERRAPROBE PHASE TWO ESA RESULTS

2017

SOIL RESULTS

Table 1 Standards, MOECC 2011

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

Sample ID	Unit	LOR	Guideline	BH304 SA1	BH304 SA2	BH304 SA11	DUP 1
LAB ID				L1951949-10	L1951949-11	L1951949-12	L1951949-13
Date Sampled				6/29/2017 3:00:00 AM	6/29/2017 3:00:00 AM	6/29/2017 3:00:00 AM	6/29/2017 3:00:00 AM
Analyte				Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.57	0.129	-	0.111	0.144
% Moisture	%	0.1	-	15.7	10.1	19.2	18
pH	pH units	0.1	-	7.43	-	8.04	7.92
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	<0.050	-	<0.050	<0.050
SAR	SAR	0.1	2.4	0.20 *	-	1.48 *	2.44 *
Calcium (Ca)	mg/L	1	-	11.3	-	2.7	2.9
Magnesium (Mg)	mg/L	1	-	<1.0	-	<1.0	<1.0
Sodium (Na)	mg/L	1	-	2.4	-	8.8	15
Antimony (Sb)	ug/g	1	1.3	<1.0	-	<1.0	<1.0
Arsenic (As)	ug/g	1	18	2.9	-	1.1	1.1
Barium (Ba)	ug/g	1	220	85.7	-	28.2	28.1
Beryllium (Be)	ug/g	0.5	2.5	<0.50	-	<0.50	<0.50
Boron (B)	ug/g	5	36	5.3	-	<5.0	<5.0
Boron (B), Hot Water Ext. Available	ug/g	0.1	36	0.16	-	0.16	0.14
Cadmium (Cd)	ug/g	0.5	1.2	<0.50	-	<0.50	<0.50
Chromium (Cr)	ug/g	1	70	17.7	-	9.1	8.8
Cobalt (Co)	ug/g	1	21	4.1	-	2.9	2.9
Copper (Cu)	ug/g	1	92	21	-	5.3	5.2
Lead (Pb)	ug/g	1	120	**294**	-	1.9	1.8
Mercury (Hg)	ug/g	0.005	0.27	**0.528**	-	<0.0050	<0.0050
Molybdenum (Mo)	ug/g	1	2	<1.0	-	<1.0	<1.0
Nickel (Ni)	ug/g	1	82	7.8	-	5.5	5.4
Selenium (Se)	ug/g	1	1.5	<1.0	-	<1.0	<1.0
Silver (Ag)	ug/g	0.2	0.5	<0.20	-	<0.20	<0.20
Thallium (Tl)	ug/g	0.5	1	<0.50	-	<0.50	<0.50
Uranium (U)	ug/g	1	2.5	<1.0	-	<1.0	<1.0
Vanadium (V)	ug/g	1	86	26.3	-	18.7	18.8
Zinc (Zn)	ug/g	5	290	176	-	14	15.9
Chromium, Hexavalent	ug/g	0.2	0.66	<0.20	-	<0.20	<0.20
Acetone	ug/g	0.5	0.5	-	<0.50	<0.50	<0.50
Benzene	ug/g	0.0068	0.02	-	<0.0068	<0.0068	<0.0068
Bromodichloromethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Bromoform	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Bromomethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Carbon tetrachloride	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Chlorobenzene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Dibromochloromethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Chloroform	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,2-Dibromoethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,2-Dichlorobenzene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,3-Dichlorobenzene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,4-Dichlorobenzene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Dichlorodifluoromethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,1-Dichloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,2-Dichloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,1-Dichloroethylene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
cis-1,2-Dichloroethylene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
trans-1,2-Dichloroethylene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Methylene Chloride	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,2-Dichloropropane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
cis-1,3-Dichloropropene	ug/g	0.03	-	-	<0.030	<0.030	<0.030
trans-1,3-Dichloropropene	ug/g	0.03	-	-	<0.030	<0.030	<0.030
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	-	<0.042	<0.042	<0.042
Ethylbenzene	ug/g	0.018	0.05	-	<0.018	<0.018	<0.018
n-Hexane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Methyl Ethyl Ketone	ug/g	0.5	0.5	-	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g	0.5	0.5	-	<0.50	<0.50	<0.50
MTBE	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Styrene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Tetrachloroethylene	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

Sample ID	Unit	LOR	Guideline	BH304 SA1	BH304 SA2	BH304 SA11	DUP 1
LAB ID				L1951949-10	L1951949-11	L1951949-12	L1951949-13
Date Sampled				6/29/2017 3:00:00 AM	6/29/2017 3:00:00 AM	6/29/2017 3:00:00 AM	6/29/2017 3:00:00 AM
Analyte				Soil	Soil	Soil	Soil
Toluene	ug/g	0.08	0.2	-	<0.080	<0.080	<0.080
1,1,1-Trichloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
1,1,2-Trichloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
Trichloroethylene	ug/g	0.01	0.05	-	<0.010	<0.010	<0.010
Trichlorofluoromethane	ug/g	0.05	0.25	-	<0.050	<0.050	<0.050
Vinyl chloride	ug/g	0.02	0.02	-	<0.020	<0.020	<0.020
o-Xylene	ug/g	0.02	-	-	<0.020	<0.020	<0.020
m+p-Xylenes	ug/g	0.03	-	-	<0.030	<0.030	<0.030
Xylenes (Total)	ug/g	0.05	0.05	-	<0.050	<0.050	<0.050
4-Bromofluorobenzene	%	Surrogate	-	-	99.5	94.7	98.6
1,4-Difluorobenzene	%	Surrogate	-	-	101.2	96.3	98.1
F1 (C6-C10)	ug/g	5	25	-	<5.0	<5.0	<5.0
F1-BTEX	ug/g	5	25	-	<5.0	<5.0	<5.0
F2 (C10-C16)	ug/g	10	10	-	<10	<10	<10
F2-Naphth	ug/g	10	-	-	<10	<10	<10
F3 (C16-C34)	ug/g	50	240	-	<50	<50	<50
F3-PAH	ug/g	50	-	-	<50	<50	<50
F4 (C34-C50)	ug/g	50	120	-	<50	<50	<50
F4G-SG (GHH-Silica)	ug/g	250	120	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	-	<72	<72	<72
Chrom. to baseline at nC50		n/a	-	-	YES	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	-	85	60.2	85
3,4-Dichlorotoluene	%	Surrogate	-	-	89	93.3	94.3
Acenaphthene	ug/g	0.05	0.072	-	<0.050	<0.050	<0.050
Acenaphthylene	ug/g	0.05	0.093	-	<0.050	<0.050	<0.050
Anthracene	ug/g	0.05	0.16	-	<0.050	<0.050	<0.050
Benzo(a)anthracene	ug/g	0.05	0.36	-	<0.050	<0.050	<0.050
Benzo(a)pyrene	ug/g	0.05	0.3	-	<0.050	<0.050	<0.050
Benzo(b)fluoranthene	ug/g	0.05	0.47	-	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	ug/g	0.05	0.68	-	<0.050	<0.050	<0.050
Benzo(k)fluoranthene	ug/g	0.05	0.48	-	<0.050	<0.050	<0.050
Chrysene	ug/g	0.05	2.8	-	<0.050	<0.050	<0.050
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	<0.050	<0.050	<0.050
Fluoranthene	ug/g	0.05	0.56	-	<0.050	<0.050	<0.050
Fluorene	ug/g	0.05	0.12	-	<0.050	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.23	-	<0.050	<0.050	<0.050
1+2-Methylnaphthalenes	ug/g	0.042	0.59	-	<0.042	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.03	0.59	-	<0.030	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.03	0.59	-	<0.030	<0.030	<0.030
Naphthalene	ug/g	0.05	0.09	-	<0.050	<0.050	<0.050
Phenanthrene	ug/g	0.05	0.69	-	<0.050	<0.050	<0.050
Pyrene	ug/g	0.05	1	-	<0.050	<0.050	<0.050
2-Fluorobiphenyl	%	Surrogate	-	-	109	106.5	111.7
p-Terphenyl d14	%	Surrogate	-	-	111.6	107.4	111.7

Legend	
To Be Announced	TBA
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
* = Result Qualified	Mouse-over the result to see the qualification.
Criteria 1	Reg153/04 T1-Soil/Res

SOIL RESULTS

Table 2 Standards, MOECC 2011

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH201-SS1	BH201-SS8	BH201-SS12	BH201-SS13	BH202-SS1
8/3/2017		ALS ID		L1914068-1	L1914068-2	L1914068-3	L1914068-4	L1914068-5
Multiple Work Orders		Date Sampled		4/10/2017 9:00:00 AM	4/10/2017 10:00:00 AM	4/10/2017 10:30:00 AM	4/10/2017 10:45:00 AM	4/10/2017 1:00:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	0.153	-	0.231	-	-
% Moisture	%	0.1	-	11.7	74.9	18.4	18.4	11.2
pH	pH units	0.1	-	7.47	-	7.82	-	-
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	<0.050	-	<0.050	-	-
SAR	SAR	0.1	5	0.15 *	-	5.26 *	-	-
Calcium (Ca)	mg/L	1	-	14.9	-	3	-	-
Magnesium (Mg)	mg/L	1	-	<1.0	-	<1.0	-	-
Sodium (Na)	mg/L	1	-	2.1	-	33.1	-	-
Antimony (Sb)	ug/g	1	7.5	<1.0	-	<1.0	-	-
Arsenic (As)	ug/g	1	18	1.5	-	<1.0	-	-
Barium (Ba)	ug/g	1	390	65.4	-	8.5	-	-
Beryllium (Be)	ug/g	0.5	4	<0.50	-	<0.50	-	-
Boron (B)	ug/g	5	120	5.7	-	<5.0	-	-
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	0.13	-	<0.10	-	-
Cadmium (Cd)	ug/g	0.5	1.2	<0.50	-	<0.50	-	-
Chromium (Cr)	ug/g	1	160	15.5	-	6.6	-	-
Cobalt (Co)	ug/g	1	22	4.6	-	1.5	-	-
Copper (Cu)	ug/g	1	140	8.3	-	1.6	-	-
Lead (Pb)	ug/g	1	120	6.9	-	<1.0	-	-
Mercury (Hg)	ug/g	0.005	0.27	0.0243	-	<0.0050	-	-
Molybdenum (Mo)	ug/g	1	6.9	<1.0	-	<1.0	-	-
Nickel (Ni)	ug/g	1	100	8.5	-	2.6	-	-
Selenium (Se)	ug/g	1	2.4	<1.0	-	<1.0	-	-
Silver (Ag)	ug/g	0.2	20	<0.20	-	<0.20	-	-
Thallium (Tl)	ug/g	0.5	1	<0.50	-	<0.50	-	-
Uranium (U)	ug/g	1	23	<1.0	-	<1.0	-	-
Vanadium (V)	ug/g	1	86	29.4	-	20.6	-	-
Zinc (Zn)	ug/g	5	340	29.8	-	6.3	-	-
Chromium, Hexavalent	ug/g	0.2	8	<0.20	-	<0.20	-	-
Acetone	ug/g	0.5	16	-	<1.5 *	-	<0.50	-
Benzene	ug/g	0.0068	0.21	-	<0.020 *	-	<0.0068	-
Bromodichloromethane	ug/g	0.05	1.5	-	<0.15 *	-	<0.050	-
Bromoform	ug/g	0.05	0.27	-	<0.15 *	-	<0.050	-
Bromomethane	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
Carbon tetrachloride	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
Chlorobenzene	ug/g	0.05	2.4	-	<0.15 *	-	<0.050	-
Dibromochloromethane	ug/g	0.05	2.3	-	<0.15 *	-	<0.050	-
Chloroform	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
1,2-Dibromoethane	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	-	<0.15 *	-	<0.050	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	-	<0.15 *	-	<0.050	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	-	<0.15 *	-	<0.050	-
Dichlorodifluoromethane	ug/g	0.05	16	-	<0.15 *	-	<0.050	-
1,1-Dichloroethane	ug/g	0.05	0.47	-	<0.15 *	-	<0.050	-
1,2-Dichloroethane	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
1,1-Dichloroethylene	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	-	<0.15 *	-	<0.050	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	-	<0.15 *	-	<0.050	-
Methylene Chloride	ug/g	0.05	0.1	-	<0.15 *	-	<0.050	-
1,2-Dichloropropane	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
cis-1,3-Dichloropropene	ug/g	0.03	-	-	<0.090 *	-	<0.030	-
trans-1,3-Dichloropropene	ug/g	0.03	-	-	<0.090 *	-	<0.030	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	-	<0.13	-	<0.042	-
Ethylbenzene	ug/g	0.018	1.1	-	<0.054 *	-	<0.018	-
n-Hexane	ug/g	0.05	2.8	-	<0.15 *	-	<0.050	-
Methyl Ethyl Ketone	ug/g	0.5	16	-	<1.5 *	-	<0.50	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	-	<1.5 *	-	<0.50	-
MTBE	ug/g	0.05	0.75	-	<0.15 *	-	<0.050	-
Styrene	ug/g	0.05	0.7	-	<0.15 *	-	<0.050	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	-	<0.15 *	-	<0.050	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-
Tetrachloroethylene	ug/g	0.05	0.28	-	<0.15 *	-	<0.050	-
Toluene	ug/g	0.08	2.3	-	<0.24 *	-	<0.080	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	-	<0.15 *	-	<0.050	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	-	<0.15 *	-	<0.050	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH201-SS1	BH201-SS8	BH201-SS12	BH201-SS13	BH202-SS1
8/3/2017		ALS ID		L1914068-1	L1914068-2	L1914068-3	L1914068-4	L1914068-5
Multiple Work Orders		Date Sampled		4/10/2017 9:00:00 AM	4/10/2017 10:00:00 AM	4/10/2017 10:30:00 AM	4/10/2017 10:45:00 AM	4/10/2017 1:00:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	-	0.065 *	-	<0.010	-
Trichlorofluoromethane	ug/g	0.05	4	-	<0.15 *	-	<0.050	-
Vinyl chloride	ug/g	0.02	0.02	-	<0.060 *	-	<0.020	-
o-Xylene	ug/g	0.02	-	-	<0.060 *	-	<0.020	-
m+p-Xylenes	ug/g	0.03	-	-	<0.090 *	-	<0.030	-
Xylenes (Total)	ug/g	0.05	3.1	-	<0.11	-	<0.050	-
4-Bromofluorobenzene	%	Surrogate	-	-	86	-	94.8	-
1,4-Difluorobenzene	%	Surrogate	-	-	89	-	97.8	-
F1 (C6-C10)	ug/g	5	55	-	<15 *	-	<5.0	-
F1-BTEX	ug/g	5	55	-	<15	-	<5.0	-
F2 (C10-C16)	ug/g	10	98	-	<30 *	-	<10	-
F2-Naphth	ug/g	10	-	-	<30	-	<10	-
F3 (C16-C34)	ug/g	50	300	-	<150 *	-	<50	-
F3-PAH	ug/g	50	-	-	<150	-	<50	-
F4 (C34-C50)	ug/g	50	2800	-	<150 *	-	<50	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	-	<210	-	<72	-
Chrom. to baseline at nC50		n/a	-	-	YES	-	YES	-
2-Bromobenzotrifluoride	%	Surrogate	-	-	90.9	-	91.6	-
3,4-Dichlorotoluene	%	Surrogate	-	-	82.8	-	100.2	-
Acenaphthene	ug/g	0.05	7.9	-	<0.15 *	-	<0.050	<0.050
Acenaphthylene	ug/g	0.05	0.15	-	<0.15 *	-	<0.050	<0.050
Anthracene	ug/g	0.05	0.67	-	<0.15 *	-	<0.050	<0.050
Benzo(a)anthracene	ug/g	0.05	0.5	-	<0.15 *	-	<0.050	<0.050
Benzo(a)pyrene	ug/g	0.05	0.3	-	<0.15 *	-	<0.050	<0.050
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	<0.15 *	-	<0.050	<0.050
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	<0.15 *	-	<0.050	<0.050
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	<0.15 *	-	<0.050	<0.050
Chrysene	ug/g	0.05	7	-	<0.15 *	-	<0.050	<0.050
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	<0.15 *	-	<0.050	<0.050
Fluoranthene	ug/g	0.05	0.69	-	<0.15 *	-	<0.050	0.05
Fluorene	ug/g	0.05	62	-	<0.15 *	-	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	<0.15 *	-	<0.050	<0.050
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	<0.13	-	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.03	0.99	-	<0.090 *	-	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.03	0.99	-	<0.090 *	-	<0.030	<0.030
Naphthalene	ug/g	0.05	0.6	-	<0.15 *	-	<0.050	<0.050
Phenanthrene	ug/g	0.05	6.2	-	<0.15 *	-	<0.050	<0.050
Pyrene	ug/g	0.05	78	-	<0.15 *	-	<0.050	<0.050
2-Fluorobiphenyl	%	Surrogate	-	-	98.7	-	96.9	99.7
p-Terphenyl d14	%	Surrogate	-	-	93.9	-	92.5	97.1

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH202-SS2	BH202-SS9	BH202-SS12	BH202-SS13	BH203-SS3
8/3/2017		ALS ID		L1914068-6	L1914068-7	L1914068-8	L1914068-9	L1914068-10
Multiple Work Orders		Date Sampled		4/10/2017 1:00:00 PM	4/10/2017 2:00:00 PM	4/11/2017 8:00:00 AM	4/11/2017 8:00:00 AM	4/11/2017 9:30:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	0.144	-	0.148	-	0.114
% Moisture	%	0.1	-	9.06	80.9	17.2	18.6	14.4
pH	pH units	0.1	-	7.65	-	7.83	-	7.58
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	<0.050	-	<0.050	-	<0.050
SAR	SAR	0.1	5	0.66 *	-	2.36 *	-	0.20 *
Calcium (Ca)	mg/L	1	-	8.3	-	2.4	-	7
Magnesium (Mg)	mg/L	1	-	<1.0	-	<1.0	-	<1.0
Sodium (Na)	mg/L	1	-	6.9	-	13.1	-	1.9
Antimony (Sb)	ug/g	1	7.5	<1.0	-	<1.0	-	<1.0
Arsenic (As)	ug/g	1	18	1.5	-	<1.0	-	1.3
Barium (Ba)	ug/g	1	390	81.4	-	9.5	-	35.3
Beryllium (Be)	ug/g	0.5	4	<0.50	-	<0.50	-	<0.50
Boron (B)	ug/g	5	120	7.6	-	<5.0	-	<5.0
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	<0.10	-	<0.10	-	<0.10
Cadmium (Cd)	ug/g	0.5	1.2	<0.50	-	<0.50	-	<0.50
Chromium (Cr)	ug/g	1	160	18.6	-	6.8	-	10.8
Cobalt (Co)	ug/g	1	22	6.1	-	1.6	-	3.3
Copper (Cu)	ug/g	1	140	11.7	-	1.6	-	6.3
Lead (Pb)	ug/g	1	120	4.3	-	<1.0	-	13.5
Mercury (Hg)	ug/g	0.005	0.27	0.0147	-	<0.0050	-	0.0352
Molybdenum (Mo)	ug/g	1	6.9	<1.0	-	<1.0	-	<1.0
Nickel (Ni)	ug/g	1	100	11.3	-	2.8	-	5.6
Selenium (Se)	ug/g	1	2.4	<1.0	-	<1.0	-	<1.0
Silver (Ag)	ug/g	0.2	20	<0.20	-	<0.20	-	<0.20
Thallium (Tl)	ug/g	0.5	1	<0.50	-	<0.50	-	<0.50
Uranium (U)	ug/g	1	23	<1.0	-	<1.0	-	<1.0
Vanadium (V)	ug/g	1	86	36.4	-	20.7	-	27
Zinc (Zn)	ug/g	5	340	32	-	7	-	25.8
Chromium, Hexavalent	ug/g	0.2	8	0.32	-	<0.20	-	0.25
Acetone	ug/g	0.5	16	-	8.3 *	-	<0.50	-
Benzene	ug/g	0.0068	0.21	-	<0.034 *	-	<0.0068	-
Bromodichloromethane	ug/g	0.05	1.5	-	<0.25 *	-	<0.050	-
Bromoform	ug/g	0.05	0.27	-	<0.25 *	-	<0.050	-
Bromomethane	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
Carbon tetrachloride	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
Chlorobenzene	ug/g	0.05	2.4	-	<0.25 *	-	<0.050	-
Dibromochloromethane	ug/g	0.05	2.3	-	<0.25 *	-	<0.050	-
Chloroform	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
1,2-Dibromoethane	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	-	<0.25 *	-	<0.050	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	-	<0.25 *	-	<0.050	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	-	<0.25 *	-	<0.050	-
Dichlorodifluoromethane	ug/g	0.05	16	-	<0.25 *	-	<0.050	-
1,1-Dichloroethane	ug/g	0.05	0.47	-	<0.25 *	-	<0.050	-
1,2-Dichloroethane	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
1,1-Dichloroethylene	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	-	<0.25 *	-	<0.050	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	-	<0.25 *	-	<0.050	-
Methylene Chloride	ug/g	0.05	0.1	-	<0.25 *	-	<0.050	-
1,2-Dichloropropane	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
cis-1,3-Dichloropropene	ug/g	0.03	-	-	<0.15 *	-	<0.030	-
trans-1,3-Dichloropropene	ug/g	0.03	-	-	<0.15 *	-	<0.030	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	-	<0.21	-	<0.042	-
Ethylbenzene	ug/g	0.018	1.1	-	<0.090 *	-	<0.018	-
n-Hexane	ug/g	0.05	2.8	-	<0.25 *	-	<0.050	-
Methyl Ethyl Ketone	ug/g	0.5	16	-	<3.0 *	-	<0.50	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	-	<2.5 *	-	<0.50	-
MTBE	ug/g	0.05	0.75	-	<0.25 *	-	<0.050	-
Styrene	ug/g	0.05	0.7	-	<0.25 *	-	<0.050	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	-	<0.25 *	-	<0.050	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-
Tetrachloroethylene	ug/g	0.05	0.28	-	<0.25 *	-	<0.050	-
Toluene	ug/g	0.08	2.3	-	<0.40 *	-	<0.080	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	-	<0.25 *	-	<0.050	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	-	<0.25 *	-	<0.050	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH202-SS2	BH202-SS9	BH202-SS12	BH202-SS13	BH203-SS3
8/3/2017		ALS ID		L1914068-6	L1914068-7	L1914068-8	L1914068-9	L1914068-10
Multiple Work Orders		Date Sampled		4/10/2017 1:00:00 PM	4/10/2017 2:00:00 PM	4/11/2017 8:00:00 AM	4/11/2017 8:00:00 AM	4/11/2017 9:30:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	-	<0.050 *	-	<0.010	-
Trichlorofluoromethane	ug/g	0.05	4	-	<0.25 *	-	<0.050	-
Vinyl chloride	ug/g	0.02	0.02	-	<0.10 *	-	<0.020	-
o-Xylene	ug/g	0.02	-	-	<0.10 *	-	<0.020	-
m+p-Xylenes	ug/g	0.03	-	-	<0.15 *	-	<0.030	-
Xylenes (Total)	ug/g	0.05	3.1	-	<0.18	-	<0.050	-
4-Bromofluorobenzene	%	Surrogate	-	-	79.7	-	93	-
1,4-Difluorobenzene	%	Surrogate	-	-	84	-	94.6	-
F1 (C6-C10)	ug/g	5	55	-	<25 *	-	<5.0	-
F1-BTEX	ug/g	5	55	-	<25	-	<5.0	-
F2 (C10-C16)	ug/g	10	98	-	<50 *	-	<10	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	-	<250 *	-	<50	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	-	<250 *	-	<50	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	-	<360	-	<72	-
Chrom. to baseline at nC50		n/a	-	-	YES	-	YES	-
2-Bromobenzotrifluoride	%	Surrogate	-	-	96.9	-	92.9	-
3,4-Dichlorotoluene	%	Surrogate	-	-	76.3	-	95.3	-
Acenaphthene	ug/g	0.05	7.9	-	-	<0.050	-	-
Acenaphthylene	ug/g	0.05	0.15	-	-	<0.050	-	-
Anthracene	ug/g	0.05	0.67	-	-	<0.050	-	-
Benzo(a)anthracene	ug/g	0.05	0.5	-	-	<0.050	-	-
Benzo(a)pyrene	ug/g	0.05	0.3	-	-	<0.050	-	-
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	-	-
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	-	<0.050	-	-
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	-	-
Chrysene	ug/g	0.05	7	-	-	<0.050	-	-
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	-	<0.050	-	-
Fluoranthene	ug/g	0.05	0.69	-	-	<0.050	-	-
Fluorene	ug/g	0.05	62	-	-	<0.050	-	-
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	-	<0.050	-	-
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	-	<0.042	-	-
1-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	-	-
2-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	-	-
Naphthalene	ug/g	0.05	0.6	-	-	<0.050	-	-
Phenanthrene	ug/g	0.05	6.2	-	-	<0.050	-	-
Pyrene	ug/g	0.05	78	-	-	<0.050	-	-
2-Fluorobiphenyl	%	Surrogate	-	-	-	99	-	-
p-Terphenyl d14	%	Surrogate	-	-	-	94.1	-	-

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH203-SS5	BH203-SS6	BH203-SS12	BH203-SS13	BH204-SS2
8/3/2017		ALS ID		L1914068-11	L1914068-12	L1914068-13	L1914068-14	L1914068-15
Multiple Work Orders		Date Sampled		4/11/2017 9:30:00 AM	4/11/2017 9:45:00 AM	4/11/2017 11:00:00 AM	4/11/2017 11:00:00 AM	4/11/2017 12:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	-	0.155	-	-
% Moisture	%	0.1	-	37.1	59.1	18.1	18.5	7.24
pH	pH units	0.1	-	-	-	7.88	-	-
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	-	<0.050	-	-
SAR	SAR	0.1	5	-	-	1.72 *	-	-
Calcium (Ca)	mg/L	1	-	-	-	3.1	-	-
Magnesium (Mg)	mg/L	1	-	-	-	<1.0	-	-
Sodium (Na)	mg/L	1	-	-	-	10.9	-	-
Antimony (Sb)	ug/g	1	7.5	-	-	<1.0	-	-
Arsenic (As)	ug/g	1	18	-	-	<1.0	-	-
Barium (Ba)	ug/g	1	390	-	-	9.8	-	-
Beryllium (Be)	ug/g	0.5	4	-	-	<0.50	-	-
Boron (B)	ug/g	5	120	-	-	<5.0	-	-
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	-	<0.10	-	-
Cadmium (Cd)	ug/g	0.5	1.2	-	-	<0.50	-	-
Chromium (Cr)	ug/g	1	160	-	-	7	-	-
Cobalt (Co)	ug/g	1	22	-	-	1.6	-	-
Copper (Cu)	ug/g	1	140	-	-	1.6	-	-
Lead (Pb)	ug/g	1	120	-	-	<1.0	-	-
Mercury (Hg)	ug/g	0.005	0.27	-	-	<0.0050	-	-
Molybdenum (Mo)	ug/g	1	6.9	-	-	<1.0	-	-
Nickel (Ni)	ug/g	1	100	-	-	2.6	-	-
Selenium (Se)	ug/g	1	2.4	-	-	<1.0	-	-
Silver (Ag)	ug/g	0.2	20	-	-	<0.20	-	-
Thallium (Tl)	ug/g	0.5	1	-	-	<0.50	-	-
Uranium (U)	ug/g	1	23	-	-	<1.0	-	-
Vanadium (V)	ug/g	1	86	-	-	21.1	-	-
Zinc (Zn)	ug/g	5	340	-	-	6.4	-	-
Chromium, Hexavalent	ug/g	0.2	8	-	-	<0.20	-	-
Acetone	ug/g	0.5	16	-	3.5 *	-	<0.50	-
Benzene	ug/g	0.0068	0.21	-	<0.014 *	-	<0.0068	-
Bromodichloromethane	ug/g	0.05	1.5	-	<0.10 *	-	<0.050	-
Bromoform	ug/g	0.05	0.27	-	<0.10 *	-	<0.050	-
Bromomethane	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
Carbon tetrachloride	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
Chlorobenzene	ug/g	0.05	2.4	-	<0.10 *	-	<0.050	-
Dibromochloromethane	ug/g	0.05	2.3	-	<0.10 *	-	<0.050	-
Chloroform	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
1,2-Dibromoethane	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	-	<0.10 *	-	<0.050	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	-	<0.10 *	-	<0.050	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	-	<0.10 *	-	<0.050	-
Dichlorodifluoromethane	ug/g	0.05	16	-	<0.10 *	-	<0.050	-
1,1-Dichloroethane	ug/g	0.05	0.47	-	<0.10 *	-	<0.050	-
1,2-Dichloroethane	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
1,1-Dichloroethylene	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	-	<0.10 *	-	<0.050	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	-	<0.10 *	-	<0.050	-
Methylene Chloride	ug/g	0.05	0.1	-	<0.10 *	-	<0.050	-
1,2-Dichloropropane	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
cis-1,3-Dichloropropene	ug/g	0.03	-	-	<0.060 *	-	<0.030	-
trans-1,3-Dichloropropene	ug/g	0.03	-	-	<0.060 *	-	<0.030	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	-	<0.085	-	<0.042	-
Ethylbenzene	ug/g	0.018	1.1	-	<0.036 *	-	<0.018	-
n-Hexane	ug/g	0.05	2.8	-	<0.10 *	-	<0.050	-
Methyl Ethyl Ketone	ug/g	0.5	16	-	1.1 *	-	<0.50	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	-	<1.0 *	-	<0.50	-
MTBE	ug/g	0.05	0.75	-	<0.10 *	-	<0.050	-
Styrene	ug/g	0.05	0.7	-	<0.10 *	-	<0.050	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	-	<0.10 *	-	<0.050	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-
Tetrachloroethylene	ug/g	0.05	0.28	-	<0.10 *	-	<0.050	-
Toluene	ug/g	0.08	2.3	-	0.21 *	-	<0.080	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	-	<0.10 *	-	<0.050	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	-	<0.10 *	-	<0.050	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH203-SS5	BH203-SS6	BH203-SS12	BH203-SS13	BH204-SS2
8/3/2017		ALS ID		L1914068-11	L1914068-12	L1914068-13	L1914068-14	L1914068-15
Multiple Work Orders		Date Sampled		4/11/2017 9:30:00 AM	4/11/2017 9:45:00 AM	4/11/2017 11:00:00 AM	4/11/2017 11:00:00 AM	4/11/2017 12:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	-	<0.020 *	-	<0.010	-
Trichlorofluoromethane	ug/g	0.05	4	-	<0.10 *	-	<0.050	-
Vinyl chloride	ug/g	0.02	0.02	-	<0.040 *	-	<0.020	-
o-Xylene	ug/g	0.02	-	-	<0.040 *	-	<0.020	-
m+p-Xylenes	ug/g	0.03	-	-	<0.060 *	-	<0.030	-
Xylenes (Total)	ug/g	0.05	3.1	-	<0.072	-	<0.050	-
4-Bromofluorobenzene	%	Surrogate	-	-	75.1	-	93	-
1,4-Difluorobenzene	%	Surrogate	-	-	79.1	-	95	-
F1 (C6-C10)	ug/g	5	55	-	<10 *	-	<5.0	-
F1-BTEX	ug/g	5	55	-	<10	-	<5.0	-
F2 (C10-C16)	ug/g	10	98	-	<15 *	-	<10	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	-	756 *	-	<50	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	-	164 *	-	<50	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	1150	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	-	920	-	<72	-
Chrom. to baseline at nC50		n/a	-	-	NO	-	YES	-
2-Bromobenzotrifluoride	%	Surrogate	-	-	95.2	-	91	-
3,4-Dichlorotoluene	%	Surrogate	-	-	73.1	-	105.4	-
Acenaphthene	ug/g	0.05	7.9	<0.050	-	<0.050	-	<0.10 *
Acenaphthylene	ug/g	0.05	0.15	<0.050	-	<0.050	-	<0.10 *
Anthracene	ug/g	0.05	0.67	<0.050	-	<0.050	-	<0.10 *
Benzo(a)anthracene	ug/g	0.05	0.5	0.05	-	<0.050	-	<0.10 *
Benzo(a)pyrene	ug/g	0.05	0.3	<0.050	-	<0.050	-	0.10 *
Benzo(b)fluoranthene	ug/g	0.05	0.78	0.052	-	<0.050	-	0.13 *
Benzo(g,h,i)perylene	ug/g	0.05	6.6	<0.050	-	<0.050	-	0.15 *
Benzo(k)fluoranthene	ug/g	0.05	0.78	<0.050	-	<0.050	-	<0.10 *
Chrysene	ug/g	0.05	7	0.068	-	<0.050	-	0.12 *
Dibenzo(ah)anthracene	ug/g	0.05	0.1	<0.050	-	<0.050	-	<0.10 *
Fluoranthene	ug/g	0.05	0.69	0.071	-	<0.050	-	<0.10 *
Fluorene	ug/g	0.05	62	<0.050	-	<0.050	-	<0.10 *
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	<0.050	-	<0.050	-	<0.10 *
1+2-Methylnaphthalenes	ug/g	0.042	0.99	0.652	-	<0.042	-	<0.085
1-Methylnaphthalene	ug/g	0.03	0.99	0.324	-	<0.030	-	<0.060 *
2-Methylnaphthalene	ug/g	0.03	0.99	0.328	-	<0.030	-	<0.060 *
Naphthalene	ug/g	0.05	0.6	0.168	-	<0.050	-	<0.10 *
Phenanthrene	ug/g	0.05	6.2	0.249	-	<0.050	-	<0.10 *
Pyrene	ug/g	0.05	78	0.074	-	<0.050	-	<0.10 *
2-Fluorobiphenyl	%	Surrogate	-	97.2	-	100.7	-	92.5
p-Terphenyl d14	%	Surrogate	-	89	-	95	-	87.9

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH204-SS4	BH204-SS5	BH204-SS12	BH205-SS1	BH205-SS2
8/3/2017		ALS ID		L1914068-16	L1914068-17	L1914068-18	L1914068-19	L1914068-20
Multiple Work Orders		Date Sampled		4/11/2017 12:30:00 PM	4/11/2017 12:30:00 PM	4/11/2017 1:45:00 PM	4/11/2017 2:30:00 PM	4/11/2017 2:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	0.235	-	0.276	0.138	-
% Moisture	%	0.1	-	5.58	21.8	14.6	10.2	4.71
pH	pH units	0.1	-	7.81	-	7.93	7.51	-
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	<0.050	-	<0.050	<0.050	-
SAR	SAR	0.1	5	0.33	-	3.52 *	<0.10 *	-
Calcium (Ca)	mg/L	1	-	19.4	-	6.6	10.5	-
Magnesium (Mg)	mg/L	1	-	2.6	-	<1.0	<1.0	-
Sodium (Na)	mg/L	1	-	5.8	-	32.9	1.1	-
Antimony (Sb)	ug/g	1	7.5	<1.0	-	<1.0	<1.0	-
Arsenic (As)	ug/g	1	18	2.2	-	<1.0	1.4	-
Barium (Ba)	ug/g	1	390	62.4	-	8.5	73.3	-
Beryllium (Be)	ug/g	0.5	4	<0.50	-	<0.50	<0.50	-
Boron (B)	ug/g	5	120	6.2	-	<5.0	6.2	-
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	0.5	-	<0.10	0.1	-
Cadmium (Cd)	ug/g	0.5	1.2	<0.50	-	<0.50	<0.50	-
Chromium (Cr)	ug/g	1	160	110	-	5.2	17.7	-
Cobalt (Co)	ug/g	1	22	1.9	-	1.2	5.6	-
Copper (Cu)	ug/g	1	140	12.6	-	1.5	10.3	-
Lead (Pb)	ug/g	1	120	25	-	<1.0	5.2	-
Mercury (Hg)	ug/g	0.005	0.27	0.0557	-	<0.0050	0.0161	-
Molybdenum (Mo)	ug/g	1	6.9	<1.0	-	<1.0	<1.0	-
Nickel (Ni)	ug/g	1	100	4.1	-	2.3	10.1	-
Selenium (Se)	ug/g	1	2.4	<1.0	-	<1.0	<1.0	-
Silver (Ag)	ug/g	0.2	20	<0.20	-	<0.20	<0.20	-
Thallium (Tl)	ug/g	0.5	1	<0.50	-	<0.50	<0.50	-
Uranium (U)	ug/g	1	23	<1.0	-	<1.0	<1.0	-
Vanadium (V)	ug/g	1	86	17.5	-	14.8	35.4	-
Zinc (Zn)	ug/g	5	340	97.7	-	7	32	-
Chromium, Hexavalent	ug/g	0.2	8	2.28	-	<0.20	0.4	-
Acetone	ug/g	0.5	16	-	<0.50	<0.50	-	-
Benzene	ug/g	0.0068	0.21	-	<0.0068	<0.0068	-	-
Bromodichloromethane	ug/g	0.05	1.5	-	<0.050	<0.050	-	-
Bromoform	ug/g	0.05	0.27	-	<0.050	<0.050	-	-
Bromomethane	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
Carbon tetrachloride	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
Chlorobenzene	ug/g	0.05	2.4	-	<0.050	<0.050	-	-
Dibromochloromethane	ug/g	0.05	2.3	-	<0.050	<0.050	-	-
Chloroform	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	-	<0.050	<0.050	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	-	<0.050	<0.050	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	-	<0.050	<0.050	-	-
Dichlorodifluoromethane	ug/g	0.05	16	-	<0.050	<0.050	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	-	<0.050	<0.050	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	-	<0.050	<0.050	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	-	<0.050	<0.050	-	-
Methylene Chloride	ug/g	0.05	0.1	-	<0.050	<0.050	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	-	<0.030	<0.030	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	-	<0.030	<0.030	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	-	<0.042	<0.042	-	-
Ethylbenzene	ug/g	0.018	1.1	-	<0.018	<0.018	-	-
n-Hexane	ug/g	0.05	2.8	-	<0.050	<0.050	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	-	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	-	<0.50	<0.50	-	-
MTBE	ug/g	0.05	0.75	-	<0.050	<0.050	-	-
Styrene	ug/g	0.05	0.7	-	<0.050	<0.050	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	-	<0.050	<0.050	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	-	-
Tetrachloroethylene	ug/g	0.05	0.28	-	<0.050	<0.050	-	-
Toluene	ug/g	0.08	2.3	-	<0.080	<0.080	-	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	-	<0.050	<0.050	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	-	<0.050	<0.050	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH204-SS4	BH204-SS5	BH204-SS12	BH205-SS1	BH205-SS2
8/3/2017		ALS ID		L1914068-16	L1914068-17	L1914068-18	L1914068-19	L1914068-20
Multiple Work Orders		Date Sampled		4/11/2017 12:30:00 PM	4/11/2017 12:30:00 PM	4/11/2017 1:45:00 PM	4/11/2017 2:30:00 PM	4/11/2017 2:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	-	<0.010	<0.010	-	-
Trichlorofluoromethane	ug/g	0.05	4	-	<0.050	<0.050	-	-
Vinyl chloride	ug/g	0.02	0.02	-	<0.020	<0.020	-	-
o-Xylene	ug/g	0.02	-	-	<0.020	<0.020	-	-
m+p-Xylenes	ug/g	0.03	-	-	<0.030	<0.030	-	-
Xylenes (Total)	ug/g	0.05	3.1	-	<0.050	<0.050	-	-
4-Bromofluorobenzene	%	Surrogate	-	-	94.3	93.3	-	-
1,4-Difluorobenzene	%	Surrogate	-	-	96.9	97.3	-	-
F1 (C6-C10)	ug/g	5	55	-	<5.0	<5.0	-	-
F1-BTEX	ug/g	5	55	-	<5.0	<5.0	-	-
F2 (C10-C16)	ug/g	10	98	-	<10	<10	-	-
F2-Naphth	ug/g	10	-	-	-	<10	-	-
F3 (C16-C34)	ug/g	50	300	-	80	<50	-	-
F3-PAH	ug/g	50	-	-	-	<50	-	-
F4 (C34-C50)	ug/g	50	2800	-	274	<50	-	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	1210	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	-	354	<72	-	-
Chrom. to baseline at nC50		n/a	-	-	NO	YES	-	-
2-Bromobenzotrifluoride	%	Surrogate	-	-	90.5	92.5	-	-
3,4-Dichlorotoluene	%	Surrogate	-	-	94.9	102.2	-	-
Acenaphthene	ug/g	0.05	7.9	-	-	<0.050	-	0.339
Acenaphthylene	ug/g	0.05	0.15	-	-	<0.050	-	<0.050
Anthracene	ug/g	0.05	0.67	-	-	<0.050	-	0.592
Benzo(a)anthracene	ug/g	0.05	0.5	-	-	<0.050	-	**0.974**
Benzo(a)pyrene	ug/g	0.05	0.3	-	-	<0.050	-	**0.842**
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	-	**1.14**
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	-	<0.050	-	0.503
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	-	0.398
Chrysene	ug/g	0.05	7	-	-	<0.050	-	1.07
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	-	<0.050	-	**0.143**
Fluoranthene	ug/g	0.05	0.69	-	-	<0.050	-	**2.7**
Fluorene	ug/g	0.05	62	-	-	<0.050	-	0.468
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	-	<0.050	-	**0.54**
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	-	<0.042	-	0.204
1-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	-	0.089
2-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	-	0.116
Naphthalene	ug/g	0.05	0.6	-	-	<0.050	-	0.284
Phenanthrene	ug/g	0.05	6.2	-	-	<0.050	-	2.94
Pyrene	ug/g	0.05	78	-	-	<0.050	-	1.99
2-Fluorobiphenyl	%	Surrogate	-	-	-	99.5	-	81.5
p-Terphenyl d14	%	Surrogate	-	-	-	95.1	-	77.3

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH205-SS4	BH205-SS12	BH205-SS13	BH206-SS1	BH206-SS2
8/3/2017		ALS ID		L1914068-21	L1914068-22	L1914068-23	L1914068-24	L1914068-25
Multiple Work Orders		Date Sampled		4/11/2017 2:30:00 PM	4/12/2017 8:00:00 AM	4/12/2017 8:00:00 AM	4/12/2017 9:00:00 AM	4/12/2017 9:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	-	0.169	-	0.223
% Moisture	%	0.1	-	16	19.8	17.5	20.3	24.2
pH	pH units	0.1	-	-	-	7.96	-	7.61
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	-	<0.050	-	<0.050
SAR	SAR	0.1	5	-	-	2.78 *	-	1.27 *
Calcium (Ca)	mg/L	1	-	-	-	2.8	-	12.1
Magnesium (Mg)	mg/L	1	-	-	-	<1.0	-	<1.0
Sodium (Na)	mg/L	1	-	-	-	16.9	-	16.1
Antimony (Sb)	ug/g	1	7.5	-	-	<1.0	-	2.3
Arsenic (As)	ug/g	1	18	-	-	<1.0	-	15
Barium (Ba)	ug/g	1	390	-	-	10.2	-	1310
Beryllium (Be)	ug/g	0.5	4	-	-	<0.50	-	0.98
Boron (B)	ug/g	5	120	-	-	<5.0	-	23.3
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	-	<0.10	-	0.36
Cadmium (Cd)	ug/g	0.5	1.2	-	-	<0.50	-	<0.50
Chromium (Cr)	ug/g	1	160	-	-	5.2	-	173
Cobalt (Co)	ug/g	1	22	-	-	1.4	-	5.7
Copper (Cu)	ug/g	1	140	-	-	1.9	-	54.1
Lead (Pb)	ug/g	1	120	-	-	<1.0	-	63.6
Mercury (Hg)	ug/g	0.005	0.27	-	-	<0.0050	-	0.0694
Molybdenum (Mo)	ug/g	1	6.9	-	-	<1.0	-	3.5
Nickel (Ni)	ug/g	1	100	-	-	2.6	-	14.9
Selenium (Se)	ug/g	1	2.4	-	-	<1.0	-	<1.0
Silver (Ag)	ug/g	0.2	20	-	-	<0.20	-	<0.20
Thallium (Tl)	ug/g	0.5	1	-	-	<0.50	-	<0.50
Uranium (U)	ug/g	1	23	-	-	<1.0	-	<1.0
Vanadium (V)	ug/g	1	86	-	-	13.2	-	21.9
Zinc (Zn)	ug/g	5	340	-	-	6.6	-	236
Chromium, Hexavalent	ug/g	0.2	8	-	-	<0.20	-	1.59
Acetone	ug/g	0.5	16	<0.50	<0.50	-	-	-
Benzene	ug/g	0.0068	0.21	<0.0068	<0.0068	-	-	-
Bromodichloromethane	ug/g	0.05	1.5	<0.050	<0.050	-	-	-
Bromoform	ug/g	0.05	0.27	<0.050	<0.050	-	-	-
Bromomethane	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
Carbon tetrachloride	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
Chlorobenzene	ug/g	0.05	2.4	<0.050	<0.050	-	-	-
Dibromochloromethane	ug/g	0.05	2.3	<0.050	<0.050	-	-	-
Chloroform	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.050	<0.050	-	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.050	<0.050	-	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.050	<0.050	-	-	-
Dichlorodifluoromethane	ug/g	0.05	16	<0.050	<0.050	-	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	<0.050	<0.050	-	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.050	<0.050	-	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.050	<0.050	-	-	-
Methylene Chloride	ug/g	0.05	0.1	<0.050	<0.050	-	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.030	<0.030	-	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.030	<0.030	-	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.042	<0.042	-	-	-
Ethylbenzene	ug/g	0.018	1.1	<0.018	<0.018	-	-	-
n-Hexane	ug/g	0.05	2.8	<0.050	<0.050	-	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	<0.50	<0.50	-	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<0.50	<0.50	-	-	-
MTBE	ug/g	0.05	0.75	<0.050	<0.050	-	-	-
Styrene	ug/g	0.05	0.7	<0.050	<0.050	-	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.050	<0.050	-	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.050	<0.050	-	-	-
Tetrachloroethylene	ug/g	0.05	0.28	<0.050	<0.050	-	-	-
Toluene	ug/g	0.08	2.3	<0.080	<0.080	-	-	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.050	<0.050	-	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.050	<0.050	-	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH205-SS4	BH205-SS12	BH205-SS13	BH206-SS1	BH206-SS2
8/3/2017		ALS ID		L1914068-21	L1914068-22	L1914068-23	L1914068-24	L1914068-25
Multiple Work Orders		Date Sampled		4/11/2017 2:30:00 PM	4/12/2017 8:00:00 AM	4/12/2017 8:00:00 AM	4/12/2017 9:00:00 AM	4/12/2017 9:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.010	<0.010	-	-	-
Trichlorofluoromethane	ug/g	0.05	4	<0.050	<0.050	-	-	-
Vinyl chloride	ug/g	0.02	0.02	<0.020	<0.020	-	-	-
o-Xylene	ug/g	0.02	-	<0.020	<0.020	-	-	-
m+p-Xylenes	ug/g	0.03	-	<0.030	<0.030	-	-	-
Xylenes (Total)	ug/g	0.05	3.1	<0.050	<0.050	-	-	-
4-Bromofluorobenzene	%	Surrogate	-	90.2	95.7	-	-	-
1,4-Difluorobenzene	%	Surrogate	-	94.1	98.1	-	-	-
F1 (C6-C10)	ug/g	5	55	<5.0	<5.0	-	-	-
F1-BTEX	ug/g	5	55	<5.0	<5.0	-	-	-
F2 (C10-C16)	ug/g	10	98	<10	<10	-	-	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	<50	<50	-	-	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	<50	<50	-	-	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	<72	<72	-	-	-
Chrom. to baseline at nC50		n/a	-	YES	YES	-	-	-
2-Bromobenzotrifluoride	%	Surrogate	-	88.8	94.4	-	-	-
3,4-Dichlorotoluene	%	Surrogate	-	94	98.6	-	-	-
Acenaphthene	ug/g	0.05	7.9	-	-	<0.050	<0.050	-
Acenaphthylene	ug/g	0.05	0.15	-	-	<0.050	<0.050	-
Anthracene	ug/g	0.05	0.67	-	-	<0.050	<0.050	-
Benzo(a)anthracene	ug/g	0.05	0.5	-	-	<0.050	0.067	-
Benzo(a)pyrene	ug/g	0.05	0.3	-	-	<0.050	<0.050	-
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	0.089	-
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	-	<0.050	0.054	-
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	<0.050	-
Chrysene	ug/g	0.05	7	-	-	<0.050	0.114	-
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	-	<0.050	<0.050	-
Fluoranthene	ug/g	0.05	0.69	-	-	<0.050	0.074	-
Fluorene	ug/g	0.05	62	-	-	<0.050	<0.050	-
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	-	<0.050	<0.050	-
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	-	<0.042	**1.16**	-
1-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	0.556	-
2-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	0.608	-
Naphthalene	ug/g	0.05	0.6	-	-	<0.050	0.354	-
Phenanthrene	ug/g	0.05	6.2	-	-	<0.050	0.371	-
Pyrene	ug/g	0.05	78	-	-	<0.050	0.08	-
2-Fluorobiphenyl	%	Surrogate	-	-	-	101.1	100	-
p-Terphenyl d14	%	Surrogate	-	-	-	95.8	88.3	-

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH206-SS3	BH206-SS12	BH206-SS13	BH207-SS1	BH207-SS2
8/3/2017		ALS ID		L1914068-26	L1914068-27	L1914068-28	L1914068-29	L1914068-30
Multiple Work Orders		Date Sampled		4/12/2017 9:00:00 AM	4/12/2017 10:30:00 AM	4/12/2017 10:30:00 AM	4/12/2017 11:30:00 AM	4/12/2017 11:30:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	0.0998	-	0.117	-
% Moisture	%	0.1	-	29.8	19.2	16.9	9.72	11.2
pH	pH units	0.1	-	-	7.85	-	7.58	-
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	<0.050	-	<0.050	-
SAR	SAR	0.1	5	-	0.50 *	-	<0.10 *	-
Calcium (Ca)	mg/L	1	-	-	2.6	-	8	-
Magnesium (Mg)	mg/L	1	-	-	<1.0	-	<1.0	-
Sodium (Na)	mg/L	1	-	-	3	-	<1.0	-
Antimony (Sb)	ug/g	1	7.5	-	<1.0	-	<1.0	-
Arsenic (As)	ug/g	1	18	-	<1.0	-	1.2	-
Barium (Ba)	ug/g	1	390	-	20.1	-	42.3	-
Beryllium (Be)	ug/g	0.5	4	-	<0.50	-	<0.50	-
Boron (B)	ug/g	5	120	-	<5.0	-	<5.0	-
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	<0.10	-	<0.10	-
Cadmium (Cd)	ug/g	0.5	1.2	-	<0.50	-	<0.50	-
Chromium (Cr)	ug/g	1	160	-	7.9	-	12.9	-
Cobalt (Co)	ug/g	1	22	-	2.2	-	3.9	-
Copper (Cu)	ug/g	1	140	-	2.8	-	6	-
Lead (Pb)	ug/g	1	120	-	1.3	-	3.6	-
Mercury (Hg)	ug/g	0.005	0.27	-	<0.0050	-	0.0134	-
Molybdenum (Mo)	ug/g	1	6.9	-	<1.0	-	<1.0	-
Nickel (Ni)	ug/g	1	100	-	4.2	-	6.9	-
Selenium (Se)	ug/g	1	2.4	-	<1.0	-	<1.0	-
Silver (Ag)	ug/g	0.2	20	-	<0.20	-	<0.20	-
Thallium (Tl)	ug/g	0.5	1	-	<0.50	-	<0.50	-
Uranium (U)	ug/g	1	23	-	<1.0	-	<1.0	-
Vanadium (V)	ug/g	1	86	-	19.2	-	28.8	-
Zinc (Zn)	ug/g	5	340	-	10.2	-	20.9	-
Chromium, Hexavalent	ug/g	0.2	8	-	<0.20	-	0.34	-
Acetone	ug/g	0.5	16	0.51	-	<0.50	-	-
Benzene	ug/g	0.0068	0.21	<0.0068	-	<0.0068	-	-
Bromodichloromethane	ug/g	0.05	1.5	<0.050	-	<0.050	-	-
Bromoform	ug/g	0.05	0.27	<0.050	-	<0.050	-	-
Bromomethane	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
Carbon tetrachloride	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
Chlorobenzene	ug/g	0.05	2.4	<0.050	-	<0.050	-	-
Dibromochloromethane	ug/g	0.05	2.3	<0.050	-	<0.050	-	-
Chloroform	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.050	-	<0.050	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.050	-	<0.050	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.050	-	<0.050	-	-
Dichlorodifluoromethane	ug/g	0.05	16	<0.050	-	<0.050	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	<0.050	-	<0.050	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.050	-	<0.050	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.050	-	<0.050	-	-
Methylene Chloride	ug/g	0.05	0.1	<0.050	-	<0.050	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.030	-	<0.030	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.030	-	<0.030	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.042	-	<0.042	-	-
Ethylbenzene	ug/g	0.018	1.1	<0.018	-	<0.018	-	-
n-Hexane	ug/g	0.05	2.8	<0.050	-	<0.050	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	<0.50	-	<0.50	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<0.50	-	<0.50	-	-
MTBE	ug/g	0.05	0.75	<0.050	-	<0.050	-	-
Styrene	ug/g	0.05	0.7	<0.050	-	<0.050	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.050	-	<0.050	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.050	-	<0.050	-	-
Tetrachloroethylene	ug/g	0.05	0.28	<0.050	-	<0.050	-	-
Toluene	ug/g	0.08	2.3	0.164	-	<0.080	-	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.050	-	<0.050	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.050	-	<0.050	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH206-SS3	BH206-SS12	BH206-SS13	BH207-SS1	BH207-SS2
8/3/2017		ALS ID		L1914068-26	L1914068-27	L1914068-28	L1914068-29	L1914068-30
Multiple Work Orders		Date Sampled		4/12/2017 9:00:00 AM	4/12/2017 10:30:00 AM	4/12/2017 10:30:00 AM	4/12/2017 11:30:00 AM	4/12/2017 11:30:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.010	-	<0.010	-	-
Trichlorofluoromethane	ug/g	0.05	4	<0.050	-	<0.050	-	-
Vinyl chloride	ug/g	0.02	0.02	<0.020	-	<0.020	-	-
o-Xylene	ug/g	0.02	-	<0.020	-	<0.020	-	-
m+p-Xylenes	ug/g	0.03	-	<0.030	-	<0.030	-	-
Xylenes (Total)	ug/g	0.05	3.1	<0.050	-	<0.050	-	-
4-Bromofluorobenzene	%	Surrogate	-	87.2	-	91.6	-	-
1,4-Difluorobenzene	%	Surrogate	-	90.9	-	92.9	-	-
F1 (C6-C10)	ug/g	5	55	<5.0	-	<5.0	-	-
F1-BTEX	ug/g	5	55	<5.0	-	<5.0	-	-
F2 (C10-C16)	ug/g	10	98	<10	-	<10	-	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	53	-	<50	-	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	<50	-	<50	-	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	<72	-	<72	-	-
Chrom. to baseline at nC50		n/a	-	YES	-	YES	-	-
2-Bromobenzotrifluoride	%	Surrogate	-	94	-	93.4	-	-
3,4-Dichlorotoluene	%	Surrogate	-	94	-	100.2	-	-
Acenaphthene	ug/g	0.05	7.9	-	<0.050	-	-	<0.050
Acenaphthylene	ug/g	0.05	0.15	-	<0.050	-	-	<0.050
Anthracene	ug/g	0.05	0.67	-	<0.050	-	-	<0.050
Benzo(a)anthracene	ug/g	0.05	0.5	-	<0.050	-	-	<0.050
Benzo(a)pyrene	ug/g	0.05	0.3	-	<0.050	-	-	<0.050
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	-	<0.050
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	<0.050	-	-	<0.050
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	-	<0.050
Chrysene	ug/g	0.05	7	-	<0.050	-	-	<0.050
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	<0.050	-	-	<0.050
Fluoranthene	ug/g	0.05	0.69	-	<0.050	-	-	<0.050
Fluorene	ug/g	0.05	62	-	<0.050	-	-	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	<0.050	-	-	<0.050
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	<0.042	-	-	<0.042
1-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	-	<0.030
2-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	-	<0.030
Naphthalene	ug/g	0.05	0.6	-	<0.050	-	-	<0.050
Phenanthrene	ug/g	0.05	6.2	-	<0.050	-	-	<0.050
Pyrene	ug/g	0.05	78	-	<0.050	-	-	<0.050
2-Fluorobiphenyl	%	Surrogate	-	-	99	-	-	99.5
p-Terphenyl d14	%	Surrogate	-	-	94.3	-	-	96.9

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH207-SS4	BH207-SS12	BH207-SS13	BH208-SS2	BH208-SS4
8/3/2017		ALS ID		L1914068-31	L1914068-32	L1914068-33	L1914068-34	L1914068-35
Multiple Work Orders		Date Sampled		4/12/2017 11:30:00 AM	4/12/2017 1:00:00 PM	4/12/2017 1:00:00 PM	4/12/2017 5:30:00 PM	4/12/2017 5:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	0.173	-	0.0881	-
% Moisture	%	0.1	-	54.1	18.9	17.6	15	15.9
pH	pH units	0.1	-	-	7.84	-	7.65	-
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	<0.050	-	<0.050	-
SAR	SAR	0.1	5	-	1.26 *	-	0.18 *	-
Calcium (Ca)	mg/L	1	-	-	6.9	-	3.6	-
Magnesium (Mg)	mg/L	1	-	-	<1.0	-	<1.0	-
Sodium (Na)	mg/L	1	-	-	12	-	1.2	-
Antimony (Sb)	ug/g	1	7.5	-	<1.0	-	<1.0	-
Arsenic (As)	ug/g	1	18	-	<1.0	-	<1.0	-
Barium (Ba)	ug/g	1	390	-	10	-	16.2	-
Beryllium (Be)	ug/g	0.5	4	-	<0.50	-	<0.50	-
Boron (B)	ug/g	5	120	-	<5.0	-	<5.0	-
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	0.11	-	<0.10	-
Cadmium (Cd)	ug/g	0.5	1.2	-	<0.50	-	<0.50	-
Chromium (Cr)	ug/g	1	160	-	5.4	-	7.7	-
Cobalt (Co)	ug/g	1	22	-	1.5	-	2.2	-
Copper (Cu)	ug/g	1	140	-	1.6	-	3.7	-
Lead (Pb)	ug/g	1	120	-	<1.0	-	1.7	-
Mercury (Hg)	ug/g	0.005	0.27	-	<0.0050	-	0.0086	-
Molybdenum (Mo)	ug/g	1	6.9	-	<1.0	-	<1.0	-
Nickel (Ni)	ug/g	1	100	-	3	-	3.9	-
Selenium (Se)	ug/g	1	2.4	-	<1.0	-	<1.0	-
Silver (Ag)	ug/g	0.2	20	-	<0.20	-	<0.20	-
Thallium (Tl)	ug/g	0.5	1	-	<0.50	-	<0.50	-
Uranium (U)	ug/g	1	23	-	<1.0	-	<1.0	-
Vanadium (V)	ug/g	1	86	-	16	-	23.1	-
Zinc (Zn)	ug/g	5	340	-	6.2	-	10.3	-
Chromium, Hexavalent	ug/g	0.2	8	-	0.23	-	<0.20	-
Acetone	ug/g	0.5	16	<1.0 *	-	<0.50	-	-
Benzene	ug/g	0.0068	0.21	<0.010 *	-	<0.0068	-	-
Bromodichloromethane	ug/g	0.05	1.5	<0.075 *	-	<0.050	-	-
Bromoform	ug/g	0.05	0.27	<0.075 *	-	<0.050	-	-
Bromomethane	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
Carbon tetrachloride	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
Chlorobenzene	ug/g	0.05	2.4	<0.075 *	-	<0.050	-	-
Dibromochloromethane	ug/g	0.05	2.3	<0.075 *	-	<0.050	-	-
Chloroform	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.075 *	-	<0.050	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.075 *	-	<0.050	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.075 *	-	<0.050	-	-
Dichlorodifluoromethane	ug/g	0.05	16	<0.075 *	-	<0.050	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	<0.075 *	-	<0.050	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.075 *	-	<0.050	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.075 *	-	<0.050	-	-
Methylene Chloride	ug/g	0.05	0.1	<0.075 *	-	<0.050	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.045 *	-	<0.030	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.045 *	-	<0.030	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.064	-	<0.042	-	-
Ethylbenzene	ug/g	0.018	1.1	<0.027 *	-	<0.018	-	-
n-Hexane	ug/g	0.05	2.8	<0.075 *	-	<0.050	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	<0.75 *	-	<0.50	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<0.75 *	-	<0.50	-	-
MTBE	ug/g	0.05	0.75	<0.075 *	-	<0.050	-	-
Styrene	ug/g	0.05	0.7	<0.075 *	-	<0.050	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.075 *	-	<0.050	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-
Tetrachloroethylene	ug/g	0.05	0.28	<0.075 *	-	<0.050	-	-
Toluene	ug/g	0.08	2.3	<0.12 *	-	<0.080	-	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.075 *	-	<0.050	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.075 *	-	<0.050	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH207-SS4	BH207-SS12	BH207-SS13	BH208-SS2	BH208-SS4
8/3/2017		ALS ID		L1914068-31	L1914068-32	L1914068-33	L1914068-34	L1914068-35
Multiple Work Orders		Date Sampled		4/12/2017 11:30:00 AM	4/12/2017 1:00:00 PM	4/12/2017 1:00:00 PM	4/12/2017 5:30:00 PM	4/12/2017 5:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.015 *	-	<0.010	-	-
Trichlorofluoromethane	ug/g	0.05	4	<0.075 *	-	<0.050	-	-
Vinyl chloride	ug/g	0.02	0.02	<0.030 *	-	<0.020	-	-
o-Xylene	ug/g	0.02	-	0.075 *	-	<0.020	-	-
m+p-Xylenes	ug/g	0.03	-	0.089 *	-	<0.030	-	-
Xylenes (Total)	ug/g	0.05	3.1	0.164	-	<0.050	-	-
4-Bromofluorobenzene	%	Surrogate	-	79.6	-	88.2	-	-
1,4-Difluorobenzene	%	Surrogate	-	82.6	-	90.4	-	-
F1 (C6-C10)	ug/g	5	55	<7.5 *	-	<5.0	-	-
F1-BTEX	ug/g	5	55	<7.5	-	<5.0	-	-
F2 (C10-C16)	ug/g	10	98	<15 *	-	<10	-	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	232 *	-	<50	-	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	<75 *	-	<50	-	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	230	-	<72	-	-
Chrom. to baseline at nC50		n/a	-	YES	-	YES	-	-
2-Bromobenzotrifluoride	%	Surrogate	-	91.5	-	93.7	-	-
3,4-Dichlorotoluene	%	Surrogate	-	78.5	-	92.8	-	-
Acenaphthene	ug/g	0.05	7.9	-	<0.050	-	-	0.222
Acenaphthylene	ug/g	0.05	0.15	-	<0.050	-	-	0.07
Anthracene	ug/g	0.05	0.67	-	<0.050	-	-	0.123
Benzo(a)anthracene	ug/g	0.05	0.5	-	<0.050	-	-	0.414
Benzo(a)pyrene	ug/g	0.05	0.3	-	<0.050	-	-	**0.375**
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	-	0.662
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	<0.050	-	-	0.338
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	-	0.18
Chrysene	ug/g	0.05	7	-	<0.050	-	-	0.697
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	<0.050	-	-	0.083
Fluoranthene	ug/g	0.05	0.69	-	<0.050	-	-	**1.06**
Fluorene	ug/g	0.05	62	-	<0.050	-	-	0.4
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	<0.050	-	-	0.263
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	<0.042	-	-	**2.32**
1-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	-	0.963
2-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	-	**1.36**
Naphthalene	ug/g	0.05	0.6	-	<0.050	-	-	**0.891**
Phenanthrene	ug/g	0.05	6.2	-	<0.050	-	-	1.57
Pyrene	ug/g	0.05	78	-	<0.050	-	-	0.88
2-Fluorobiphenyl	%	Surrogate	-	-	95.7	-	-	97.3
p-Terphenyl d14	%	Surrogate	-	-	89.1	-	-	95

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH208-SS6	BH208-SS14	BH208-SS16	BH209-SS2	BH209-SS3
8/3/2017		ALS ID		L1914068-36	L1914068-37	L1914068-38	L1914068-39	L1914068-40
Multiple Work Orders		Date Sampled		4/12/2017 5:30:00 PM	4/13/2017 8:00:00 AM	4/13/2017 8:00:00 AM	4/13/2017 10:00:00 AM	4/13/2017 10:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	0.119	-	-	0.15
% Moisture	%	0.1	-	77.8	17.2	15.4	8.61	10.7
pH	pH units	0.1	-	-	7.99	-	-	7.34
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	<0.050	-	-	<0.050
SAR	SAR	0.1	5	-	0.87 *	-	-	0.30 *
Calcium (Ca)	mg/L	1	-	-	3.4	-	-	15.6
Magnesium (Mg)	mg/L	1	-	-	<1.0	-	-	<1.0
Sodium (Na)	mg/L	1	-	-	5.8	-	-	4.3
Antimony (Sb)	ug/g	1	7.5	-	<1.0	-	-	<1.0
Arsenic (As)	ug/g	1	18	-	<1.0	-	-	1.6
Barium (Ba)	ug/g	1	390	-	9.6	-	-	68.4
Beryllium (Be)	ug/g	0.5	4	-	<0.50	-	-	<0.50
Boron (B)	ug/g	5	120	-	<5.0	-	-	5.6
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	<0.10	-	-	0.14
Cadmium (Cd)	ug/g	0.5	1.2	-	<0.50	-	-	<0.50
Chromium (Cr)	ug/g	1	160	-	7	-	-	16.1
Cobalt (Co)	ug/g	1	22	-	1.3	-	-	4.7
Copper (Cu)	ug/g	1	140	-	1.8	-	-	8.3
Lead (Pb)	ug/g	1	120	-	<1.0	-	-	10.8
Mercury (Hg)	ug/g	0.005	0.27	-	<0.0050	-	-	0.0262
Molybdenum (Mo)	ug/g	1	6.9	-	<1.0	-	-	<1.0
Nickel (Ni)	ug/g	1	100	-	2.2	-	-	8.9
Selenium (Se)	ug/g	1	2.4	-	<1.0	-	-	<1.0
Silver (Ag)	ug/g	0.2	20	-	<0.20	-	-	<0.20
Thallium (Tl)	ug/g	0.5	1	-	<0.50	-	-	<0.50
Uranium (U)	ug/g	1	23	-	<1.0	-	-	<1.0
Vanadium (V)	ug/g	1	86	-	20.3	-	-	29.9
Zinc (Zn)	ug/g	5	340	-	5.4	-	-	29.9
Chromium, Hexavalent	ug/g	0.2	8	-	<0.20	-	-	<0.20
Acetone	ug/g	0.5	16	3.2 *	-	<0.50	-	-
Benzene	ug/g	0.0068	0.21	<0.020 *	-	<0.0068	-	-
Bromodichloromethane	ug/g	0.05	1.5	<0.15 *	-	<0.050	-	-
Bromoform	ug/g	0.05	0.27	<0.15 *	-	<0.050	-	-
Bromomethane	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
Carbon tetrachloride	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
Chlorobenzene	ug/g	0.05	2.4	<0.15 *	-	<0.050	-	-
Dibromochloromethane	ug/g	0.05	2.3	<0.15 *	-	<0.050	-	-
Chloroform	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.15 *	-	<0.050	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.15 *	-	<0.050	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.15 *	-	<0.050	-	-
Dichlorodifluoromethane	ug/g	0.05	16	<0.15 *	-	<0.050	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	<0.15 *	-	<0.050	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.15 *	-	<0.050	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.15 *	-	<0.050	-	-
Methylene Chloride	ug/g	0.05	0.1	<0.15 *	-	<0.050	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.090 *	-	<0.030	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.090 *	-	<0.030	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.13	-	<0.042	-	-
Ethylbenzene	ug/g	0.018	1.1	<0.054 *	-	<0.018	-	-
n-Hexane	ug/g	0.05	2.8	<0.15 *	-	<0.050	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	<1.5 *	-	<0.50	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<1.5 *	-	<0.50	-	-
MTBE	ug/g	0.05	0.75	<0.15 *	-	<0.050	-	-
Styrene	ug/g	0.05	0.7	<0.15 *	-	<0.050	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.15 *	-	<0.050	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-
Tetrachloroethylene	ug/g	0.05	0.28	<0.15 *	-	<0.050	-	-
Toluene	ug/g	0.08	2.3	<0.24 *	-	<0.080	-	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.15 *	-	<0.050	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.15 *	-	<0.050	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH208-SS6	BH208-SS14	BH208-SS16	BH209-SS2	BH209-SS3
8/3/2017		ALS ID		L1914068-36	L1914068-37	L1914068-38	L1914068-39	L1914068-40
Multiple Work Orders		Date Sampled		4/12/2017 5:30:00 PM	4/13/2017 8:00:00 AM	4/13/2017 8:00:00 AM	4/13/2017 10:00:00 AM	4/13/2017 10:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.030 *	-	<0.010	-	-
Trichlorofluoromethane	ug/g	0.05	4	<0.15 *	-	<0.050	-	-
Vinyl chloride	ug/g	0.02	0.02	<0.060 *	-	<0.020	-	-
o-Xylene	ug/g	0.02	-	<0.060 *	-	<0.020	-	-
m+p-Xylenes	ug/g	0.03	-	<0.090 *	-	<0.030	-	-
Xylenes (Total)	ug/g	0.05	3.1	<0.11	-	<0.050	-	-
4-Bromofluorobenzene	%	Surrogate	-	80.9	-	92.9	-	-
1,4-Difluorobenzene	%	Surrogate	-	86.6	-	95	-	-
F1 (C6-C10)	ug/g	5	55	<15 *	-	<5.0	-	-
F1-BTEX	ug/g	5	55	<15	-	<5.0	-	-
F2 (C10-C16)	ug/g	10	98	<30 *	-	<10	-	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	260 *	-	<50	-	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	<150 *	-	<50	-	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	260	-	<72	-	-
Chrom. to baseline at nC50		n/a	-	YES	-	YES	-	-
2-Bromobenzotrifluoride	%	Surrogate	-	93.1	-	91.8	-	-
3,4-Dichlorotoluene	%	Surrogate	-	82.3	-	101.5	-	-
Acenaphthene	ug/g	0.05	7.9	-	<0.050	-	<0.050	-
Acenaphthylene	ug/g	0.05	0.15	-	<0.050	-	<0.050	-
Anthracene	ug/g	0.05	0.67	-	<0.050	-	<0.050	-
Benzo(a)anthracene	ug/g	0.05	0.5	-	<0.050	-	<0.050	-
Benzo(a)pyrene	ug/g	0.05	0.3	-	<0.050	-	<0.050	-
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	<0.050	-
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	<0.050	-	<0.050	-
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	<0.050	-
Chrysene	ug/g	0.05	7	-	<0.050	-	<0.050	-
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	<0.050	-	<0.050	-
Fluoranthene	ug/g	0.05	0.69	-	<0.050	-	<0.050	-
Fluorene	ug/g	0.05	62	-	<0.050	-	<0.050	-
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	<0.050	-	<0.050	-
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	<0.042	-	<0.042	-
1-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	<0.030	-
2-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	<0.030	-
Naphthalene	ug/g	0.05	0.6	-	<0.050	-	<0.050	-
Phenanthrene	ug/g	0.05	6.2	-	<0.050	-	<0.050	-
Pyrene	ug/g	0.05	78	-	<0.050	-	<0.050	-
2-Fluorobiphenyl	%	Surrogate	-	-	96.3	-	95.4	-
p-Terphenyl d14	%	Surrogate	-	-	89.4	-	92.3	-

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH209-SS8	BH209-SS17	BH209-SS18	BH210-SS1	BH210-SS2
8/3/2017		ALS ID		L1914068-41	L1914068-42	L1914068-43	L1914068-44	L1914068-45
Multiple Work Orders		Date Sampled		4/13/2017 11:00:00 AM	4/13/2017 12:00:00 PM	4/13/2017 12:00:00 PM	4/13/2017 2:00:00 PM	4/13/2017 2:00:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	0.141	-	-	0.206
% Moisture	%	0.1	-	65.4	17	19.1	27.5	10.2
pH	pH units	0.1	-	-	7.85	-	-	7.44
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	<0.050	-	-	<0.050
SAR	SAR	0.1	5	-	0.55	-	-	1.01 *
Calcium (Ca)	mg/L	1	-	-	4.2	-	-	17
Magnesium (Mg)	mg/L	1	-	-	1.5	-	-	<1.0
Sodium (Na)	mg/L	1	-	-	5.2	-	-	15.1
Antimony (Sb)	ug/g	1	7.5	-	<1.0	-	-	<1.0
Arsenic (As)	ug/g	1	18	-	<1.0	-	-	1.6
Barium (Ba)	ug/g	1	390	-	30.6	-	-	77
Beryllium (Be)	ug/g	0.5	4	-	<0.50	-	-	<0.50
Boron (B)	ug/g	5	120	-	<5.0	-	-	5.8
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	0.1	-	-	0.15
Cadmium (Cd)	ug/g	0.5	1.2	-	<0.50	-	-	<0.50
Chromium (Cr)	ug/g	1	160	-	9.8	-	-	15.8
Cobalt (Co)	ug/g	1	22	-	2.8	-	-	4.8
Copper (Cu)	ug/g	1	140	-	4.5	-	-	8.4
Lead (Pb)	ug/g	1	120	-	1.6	-	-	7.2
Mercury (Hg)	ug/g	0.005	0.27	-	<0.0050	-	-	0.0226
Molybdenum (Mo)	ug/g	1	6.9	-	<1.0	-	-	<1.0
Nickel (Ni)	ug/g	1	100	-	5.5	-	-	8.9
Selenium (Se)	ug/g	1	2.4	-	<1.0	-	-	<1.0
Silver (Ag)	ug/g	0.2	20	-	<0.20	-	-	<0.20
Thallium (Tl)	ug/g	0.5	1	-	<0.50	-	-	<0.50
Uranium (U)	ug/g	1	23	-	<1.0	-	-	<1.0
Vanadium (V)	ug/g	1	86	-	19.9	-	-	32.5
Zinc (Zn)	ug/g	5	340	-	12.8	-	-	31.5
Chromium, Hexavalent	ug/g	0.2	8	-	<0.20	-	-	<0.20
Acetone	ug/g	0.5	16	3.3 *	-	<0.50	-	-
Benzene	ug/g	0.0068	0.21	<0.014 *	-	<0.0068	-	-
Bromodichloromethane	ug/g	0.05	1.5	<0.10 *	-	<0.050	-	-
Bromoform	ug/g	0.05	0.27	<0.10 *	-	<0.050	-	-
Bromomethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
Carbon tetrachloride	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
Chlorobenzene	ug/g	0.05	2.4	<0.10 *	-	<0.050	-	-
Dibromochloromethane	ug/g	0.05	2.3	<0.10 *	-	<0.050	-	-
Chloroform	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.10 *	-	<0.050	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.10 *	-	<0.050	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.10 *	-	<0.050	-	-
Dichlorodifluoromethane	ug/g	0.05	16	<0.10 *	-	<0.050	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	<0.10 *	-	<0.050	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.10 *	-	<0.050	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.10 *	-	<0.050	-	-
Methylene Chloride	ug/g	0.05	0.1	<0.10 *	-	<0.050	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.060 *	-	<0.030	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.060 *	-	<0.030	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.085	-	<0.042	-	-
Ethylbenzene	ug/g	0.018	1.1	<0.036 *	-	<0.018	-	-
n-Hexane	ug/g	0.05	2.8	<0.10 *	-	<0.050	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	<1.0 *	-	<0.50	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<1.0 *	-	<0.50	-	-
MTBE	ug/g	0.05	0.75	<0.10 *	-	<0.050	-	-
Styrene	ug/g	0.05	0.7	<0.10 *	-	<0.050	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.10 *	-	<0.050	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
Tetrachloroethylene	ug/g	0.05	0.28	<0.10 *	-	<0.050	-	-
Toluene	ug/g	0.08	2.3	<0.16 *	-	<0.080	-	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.10 *	-	<0.050	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH209-SS8	BH209-SS17	BH209-SS18	BH210-SS1	BH210-SS2
8/3/2017		ALS ID		L1914068-41	L1914068-42	L1914068-43	L1914068-44	L1914068-45
Multiple Work Orders		Date Sampled		4/13/2017 11:00:00 AM	4/13/2017 12:00:00 PM	4/13/2017 12:00:00 PM	4/13/2017 2:00:00 PM	4/13/2017 2:00:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.020 *	-	<0.010	-	-
Trichlorofluoromethane	ug/g	0.05	4	<0.10 *	-	<0.050	-	-
Vinyl chloride	ug/g	0.02	0.02	<0.040 *	-	<0.020	-	-
o-Xylene	ug/g	0.02	-	<0.040 *	-	<0.020	-	-
m+p-Xylenes	ug/g	0.03	-	<0.060 *	-	<0.030	-	-
Xylenes (Total)	ug/g	0.05	3.1	<0.072	-	<0.050	-	-
4-Bromofluorobenzene	%	Surrogate	-	74.3	-	89.9	-	-
1,4-Difluorobenzene	%	Surrogate	-	78.9	-	92	-	-
F1 (C6-C10)	ug/g	5	55	<10 *	-	<5.0	-	-
F1-BTEX	ug/g	5	55	<10	-	<5.0	-	-
F2 (C10-C16)	ug/g	10	98	<20 *	-	<10	-	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	130 *	-	<50	-	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	<100 *	-	<50	-	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	<140	-	<72	-	-
Chrom. to baseline at nC50		n/a	-	YES	-	YES	-	-
2-Bromobenzotrifluoride	%	Surrogate	-	92.4	-	94	-	-
3,4-Dichlorotoluene	%	Surrogate	-	73.7	-	94.8	-	-
Acenaphthene	ug/g	0.05	7.9	-	<0.050	-	<0.050	-
Acenaphthylene	ug/g	0.05	0.15	-	<0.050	-	0.063	-
Anthracene	ug/g	0.05	0.67	-	<0.050	-	0.077	-
Benzo(a)anthracene	ug/g	0.05	0.5	-	<0.050	-	0.292	-
Benzo(a)pyrene	ug/g	0.05	0.3	-	<0.050	-	**0.367**	-
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	0.541	-
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	<0.050	-	0.302	-
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	0.163	-
Chrysene	ug/g	0.05	7	-	<0.050	-	0.374	-
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	<0.050	-	0.064	-
Fluoranthene	ug/g	0.05	0.69	-	<0.050	-	0.611	-
Fluorene	ug/g	0.05	62	-	<0.050	-	<0.050	-
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	<0.050	-	0.272	-
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	<0.042	-	0.294	-
1-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	0.125	-
2-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	0.169	-
Naphthalene	ug/g	0.05	0.6	-	<0.050	-	0.118	-
Phenanthrene	ug/g	0.05	6.2	-	<0.050	-	0.393	-
Pyrene	ug/g	0.05	78	-	<0.050	-	0.578	-
2-Fluorobiphenyl	%	Surrogate	-	-	98.3	-	97.1	-
p-Terphenyl d14	%	Surrogate	-	-	91.7	-	93.2	-

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	**Result**
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH210-SS6	BH210-SS12	BH210-SS13	DUP 1	DUP 2
8/3/2017		ALS ID		L1914068-46	L1914068-47	L1914068-48	L1914068-49	L1914068-50
Multiple Work Orders		Date Sampled		4/13/2017 3:00:00 PM	4/13/2017 6:00:00 PM	4/13/2017 6:00:00 PM	4/11/2017 2:30:00 PM	4/11/2017 2:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	0.168	-	0.123	-
% Moisture	%	0.1	-	60.2	18.9	17.5	10.9	4.52
pH	pH units	0.1	-	-	7.99	-	7.43	-
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	<0.050	-	<0.050	-
SAR	SAR	0.1	5	-	2.43 *	-	<0.10 *	-
Calcium (Ca)	mg/L	1	-	-	2.9	-	9.3	-
Magnesium (Mg)	mg/L	1	-	-	<1.0	-	<1.0	-
Sodium (Na)	mg/L	1	-	-	15	-	1.1	-
Antimony (Sb)	ug/g	1	7.5	-	<1.0	-	<1.0	-
Arsenic (As)	ug/g	1	18	-	<1.0	-	1.3	-
Barium (Ba)	ug/g	1	390	-	7	-	83.2	-
Beryllium (Be)	ug/g	0.5	4	-	<0.50	-	<0.50	-
Boron (B)	ug/g	5	120	-	<5.0	-	6.6	-
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	<0.10	-	<0.10	-
Cadmium (Cd)	ug/g	0.5	1.2	-	<0.50	-	<0.50	-
Chromium (Cr)	ug/g	1	160	-	4.5	-	17.5	-
Cobalt (Co)	ug/g	1	22	-	1.1	-	5.6	-
Copper (Cu)	ug/g	1	140	-	1.3	-	10.3	-
Lead (Pb)	ug/g	1	120	-	<1.0	-	4.9	-
Mercury (Hg)	ug/g	0.005	0.27	-	<0.0050	-	0.0147	-
Molybdenum (Mo)	ug/g	1	6.9	-	<1.0	-	<1.0	-
Nickel (Ni)	ug/g	1	100	-	2	-	10	-
Selenium (Se)	ug/g	1	2.4	-	<1.0	-	<1.0	-
Silver (Ag)	ug/g	0.2	20	-	<0.20	-	<0.20	-
Thallium (Tl)	ug/g	0.5	1	-	<0.50	-	<0.50	-
Uranium (U)	ug/g	1	23	-	<1.0	-	<1.0	-
Vanadium (V)	ug/g	1	86	-	13.6	-	34.8	-
Zinc (Zn)	ug/g	5	340	-	<5.0	-	31	-
Chromium, Hexavalent	ug/g	0.2	8	-	0.27	-	0.36	-
Acetone	ug/g	0.5	16	3.3 *	-	<0.50	-	-
Benzene	ug/g	0.0068	0.21	<0.014 *	-	<0.0068	-	-
Bromodichloromethane	ug/g	0.05	1.5	<0.10 *	-	<0.050	-	-
Bromoform	ug/g	0.05	0.27	<0.10 *	-	<0.050	-	-
Bromomethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
Carbon tetrachloride	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
Chlorobenzene	ug/g	0.05	2.4	<0.10 *	-	<0.050	-	-
Dibromochloromethane	ug/g	0.05	2.3	<0.10 *	-	<0.050	-	-
Chloroform	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.10 *	-	<0.050	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.10 *	-	<0.050	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.10 *	-	<0.050	-	-
Dichlorodifluoromethane	ug/g	0.05	16	<0.10 *	-	<0.050	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	<0.10 *	-	<0.050	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.10 *	-	<0.050	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.10 *	-	<0.050	-	-
Methylene Chloride	ug/g	0.05	0.1	<0.10 *	-	<0.050	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.060 *	-	<0.030	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.060 *	-	<0.030	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.085	-	<0.042	-	-
Ethylbenzene	ug/g	0.018	1.1	<0.036 *	-	<0.018	-	-
n-Hexane	ug/g	0.05	2.8	<0.10 *	-	<0.050	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	<1.0 *	-	<0.50	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<1.0 *	-	<0.50	-	-
MTBE	ug/g	0.05	0.75	<0.10 *	-	<0.050	-	-
Styrene	ug/g	0.05	0.7	<0.10 *	-	<0.050	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.10 *	-	<0.050	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-
Tetrachloroethylene	ug/g	0.05	0.28	<0.10 *	-	<0.050	-	-
Toluene	ug/g	0.08	2.3	<0.16 *	-	<0.080	-	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.10 *	-	<0.050	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.10 *	-	<0.050	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH210-SS6	BH210-SS12	BH210-SS13	DUP 1	DUP 2
8/3/2017		ALS ID		L1914068-46	L1914068-47	L1914068-48	L1914068-49	L1914068-50
Multiple Work Orders		Date Sampled		4/13/2017 3:00:00 PM	4/13/2017 6:00:00 PM	4/13/2017 6:00:00 PM	4/11/2017 2:30:00 PM	4/11/2017 2:30:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.020 *	-	<0.010	-	-
Trichlorofluoromethane	ug/g	0.05	4	<0.10 *	-	<0.050	-	-
Vinyl chloride	ug/g	0.02	0.02	<0.040 *	-	<0.020	-	-
o-Xylene	ug/g	0.02	-	<0.040 *	-	<0.020	-	-
m+p-Xylenes	ug/g	0.03	-	<0.060 *	-	<0.030	-	-
Xylenes (Total)	ug/g	0.05	3.1	<0.072	-	<0.050	-	-
4-Bromofluorobenzene	%	Surrogate	-	72.8	-	93.3	-	-
1,4-Difluorobenzene	%	Surrogate	-	78	-	97.1	-	-
F1 (C6-C10)	ug/g	5	55	<10 *	-	<5.0	-	-
F1-BTEX	ug/g	5	55	<10	-	<5.0	-	-
F2 (C10-C16)	ug/g	10	98	27 *	-	<10	-	-
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	170 *	-	<50	-	-
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	<100 *	-	<50	-	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	200	-	<72	-	-
Chrom. to baseline at nC50		n/a	-	YES	-	YES	-	-
2-Bromobenzotrifluoride	%	Surrogate	-	92.2	-	92.6	-	-
3,4-Dichlorotoluene	%	Surrogate	-	78.6	-	81.1	-	-
Acenaphthene	ug/g	0.05	7.9	-	<0.050	-	-	0.103
Acenaphthylene	ug/g	0.05	0.15	-	<0.050	-	-	<0.050
Anthracene	ug/g	0.05	0.67	-	<0.050	-	-	0.192
Benzo(a)anthracene	ug/g	0.05	0.5	-	<0.050	-	-	0.299
Benzo(a)pyrene	ug/g	0.05	0.3	-	<0.050	-	-	0.293
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	-	0.403
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	<0.050	-	-	0.176
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	<0.050	-	-	0.133
Chrysene	ug/g	0.05	7	-	<0.050	-	-	0.24
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	<0.050	-	-	<0.050
Fluoranthene	ug/g	0.05	0.69	-	<0.050	-	-	**0.903**
Fluorene	ug/g	0.05	62	-	<0.050	-	-	0.144
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	<0.050	-	-	0.177
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	<0.042	-	-	<0.042
1-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	-	<0.030
2-Methylnaphthalene	ug/g	0.03	0.99	-	<0.030	-	-	0.037
Naphthalene	ug/g	0.05	0.6	-	<0.050	-	-	0.091
Phenanthrene	ug/g	0.05	6.2	-	<0.050	-	-	0.935
Pyrene	ug/g	0.05	78	-	<0.050	-	-	0.677
2-Fluorobiphenyl	%	Surrogate	-	-	96.1	-	-	85
p-Terphenyl d14	%	Surrogate	-	-	90.1	-	-	79.9

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	**Result**
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	DUP 3	DUP 4	DUP 5	DUP 6	DUP 7
8/3/2017		ALS ID		L1914068-51	L1914068-52	L1914068-53	L1914068-54	L1914068-55
Multiple Work Orders		Date Sampled		4/12/2017 8:00:00 AM	4/12/2017 8:00:00 AM	4/13/2017 10:00:00 AM	4/13/2017 10:00:00 AM	4/13/2017 12:00:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	-	-	0.148	-
% Moisture	%	0.1	-	19.2	19.7	9.25	11.4	21.7
pH	pH units	0.1	-	-	-	-	7.29	-
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	-	-	<0.050	-
SAR	SAR	0.1	5	-	-	-	0.25 *	-
Calcium (Ca)	mg/L	1	-	-	-	-	15.3	-
Magnesium (Mg)	mg/L	1	-	-	-	-	<1.0	-
Sodium (Na)	mg/L	1	-	-	-	-	3.6	-
Antimony (Sb)	ug/g	1	7.5	-	-	-	<1.0	-
Arsenic (As)	ug/g	1	18	-	-	-	1.6	-
Barium (Ba)	ug/g	1	390	-	-	-	73.9	-
Beryllium (Be)	ug/g	0.5	4	-	-	-	<0.50	-
Boron (B)	ug/g	5	120	-	-	-	5.6	-
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	-	-	0.13	-
Cadmium (Cd)	ug/g	0.5	1.2	-	-	-	<0.50	-
Chromium (Cr)	ug/g	1	160	-	-	-	15.3	-
Cobalt (Co)	ug/g	1	22	-	-	-	4.8	-
Copper (Cu)	ug/g	1	140	-	-	-	8.1	-
Lead (Pb)	ug/g	1	120	-	-	-	9.5	-
Mercury (Hg)	ug/g	0.005	0.27	-	-	-	0.0236	-
Molybdenum (Mo)	ug/g	1	6.9	-	-	-	<1.0	-
Nickel (Ni)	ug/g	1	100	-	-	-	8.8	-
Selenium (Se)	ug/g	1	2.4	-	-	-	<1.0	-
Silver (Ag)	ug/g	0.2	20	-	-	-	<0.20	-
Thallium (Tl)	ug/g	0.5	1	-	-	-	<0.50	-
Uranium (U)	ug/g	1	23	-	-	-	<1.0	-
Vanadium (V)	ug/g	1	86	-	-	-	31.5	-
Zinc (Zn)	ug/g	5	340	-	-	-	30.3	-
Chromium, Hexavalent	ug/g	0.2	8	-	-	-	<0.20	-
Acetone	ug/g	0.5	16	-	<0.50	-	-	-
Benzene	ug/g	0.0068	0.21	<0.0068	<0.0068	-	-	<0.0068
Bromodichloromethane	ug/g	0.05	1.5	-	<0.050	-	-	-
Bromoform	ug/g	0.05	0.27	-	<0.050	-	-	-
Bromomethane	ug/g	0.05	0.05	-	<0.050	-	-	-
Carbon tetrachloride	ug/g	0.05	0.05	-	<0.050	-	-	-
Chlorobenzene	ug/g	0.05	2.4	-	<0.050	-	-	-
Dibromochloromethane	ug/g	0.05	2.3	-	<0.050	-	-	-
Chloroform	ug/g	0.05	0.05	-	<0.050	-	-	-
1,2-Dibromoethane	ug/g	0.05	0.05	-	<0.050	-	-	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	-	<0.050	-	-	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	-	<0.050	-	-	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	-	<0.050	-	-	-
Dichlorodifluoromethane	ug/g	0.05	16	-	<0.050	-	-	-
1,1-Dichloroethane	ug/g	0.05	0.47	-	<0.050	-	-	-
1,2-Dichloroethane	ug/g	0.05	0.05	-	<0.050	-	-	-
1,1-Dichloroethylene	ug/g	0.05	0.05	-	<0.050	-	-	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	-	<0.050	-	-	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	-	<0.050	-	-	-
Methylene Chloride	ug/g	0.05	0.1	-	<0.050	-	-	-
1,2-Dichloropropane	ug/g	0.05	0.05	-	<0.050	-	-	-
cis-1,3-Dichloropropene	ug/g	0.03	-	-	<0.030	-	-	-
trans-1,3-Dichloropropene	ug/g	0.03	-	-	<0.030	-	-	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	-	<0.042	-	-	-
Ethylbenzene	ug/g	0.018	1.1	<0.018	<0.018	-	-	<0.018
n-Hexane	ug/g	0.05	2.8	-	<0.050	-	-	-
Methyl Ethyl Ketone	ug/g	0.5	16	-	<0.50	-	-	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	-	<0.50	-	-	-
MTBE	ug/g	0.05	0.75	-	<0.050	-	-	-
Styrene	ug/g	0.05	0.7	-	<0.050	-	-	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	-	<0.050	-	-	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	-	<0.050	-	-	-
Tetrachloroethylene	ug/g	0.05	0.28	-	<0.050	-	-	-
Toluene	ug/g	0.08	2.3	<0.080	<0.080	-	-	<0.080
1,1,1-Trichloroethane	ug/g	0.05	0.38	-	<0.050	-	-	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	-	<0.050	-	-	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	DUP 3	DUP 4	DUP 5	DUP 6	DUP 7
8/3/2017		ALS ID		L1914068-51	L1914068-52	L1914068-53	L1914068-54	L1914068-55
Multiple Work Orders		Date Sampled		4/12/2017 8:00:00 AM	4/12/2017 8:00:00 AM	4/13/2017 10:00:00 AM	4/13/2017 10:00:00 AM	4/13/2017 12:00:00 PM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	-	<0.010	-	-	-
Trichlorofluoromethane	ug/g	0.05	4	-	<0.050	-	-	-
Vinyl chloride	ug/g	0.02	0.02	-	<0.020	-	-	-
o-Xylene	ug/g	0.02	-	<0.020	<0.020	-	-	<0.020
m+p-Xylenes	ug/g	0.03	-	<0.030	<0.030	-	-	<0.030
Xylenes (Total)	ug/g	0.05	3.1	<0.050	<0.050	-	-	<0.050
4-Bromofluorobenzene	%	Surrogate	-	89.6	90.9	-	-	90.6
1,4-Difluorobenzene	%	Surrogate	-	92.9	94.5	-	-	93.8
F1 (C6-C10)	ug/g	5	55	<5.0	-	-	-	<5.0
F1-BTEX	ug/g	5	55	<5.0	-	-	-	<5.0
F2 (C10-C16)	ug/g	10	98	<10	-	-	-	<10
F2-Naphth	ug/g	10	-	-	-	-	-	-
F3 (C16-C34)	ug/g	50	300	<50	-	-	-	<50
F3-PAH	ug/g	50	-	-	-	-	-	-
F4 (C34-C50)	ug/g	50	2800	<50	-	-	-	<50
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	<72	-	-	-	<72
Chrom. to baseline at nC50		n/a	-	YES	-	-	-	YES
2-Bromobenzotrifluoride	%	Surrogate	-	88.8	-	-	-	94.7
3,4-Dichlorotoluene	%	Surrogate	-	85.4	-	-	-	98.8
Acenaphthene	ug/g	0.05	7.9	-	-	<0.050	-	-
Acenaphthylene	ug/g	0.05	0.15	-	-	<0.050	-	-
Anthracene	ug/g	0.05	0.67	-	-	<0.050	-	-
Benzo(a)anthracene	ug/g	0.05	0.5	-	-	<0.050	-	-
Benzo(a)pyrene	ug/g	0.05	0.3	-	-	<0.050	-	-
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	-	-
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	-	<0.050	-	-
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	-	-
Chrysene	ug/g	0.05	7	-	-	<0.050	-	-
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	-	<0.050	-	-
Fluoranthene	ug/g	0.05	0.69	-	-	<0.050	-	-
Fluorene	ug/g	0.05	62	-	-	<0.050	-	-
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	-	<0.050	-	-
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	-	<0.042	-	-
1-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	-	-
2-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	-	-
Naphthalene	ug/g	0.05	0.6	-	-	<0.050	-	-
Phenanthrene	ug/g	0.05	6.2	-	-	<0.050	-	-
Pyrene	ug/g	0.05	78	-	-	<0.050	-	-
2-Fluorobiphenyl	%	Surrogate	-	-	-	101.1	-	-
p-Terphenyl d14	%	Surrogate	-	-	-	96.2	-	-

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	DUP 8	BH301 SA1	BH301 SA2	BH301 SA11	BH302 SA1
8/3/2017		ALS ID		L1914068-56	L1951949-1	L1951949-2	L1951949-3	L1951949-4
Multiple Work Orders		Date Sampled		4/13/2017 12:00:00 PM	6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	0.121	-	0.0933	0.113
% Moisture	%	0.1	-	20.6	15	11.2	21.3	11.3
pH	pH units	0.1	-	-	7.58	-	7.97	7.52
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	<0.050	-	<0.050	<0.050
SAR	SAR	0.1	5	-	0.23 *	-	0.26	0.17 *
Calcium (Ca)	mg/L	1	-	-	10.1	-	2.9	8.1
Magnesium (Mg)	mg/L	1	-	-	<1.0	-	2	<1.0
Sodium (Na)	mg/L	1	-	-	2.7	-	2.4	1.8
Antimony (Sb)	ug/g	1	7.5	-	<1.0	-	<1.0	<1.0
Arsenic (As)	ug/g	1	18	-	1.9	-	1.2	1.6
Barium (Ba)	ug/g	1	390	-	64.3	-	32.5	76.7
Beryllium (Be)	ug/g	0.5	4	-	<0.50	-	<0.50	<0.50
Boron (B)	ug/g	5	120	-	5.4	-	<5.0	6.1
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	<0.10	-	<0.10	<0.10
Cadmium (Cd)	ug/g	0.5	1.2	-	<0.50	-	<0.50	<0.50
Chromium (Cr)	ug/g	1	160	-	16.4	-	10.1	17
Cobalt (Co)	ug/g	1	22	-	4.9	-	3.2	5.5
Copper (Cu)	ug/g	1	140	-	8.4	-	6.2	10.7
Lead (Pb)	ug/g	1	120	-	6.2	-	1.9	4.2
Mercury (Hg)	ug/g	0.005	0.27	-	0.0298	-	<0.0050	0.0177
Molybdenum (Mo)	ug/g	1	6.9	-	<1.0	-	<1.0	<1.0
Nickel (Ni)	ug/g	1	100	-	9.2	-	6.3	9.9
Selenium (Se)	ug/g	1	2.4	-	<1.0	-	<1.0	<1.0
Silver (Ag)	ug/g	0.2	20	-	<0.20	-	<0.20	<0.20
Thallium (Tl)	ug/g	0.5	1	-	<0.50	-	<0.50	<0.50
Uranium (U)	ug/g	1	23	-	<1.0	-	<1.0	<1.0
Vanadium (V)	ug/g	1	86	-	32.7	-	20.5	32.4
Zinc (Zn)	ug/g	5	340	-	25.6	-	14.4	30
Chromium, Hexavalent	ug/g	0.2	8	-	<0.20	-	<0.20	0.29
Acetone	ug/g	0.5	16	<0.50	-	<0.50	<0.50	-
Benzene	ug/g	0.0068	0.21	<0.0068	-	<0.0068	<0.0068	-
Bromodichloromethane	ug/g	0.05	1.5	<0.050	-	<0.050	<0.050	-
Bromoform	ug/g	0.05	0.27	<0.050	-	<0.050	<0.050	-
Bromomethane	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
Carbon tetrachloride	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
Chlorobenzene	ug/g	0.05	2.4	<0.050	-	<0.050	<0.050	-
Dibromochloromethane	ug/g	0.05	2.3	<0.050	-	<0.050	<0.050	-
Chloroform	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
1,2-Dibromoethane	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.050	-	<0.050	<0.050	-
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.050	-	<0.050	<0.050	-
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.050	-	<0.050	<0.050	-
Dichlorodifluoromethane	ug/g	0.05	16	<0.050	-	<0.050	<0.050	-
1,1-Dichloroethane	ug/g	0.05	0.47	<0.050	-	<0.050	<0.050	-
1,2-Dichloroethane	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.050	-	<0.050	<0.050	-
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.050	-	<0.050	<0.050	-
Methylene Chloride	ug/g	0.05	0.1	<0.050	-	<0.050	<0.050	-
1,2-Dichloropropane	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.030	-	<0.030	<0.030	-
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.030	-	<0.030	<0.030	-
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.042	-	<0.042	<0.042	-
Ethylbenzene	ug/g	0.018	1.1	<0.018	-	<0.018	<0.018	-
n-Hexane	ug/g	0.05	2.8	<0.050	-	<0.050	<0.050	-
Methyl Ethyl Ketone	ug/g	0.5	16	<0.50	-	<0.50	<0.50	-
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<0.50	-	<0.50	<0.50	-
MTBE	ug/g	0.05	0.75	<0.050	-	<0.050	<0.050	-
Styrene	ug/g	0.05	0.7	<0.050	-	<0.050	<0.050	-
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.050	-	<0.050	<0.050	-
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-
Tetrachloroethylene	ug/g	0.05	0.28	<0.050	-	<0.050	<0.050	-
Toluene	ug/g	0.08	2.3	<0.080	-	<0.080	<0.080	-
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.050	-	<0.050	<0.050	-
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.050	-	<0.050	<0.050	-

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	DUP 8	BH301 SA1	BH301 SA2	BH301 SA11	BH302 SA1
8/3/2017		ALS ID		L1914068-56	L1951949-1	L1951949-2	L1951949-3	L1951949-4
Multiple Work Orders		Date Sampled		4/13/2017 12:00:00 PM	6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.010	-	<0.010	<0.010	-
Trichlorofluoromethane	ug/g	0.05	4	<0.050	-	<0.050	<0.050	-
Vinyl chloride	ug/g	0.02	0.02	<0.020	-	<0.020	<0.020	-
o-Xylene	ug/g	0.02	-	<0.020	-	<0.020	<0.020	-
m+p-Xylenes	ug/g	0.03	-	<0.030	-	<0.030	<0.030	-
Xylenes (Total)	ug/g	0.05	3.1	<0.050	-	<0.050	<0.050	-
4-Bromofluorobenzene	%	Surrogate	-	91.9	-	103.8	93	-
1,4-Difluorobenzene	%	Surrogate	-	94.6	-	105.6	94.4	-
F1 (C6-C10)	ug/g	5	55	-	-	<5.0	<5.0	-
F1-BTEX	ug/g	5	55	-	-	<5.0	<5.0	-
F2 (C10-C16)	ug/g	10	98	-	-	<10	<10	-
F2-Naphth	ug/g	10	-	-	-	<10	<10	-
F3 (C16-C34)	ug/g	50	300	-	-	<50	<50	-
F3-PAH	ug/g	50	-	-	-	<50	<50	-
F4 (C34-C50)	ug/g	50	2800	-	-	<50	<50	-
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	-	-	<72	<72	-
Chrom. to baseline at nC50		n/a	-	-	-	YES	YES	-
2-Bromobenzotrifluoride	%	Surrogate	-	-	-	85.1	87.3	-
3,4-Dichlorotoluene	%	Surrogate	-	-	-	107.6	94.2	-
Acenaphthene	ug/g	0.05	7.9	-	-	<0.050	<0.050	-
Acenaphthylene	ug/g	0.05	0.15	-	-	<0.050	<0.050	-
Anthracene	ug/g	0.05	0.67	-	-	<0.050	<0.050	-
Benzo(a)anthracene	ug/g	0.05	0.5	-	-	<0.050	<0.050	-
Benzo(a)pyrene	ug/g	0.05	0.3	-	-	<0.050	<0.050	-
Benzo(b)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	<0.050	-
Benzo(g,h,i)perylene	ug/g	0.05	6.6	-	-	<0.050	<0.050	-
Benzo(k)fluoranthene	ug/g	0.05	0.78	-	-	<0.050	<0.050	-
Chrysene	ug/g	0.05	7	-	-	<0.050	<0.050	-
Dibenzo(ah)anthracene	ug/g	0.05	0.1	-	-	<0.050	<0.050	-
Fluoranthene	ug/g	0.05	0.69	-	-	<0.050	<0.050	-
Fluorene	ug/g	0.05	62	-	-	<0.050	<0.050	-
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	-	-	<0.050	<0.050	-
1+2-Methylnaphthalenes	ug/g	0.042	0.99	-	-	<0.042	<0.042	-
1-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	<0.030	-
2-Methylnaphthalene	ug/g	0.03	0.99	-	-	<0.030	<0.030	-
Naphthalene	ug/g	0.05	0.6	-	-	<0.050	<0.050	-
Phenanthrene	ug/g	0.05	6.2	-	-	<0.050	<0.050	-
Pyrene	ug/g	0.05	78	-	-	<0.050	<0.050	-
2-Fluorobiphenyl	%	Surrogate	-	-	-	110.9	108.9	-
p-Terphenyl d14	%	Surrogate	-	-	-	114.7	110.9	-

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH302 SA2	BH302 SA11	BH303 SA1	BH303 SA2	BH303 SA11
8/3/2017		ALS ID		L1951949-5	L1951949-6	L1951949-7	L1951949-8	L1951949-9
Multiple Work Orders		Date Sampled		6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM	6/29/2017 11:00:00 AM	6/29/2017 11:00:00 AM	6/29/2017 11:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Conductivity	mS/cm	0.004	0.7	-	0.11	0.124	-	0.119
% Moisture	%	0.1	-	13.5	18.3	13	13.3	19.5
pH	pH units	0.1	-	-	8.15	7.56	-	7.92
Cyanide, Weak Acid Diss	ug/g	0.05	0.051	-	<0.050	<0.050	-	<0.050
SAR	SAR	0.1	5	-	0.49	0.13 *	-	2.21 *
Calcium (Ca)	mg/L	1	-	-	3.7	10.3	-	1.9
Magnesium (Mg)	mg/L	1	-	-	2.6	<1.0	-	<1.0
Sodium (Na)	mg/L	1	-	-	5	1.5	-	11
Antimony (Sb)	ug/g	1	7.5	-	<1.0	<1.0	-	<1.0
Arsenic (As)	ug/g	1	18	-	1.3	1.5	-	1.3
Barium (Ba)	ug/g	1	390	-	49.8	44.2	-	37.7
Beryllium (Be)	ug/g	0.5	4	-	<0.50	<0.50	-	<0.50
Boron (B)	ug/g	5	120	-	5.9	<5.0	-	5.4
Boron (B), Hot Water Ext. Available	ug/g	0.1	1.5	-	<0.10	<0.10	-	0.16
Cadmium (Cd)	ug/g	0.5	1.2	-	<0.50	<0.50	-	<0.50
Chromium (Cr)	ug/g	1	160	-	13.3	14.9	-	11.4
Cobalt (Co)	ug/g	1	22	-	4.3	4.5	-	3.5
Copper (Cu)	ug/g	1	140	-	8	8	-	6.6
Lead (Pb)	ug/g	1	120	-	2.5	3.9	-	2.3
Mercury (Hg)	ug/g	0.005	0.27	-	<0.0050	0.018	-	<0.0050
Molybdenum (Mo)	ug/g	1	6.9	-	<1.0	<1.0	-	<1.0
Nickel (Ni)	ug/g	1	100	-	8.3	8.3	-	7.1
Selenium (Se)	ug/g	1	2.4	-	<1.0	<1.0	-	<1.0
Silver (Ag)	ug/g	0.2	20	-	<0.20	<0.20	-	<0.20
Thallium (Tl)	ug/g	0.5	1	-	<0.50	<0.50	-	<0.50
Uranium (U)	ug/g	1	23	-	<1.0	<1.0	-	<1.0
Vanadium (V)	ug/g	1	86	-	25.3	30.3	-	21.5
Zinc (Zn)	ug/g	5	340	-	21.3	21.4	-	15.7
Chromium, Hexavalent	ug/g	0.2	8	-	<0.20	0.62	-	<0.20
Acetone	ug/g	0.5	16	<0.50	<0.50	-	<0.50	<0.50
Benzene	ug/g	0.0068	0.21	<0.0068	<0.0068	-	<0.0068	<0.0068
Bromodichloromethane	ug/g	0.05	1.5	<0.050	<0.050	-	<0.050	<0.050
Bromoform	ug/g	0.05	0.27	<0.050	<0.050	-	<0.050	<0.050
Bromomethane	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
Carbon tetrachloride	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
Chlorobenzene	ug/g	0.05	2.4	<0.050	<0.050	-	<0.050	<0.050
Dibromochloromethane	ug/g	0.05	2.3	<0.050	<0.050	-	<0.050	<0.050
Chloroform	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
1,2-Dibromoethane	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
1,2-Dichlorobenzene	ug/g	0.05	1.2	<0.050	<0.050	-	<0.050	<0.050
1,3-Dichlorobenzene	ug/g	0.05	4.8	<0.050	<0.050	-	<0.050	<0.050
1,4-Dichlorobenzene	ug/g	0.05	0.083	<0.050	<0.050	-	<0.050	<0.050
Dichlorodifluoromethane	ug/g	0.05	16	<0.050	<0.050	-	<0.050	<0.050
1,1-Dichloroethane	ug/g	0.05	0.47	<0.050	<0.050	-	<0.050	<0.050
1,2-Dichloroethane	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
cis-1,2-Dichloroethylene	ug/g	0.05	1.9	<0.050	<0.050	-	<0.050	<0.050
trans-1,2-Dichloroethylene	ug/g	0.05	0.084	<0.050	<0.050	-	<0.050	<0.050
Methylene Chloride	ug/g	0.05	0.1	<0.050	<0.050	-	<0.050	<0.050
1,2-Dichloropropane	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
cis-1,3-Dichloropropene	ug/g	0.03	-	<0.030	<0.030	-	<0.030	<0.030
trans-1,3-Dichloropropene	ug/g	0.03	-	<0.030	<0.030	-	<0.030	<0.030
1,3-Dichloropropene (cis & trans)	ug/g	0.042	0.05	<0.042	<0.042	-	<0.042	<0.042
Ethylbenzene	ug/g	0.018	1.1	<0.018	<0.018	-	<0.018	<0.018
n-Hexane	ug/g	0.05	2.8	<0.050	<0.050	-	<0.050	<0.050
Methyl Ethyl Ketone	ug/g	0.5	16	<0.50	<0.50	-	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g	0.5	1.7	<0.50	<0.50	-	<0.50	<0.50
MTBE	ug/g	0.05	0.75	<0.050	<0.050	-	<0.050	<0.050
Styrene	ug/g	0.05	0.7	<0.050	<0.050	-	<0.050	<0.050
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.058	<0.050	<0.050	-	<0.050	<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050
Tetrachloroethylene	ug/g	0.05	0.28	<0.050	<0.050	-	<0.050	<0.050
Toluene	ug/g	0.08	2.3	<0.080	<0.080	-	<0.080	<0.080
1,1,1-Trichloroethane	ug/g	0.05	0.38	<0.050	<0.050	-	<0.050	<0.050
1,1,2-Trichloroethane	ug/g	0.05	0.05	<0.050	<0.050	-	<0.050	<0.050

SOIL QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS		Sample ID	Guideline	BH302 SA2	BH302 SA11	BH303 SA1	BH303 SA2	BH303 SA11
8/3/2017		ALS ID		L1951949-5	L1951949-6	L1951949-7	L1951949-8	L1951949-9
Multiple Work Orders		Date Sampled		6/28/2017 12:00:00 AM	6/28/2017 12:00:00 AM	6/29/2017 11:00:00 AM	6/29/2017 11:00:00 AM	6/29/2017 11:00:00 AM
Analyte	Units	LOR		Soil	Soil	Soil	Soil	Soil
Trichloroethylene	ug/g	0.01	0.061	<0.010	<0.010	-	<0.010	<0.010
Trichlorofluoromethane	ug/g	0.05	4	<0.050	<0.050	-	<0.050	<0.050
Vinyl chloride	ug/g	0.02	0.02	<0.020	<0.020	-	<0.020	<0.020
o-Xylene	ug/g	0.02	-	<0.020	<0.020	-	<0.020	<0.020
m+p-Xylenes	ug/g	0.03	-	<0.030	<0.030	-	<0.030	<0.030
Xylenes (Total)	ug/g	0.05	3.1	<0.050	<0.050	-	<0.050	<0.050
4-Bromofluorobenzene	%	Surrogate	-	100.8	97.1	-	97.8	94.2
1,4-Difluorobenzene	%	Surrogate	-	101.5	97.7	-	101.2	94.2
F1 (C6-C10)	ug/g	5	55	<5.0	<5.0	-	<5.0	<5.0
F1-BTEX	ug/g	5	55	<5.0	<5.0	-	<5.0	<5.0
F2 (C10-C16)	ug/g	10	98	<10	<10	-	<10	<10
F2-Naphth	ug/g	10	-	<10	<10	-	<10	<10
F3 (C16-C34)	ug/g	50	300	<50	<50	-	168	<50
F3-PAH	ug/g	50	-	<50	<50	-	168	<50
F4 (C34-C50)	ug/g	50	2800	<50	<50	-	65	<50
F4G-SG (GHH-Silica)	ug/g	250	2800	-	-	-	-	-
Total Hydrocarbons (C6-C50)	ug/g	72	-	<72	<72	-	233	<72
Chrom. to baseline at nC50		n/a	-	YES	YES	-	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	82.3	84.5	-	99	88.6
3,4-Dichlorotoluene	%	Surrogate	-	95.8	96	-	94	90.7
Acenaphthene	ug/g	0.05	7.9	<0.050	<0.050	-	<0.050	<0.050
Acenaphthylene	ug/g	0.05	0.15	<0.050	<0.050	-	<0.050	<0.050
Anthracene	ug/g	0.05	0.67	<0.050	<0.050	-	<0.050	<0.050
Benzo(a)anthracene	ug/g	0.05	0.5	<0.050	<0.050	-	<0.050	<0.050
Benzo(a)pyrene	ug/g	0.05	0.3	<0.050	<0.050	-	<0.050	<0.050
Benzo(b)fluoranthene	ug/g	0.05	0.78	<0.050	<0.050	-	<0.050	<0.050
Benzo(g,h,i)perylene	ug/g	0.05	6.6	<0.050	<0.050	-	<0.050	<0.050
Benzo(k)fluoranthene	ug/g	0.05	0.78	<0.050	<0.050	-	<0.050	<0.050
Chrysene	ug/g	0.05	7	<0.050	<0.050	-	<0.050	<0.050
Dibenzo(ah)anthracene	ug/g	0.05	0.1	<0.050	<0.050	-	<0.050	<0.050
Fluoranthene	ug/g	0.05	0.69	<0.050	<0.050	-	<0.050	<0.050
Fluorene	ug/g	0.05	62	<0.050	<0.050	-	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.05	0.38	<0.050	<0.050	-	<0.050	<0.050
1+2-Methylnaphthalenes	ug/g	0.042	0.99	<0.042	<0.042	-	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.03	0.99	<0.030	<0.030	-	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.03	0.99	<0.030	<0.030	-	<0.030	<0.030
Naphthalene	ug/g	0.05	0.6	<0.050	<0.050	-	<0.050	<0.050
Phenanthrene	ug/g	0.05	6.2	<0.050	<0.050	-	<0.050	<0.050
Pyrene	ug/g	0.05	78	<0.050	<0.050	-	<0.050	<0.050
2-Fluorobiphenyl	%	Surrogate	-	109.7	97.7	-	109.9	110.3
p-Terphenyl d14	%	Surrogate	-	112.9	98.4	-	113.4	111.7

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Soil/Res

GROUND WATER RESULTS

Table 1 Standards, MOECC 2011

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	EMW3	BH304
8/3/2017		ALS ID		L1916592-4	L1954617-4
Multiple Work Orders		Date Sampled		4/20/2017 1:00:00 PM	7/5/2017 8:00:00 AM
Analyte		LOR		Water	Water
Conductivity	mS/cm	0.003	-	0.85	0.526
pH	pH units	0.1	-	7.22 *	8.1
Chloride (Cl)	mg/L	0.5	790	2.45	29.7
Cyanide, Weak Acid Diss	ug/L	2	5	<2.0	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	1.5	<0.10	<0.10
Arsenic (As)-Dissolved	ug/L	0.1	13	0.62	0.69
Barium (Ba)-Dissolved	ug/L	0.1	610	95.5	232
Beryllium (Be)-Dissolved	ug/L	0.1	0.5	<0.10	<0.10
Boron (B)-Dissolved	ug/L	10	1700	30	18
Cadmium (Cd)-Dissolved	ug/L	0.01	0.5	<0.010	<0.010
Chromium (Cr)-Dissolved	ug/L	0.5	11	<0.50	<0.50
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	<0.10	<0.10
Copper (Cu)-Dissolved	ug/L	0.2	5	3.03	0.2
Lead (Pb)-Dissolved	ug/L	0.05	1.9	<0.050	<0.050
Mercury (Hg)-Dissolved	ug/L	0.01	0.1	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	23	0.177	1.03
Nickel (Ni)-Dissolved	ug/L	0.5	14	<0.50	<0.50
Selenium (Se)-Dissolved	ug/L	0.05	5	0.103	<0.050
Silver (Ag)-Dissolved	ug/L	0.05	0.3	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	6090	10600
Thallium (Tl)-Dissolved	ug/L	0.01	0.5	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	0.01	8.9	0.014	1.22
Vanadium (V)-Dissolved	ug/L	0.5	3.9	<0.50	1.49
Zinc (Zn)-Dissolved	ug/L	1	160	2.9	1.8
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0
Acetone	ug/L	30	2700	<30	<30
Benzene	ug/L	0.5	0.5	<0.50	<0.50
Bromodichloromethane	ug/L	2	2	<2.0	<2.0
Bromoform	ug/L	5	5	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.2	<0.20	<0.20
Chlorobenzene	ug/L	0.5	0.5	<0.50	<0.50
Dibromochloromethane	ug/L	2	2	<2.0	<2.0
Chloroform	ug/L	1	2	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	0.5	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	0.5	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	0.5	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	0.5	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	0.5	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50
Methylene Chloride	ug/L	5	5	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	0.5	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50
Ethylbenzene	ug/L	0.5	0.5	<0.50	<0.50
n-Hexane	ug/L	0.5	5	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	400	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0
Styrene	ug/L	0.5	0.5	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	0.5	<0.50	<0.50
Toluene	ug/L	0.5	0.8	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	0.5	<0.50	<0.50

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	EMW3	BH304
8/3/2017		ALS ID		L1916592-4	L1954617-4
Multiple Work Orders		Date Sampled		4/20/2017 1:00:00 PM	7/5/2017 8:00:00 AM
Analyte		LOR		Water	Water
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.50	<0.50
Trichloroethylene	ug/L	0.5	0.5	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	<0.50
o-Xylene	ug/L	0.3	-	<0.30	<0.30
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40
Xylenes (Total)	ug/L	0.5	72	<0.50	<0.50
4-Bromofluorobenzene	%	Surrogate	-	95.2	96.7
1,4-Difluorobenzene	%	Surrogate	-	100	100.3
F1 (C6-C10)	ug/L	25	420	<25	<25
F1-BTEX	ug/L	25	420	<25	<25
F2 (C10-C16)	ug/L	100	150	<100	<100
F2-Naphth	ug/L	100	-	<100	<100
F3 (C16-C34)	ug/L	250	500	<250	<250
F3-PAH	ug/L	250	-	<250	<250
F4 (C34-C50)	ug/L	250	500	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	370	-	<370	<370
Chrom. to baseline at nC50		n/a	-	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	101.4	105
3,4-Dichlorotoluene	%	Surrogate	-	85.9	94.5
Acenaphthene	ug/L	0.02	4.1	<0.020	<0.020
Acenaphthylene	ug/L	0.02	1	<0.020	<0.020
Anthracene	ug/L	0.02	0.1	<0.020	<0.020
Benzo(a)anthracene	ug/L	0.02	0.2	<0.020	<0.020
Benzo(a)pyrene	ug/L	0.01	0.01	**0.013**	<0.010
Benzo(b)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020
Benzo(g,h,i)perylene	ug/L	0.02	0.2	<0.020	<0.020
Benzo(k)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020
Chrysene	ug/L	0.02	0.1	<0.020	<0.020
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020
Fluoranthene	ug/L	0.02	0.4	0.025	<0.020
Fluorene	ug/L	0.02	120	<0.020	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	<0.020	<0.020
1+2-Methylnaphthalenes	ug/L	0.028	2	<0.028	<0.028
1-Methylnaphthalene	ug/L	0.02	2	<0.020	<0.020
2-Methylnaphthalene	ug/L	0.02	2	<0.020	<0.020
Naphthalene	ug/L	0.05	7	<0.050	<0.050
Phenanthrene	ug/L	0.02	0.1	<0.020	<0.020
Pyrene	ug/L	0.02	0.2	0.025	<0.020
d10-Acenaphthene	%	Surrogate	-	87.8	116.9
d12-Chrysene	%	Surrogate	-	92.4	122.1
d8-Naphthalene	%	Surrogate	-	99.2	117
d10-Phenanthrene	%	Surrogate	-	97.7	121.7

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T1-Ground Water/All

GROUND WATER RESULTS

Table 2 Standards, MOECC 2011

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	TBH116	EMW1	EMW2	EMW4
8/3/2017		ALS ID		L1916592-1	L1916592-2	L1916592-3	L1916592-5
Multiple Work Orders		Date Sampled		4/20/2017 10:00:00 AM	4/20/2017 11:00:00 AM	4/20/2017 12:00:00 PM	4/20/2017 2:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Conductivity	mS/cm	0.003	-	2.12	0.466	1.01	0.752
pH	pH units	0.1	-	7.26 *	7.70 *	7.15 *	7.47 *
Chloride (Cl)	mg/L	0.5	790	110 *	4.11	20.6	25.7
Cyanide, Weak Acid Diss	ug/L	2	66	<2.0	<2.0	<2.0	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	6	0.16	<0.10	<0.10	<0.10
Arsenic (As)-Dissolved	ug/L	0.1	25	1.94	<0.10	0.79	1.06
Barium (Ba)-Dissolved	ug/L	0.1	1000	258	99.8	141	170
Beryllium (Be)-Dissolved	ug/L	0.1	4	<0.10	<0.10	<0.10	<0.10
Boron (B)-Dissolved	ug/L	10	5000	97	21	57	73
Cadmium (Cd)-Dissolved	ug/L	0.01	2.7	<0.010	<0.010	<0.010	<0.010
Chromium (Cr)-Dissolved	ug/L	0.5	50	4.85	<0.50	0.61	<0.50
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	3.37	<0.10	0.42	0.11
Copper (Cu)-Dissolved	ug/L	0.2	87	0.36	0.68	0.55	0.62
Lead (Pb)-Dissolved	ug/L	0.05	10	<0.050	0.055	0.147	0.144
Mercury (Hg)-Dissolved	ug/L	0.01	0.29	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	70	0.2	0.246	0.062	0.472
Nickel (Ni)-Dissolved	ug/L	0.5	100	19.3	<0.50	1.2	0.79
Selenium (Se)-Dissolved	ug/L	0.05	10	0.328	0.082	0.218	0.188
Silver (Ag)-Dissolved	ug/L	0.05	1.5	<0.050	<0.050	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	87800	7160	22100	22900
Thallium (Tl)-Dissolved	ug/L	0.01	2	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	0.01	20	<0.010	<0.010	0.011	0.089
Vanadium (V)-Dissolved	ug/L	0.5	6.2	2.09	<0.50	0.78	<0.50
Zinc (Zn)-Dissolved	ug/L	1	1100	2.4	1.8	5.4	9.6
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0	<1.0	<1.0
Acetone	ug/L	30	2700	76	<30	<30	<30
Benzene	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	2	16	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	5	25	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.79	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	0.5	30	<0.50	<0.50	<0.50	1.13
Dibromochloromethane	ug/L	2	25	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	1	2.4	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	3	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	59	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	5	50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<14 *	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<14	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	0.5	2.4	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	0.5	51	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	1800	30	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	0.5	5.4	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	0.5	24	464 *	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	200	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	4.7	<0.50	<0.50	<0.50	<0.50

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	TBH116	EMW1	EMW2	EMW4
8/3/2017		ALS ID		L1916592-1	L1916592-2	L1916592-3	L1916592-5
Multiple Work Orders		Date Sampled		4/20/2017 10:00:00 AM	4/20/2017 11:00:00 AM	4/20/2017 12:00:00 PM	4/20/2017 2:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Trichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
o-Xylene	ug/L	0.3	-	<0.30	<0.30	<0.30	0.3
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40	<0.40	0.82
Xylenes (Total)	ug/L	0.5	300	<0.50	<0.50	<0.50	1.12
4-Bromofluorobenzene	%	Surrogate	-	95	96.5	93.5	95
1,4-Difluorobenzene	%	Surrogate	-	100.5	100.1	100.9	100.8
F1 (C6-C10)	ug/L	25	750	426	<25	<25	45
F1-BTEX	ug/L	25	750	<64	<25	<25	44
F2 (C10-C16)	ug/L	100	150	<100	<100	<100	<100
F2-Naphth	ug/L	100	-	<100	<100	<100	<100
F3 (C16-C34)	ug/L	250	500	<250	<250	<250	**920**
F3-PAH	ug/L	250	-	<250	<250	<250	910
F4 (C34-C50)	ug/L	250	500	<250	<250	<250	330
Total Hydrocarbons (C6-C50)	ug/L	370	-	430	<370	<370	1290
Chrom. to baseline at nC50		n/a	-	YES	YES	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	107.1	102.7	100.2	95.4
3,4-Dichlorotoluene	%	Surrogate	-	73.6	91.3	82.7	84.8
Acenaphthene	ug/L	0.02	4.1	**5.12**	<0.020	<0.020	0.091
Acenaphthylene	ug/L	0.02	1	0.122	<0.020	<0.020	<0.020
Anthracene	ug/L	0.02	2.4	0.478	<0.020	<0.020	0.032 *
Benzo(a)anthracene	ug/L	0.02	1	0.045	<0.020	0.02	0.038
Benzo(a)pyrene	ug/L	0.01	0.01	**0.015**	<0.010	**0.017**	**0.032**
Benzo(b)fluoranthene	ug/L	0.02	0.1	0.02	<0.020	0.026	0.043
Benzo(g,h,i)perylene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	0.032
Benzo(k)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Chrysene	ug/L	0.02	0.1	0.048	<0.020	0.021	0.043
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.02	0.41	**0.471**	<0.020	0.053	0.08
Fluorene	ug/L	0.02	120	3.48	<0.020	<0.020	0.101
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	0.022
1+2-Methylnaphthalenes	ug/L	0.028	3.2	**7.38**	<0.028	<0.028	0.347
1-Methylnaphthalene	ug/L	0.02	3.2	**3.83**	<0.020	<0.020	0.23
2-Methylnaphthalene	ug/L	0.02	3.2	**3.55**	<0.020	<0.020	0.116
Naphthalene	ug/L	0.05	11	1.57	<0.050	<0.050	<0.150 *
Phenanthrene	ug/L	0.02	1	**3.32**	<0.020	0.029	0.067
Pyrene	ug/L	0.02	4.1	0.327	<0.020	0.045	0.104
d10-Acenaphthene	%	Surrogate	-	92.7	94	92.2	91.4
d12-Chrysene	%	Surrogate	-	99.1	94.8	91	96.7
d8-Naphthalene	%	Surrogate	-	120.8	87.2	89.1	98.8
d10-Phenanthrene	%	Surrogate	-	104.9	93.1	102.9	99.2

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	**Result**
Exceeds two Criteria	**Result**
DL > Criteria	Result
Guideline	Reg153/04 T2-Ground Water/Res

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	EMW5	EMW6	EMW7	BH209
8/3/2017		ALS ID		L1916592-6	L1916592-7	L1916592-8	L1916592-9
Multiple Work Orders		Date Sampled		4/21/2017 8:30:00 AM	4/21/2017 9:00:00 AM	4/21/2017 9:30:00 AM	4/21/2017 10:00:00 AM
Analyte		LOR		Water	Water	Water	Water
Conductivity	mS/cm	0.003	-	0.912	0.989	3.71	1.88
pH	pH units	0.1	-	7.51	7.58	7.41	7.65
Chloride (Cl)	mg/L	0.5	790	107	124	979 *	398 *
Cyanide, Weak Acid Diss	ug/L	2	66	<2.0	<2.0	<2.0	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	6	0.16	0.36	<1.0 *	<0.10
Arsenic (As)-Dissolved	ug/L	0.1	25	1.52	0.21	<1.0 *	2.31
Barium (Ba)-Dissolved	ug/L	0.1	1000	43	145	205 *	228
Beryllium (Be)-Dissolved	ug/L	0.1	4	<0.10	<0.10	<1.0 *	<0.10
Boron (B)-Dissolved	ug/L	10	5000	129	68	<100 *	74
Cadmium (Cd)-Dissolved	ug/L	0.01	2.7	<0.010	0.021	<0.10 *	<0.010
Chromium (Cr)-Dissolved	ug/L	0.5	50	<0.50	<0.50	<5.0 *	<0.50
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	0.24	0.18	<1.0 *	0.13
Copper (Cu)-Dissolved	ug/L	0.2	87	1.12	0.47	7.6 *	0.3
Lead (Pb)-Dissolved	ug/L	0.05	10	0.128	0.099	<0.50 *	<0.050
Mercury (Hg)-Dissolved	ug/L	0.01	0.29	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	70	0.379	0.508	<0.50 *	1.57
Nickel (Ni)-Dissolved	ug/L	0.5	100	0.82	6.77	<5.0 *	<0.50
Selenium (Se)-Dissolved	ug/L	0.05	10	<0.050	0.062	<0.50 *	<0.050
Silver (Ag)-Dissolved	ug/L	0.05	1.5	<0.050	<0.050	<0.50 *	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	21800	46800	585000 *	147000 *
Thallium (Tl)-Dissolved	ug/L	0.01	2	<0.010	<0.010	<0.10 *	<0.010
Uranium (U)-Dissolved	ug/L	0.01	20	0.116	0.136	<0.10 *	0.801
Vanadium (V)-Dissolved	ug/L	0.5	6.2	<0.50	<0.50	<5.0 *	0.71
Zinc (Zn)-Dissolved	ug/L	1	1100	12.2	30.9	24 *	<1.0
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0	<1.0	<1.0
Acetone	ug/L	30	2700	<30	<30	<30	<30
Benzene	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	2	16	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	5	25	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.79	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	0.5	30	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	2	25	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	1	2.4	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	3	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	59	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	32.3	64.1	<0.50	8.46
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	5	50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	0.5	2.4	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	0.5	51	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	1800	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	0.5	5.4	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	0.5	24	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	200	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	4.7	<0.50	<0.50	<0.50	<0.50

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	EMW5	EMW6	EMW7	BH209
8/3/2017		ALS ID		L1916592-6	L1916592-7	L1916592-8	L1916592-9
Multiple Work Orders		Date Sampled		4/21/2017 8:30:00 AM	4/21/2017 9:00:00 AM	4/21/2017 9:30:00 AM	4/21/2017 10:00:00 AM
Analyte		LOR		Water	Water	Water	Water
Trichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	**16.6**	**218**	<0.50	**3.4**
o-Xylene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	0.5	300	<0.50	<0.50	<0.50	<0.50
4-Bromofluorobenzene	%	Surrogate	-	94.2	97.5	98.7	96.6
1,4-Difluorobenzene	%	Surrogate	-	100.1	101.1	101.4	101.2
F1 (C6-C10)	ug/L	25	750	<25	<25	<25	<25
F1-BTEX	ug/L	25	750	<25	<25	<25	<25
F2 (C10-C16)	ug/L	100	150	<100	<100	<100	<100
F2-Naphth	ug/L	100	-	<100	<100	<100	<100
F3 (C16-C34)	ug/L	250	500	<250	<250	<250	<250
F3-PAH	ug/L	250	-	<250	<250	<250	<250
F4 (C34-C50)	ug/L	250	500	<250	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	370	-	<370	<370	<370	<370
Chrom. to baseline at nC50		n/a	-	YES	YES	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	107.4	108.6	98.2	105.3
3,4-Dichlorotoluene	%	Surrogate	-	90	80.3	82.8	80.5
Acenaphthene	ug/L	0.02	4.1	<0.020	<0.020	<0.020	<0.020
Acenaphthylene	ug/L	0.02	1	<0.020	<0.020	<0.020	<0.020
Anthracene	ug/L	0.02	2.4	<0.020	<0.020	<0.020	<0.020
Benzo(a)anthracene	ug/L	0.02	1	<0.020	<0.020	<0.020	<0.020
Benzo(a)pyrene	ug/L	0.01	0.01	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Benzo(g,h,i)perylene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
Benzo(k)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Chrysene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.02	0.41	<0.020	<0.020	<0.020	<0.020
Fluorene	ug/L	0.02	120	<0.020	<0.020	<0.020	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
1+2-Methylnaphthalenes	ug/L	0.028	3.2	<0.028	<0.028	<0.028	<0.028
1-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
2-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
Naphthalene	ug/L	0.05	11	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	0.02	1	<0.020	<0.020	<0.020	<0.020
Pyrene	ug/L	0.02	4.1	<0.020	<0.020	<0.020	<0.020
d10-Acenaphthene	%	Surrogate	-	98	92.3	89	99.4
d12-Chrysene	%	Surrogate	-	101.2	95.7	82.6	100.3
d8-Naphthalene	%	Surrogate	-	98.6	95.6	91.2	105.9
d10-Phenanthrene	%	Surrogate	-	105.8	103	100	98.2

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Ground Water/Res

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH210	BH201	EMW8	BH202
8/3/2017		ALS ID		L1916592-10	L1916592-11	L1916592-12	L1916592-13
Multiple Work Orders		Date Sampled		4/21/2017 10:30:00 AM	4/21/2017 11:00:00 AM	4/21/2017 11:30:00 AM	4/21/2017 12:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Conductivity	mS/cm	0.003	-	1.88	1.68	1.75	1.48
pH	pH units	0.1	-	7.49	7.55	7.49	7.37
Chloride (Cl)	mg/L	0.5	790	255 *	245 *	305 *	87.0 *
Cyanide, Weak Acid Diss	ug/L	2	66	<2.0	<2.0	<2.0	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	6	<0.10	0.39	<0.10	0.15
Arsenic (As)-Dissolved	ug/L	0.1	25	5.11	3.01	0.12	1.26
Barium (Ba)-Dissolved	ug/L	0.1	1000	160	148	64.8	160
Beryllium (Be)-Dissolved	ug/L	0.1	4	<0.10	<0.10	<0.10	<0.10
Boron (B)-Dissolved	ug/L	10	5000	203	131	106	388
Cadmium (Cd)-Dissolved	ug/L	0.01	2.7	<0.010	<0.010	<0.010	<0.010
Chromium (Cr)-Dissolved	ug/L	0.5	50	<0.50	<0.50	<0.50	0.51
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	0.11	0.15	<0.10	0.11
Copper (Cu)-Dissolved	ug/L	0.2	87	0.48	0.61	0.41	<0.20
Lead (Pb)-Dissolved	ug/L	0.05	10	0.054	<0.050	<0.050	<0.050
Mercury (Hg)-Dissolved	ug/L	0.01	0.29	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	70	0.43	10.7	0.275	0.756
Nickel (Ni)-Dissolved	ug/L	0.5	100	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Dissolved	ug/L	0.05	10	0.08	0.208	0.078	0.154
Silver (Ag)-Dissolved	ug/L	0.05	1.5	<0.050	<0.050	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	140000 *	170000 *	165000 *	69600
Thallium (Tl)-Dissolved	ug/L	0.01	2	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	0.01	20	0.366	3.71	0.171	1.02
Vanadium (V)-Dissolved	ug/L	0.5	6.2	1.26	0.99	0.73	0.9
Zinc (Zn)-Dissolved	ug/L	1	1100	2.7	1.9	1.6	8.9
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0	<1.0	<1.0
Acetone	ug/L	30	2700	<30	<30	<30	<30
Benzene	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	2	16	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	5	25	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.79	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	0.5	30	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	2	25	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	1	2.4	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	3	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	59	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	5	50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	0.5	2.4	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	0.5	51	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	1800	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	0.5	5.4	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	0.5	24	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	200	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	4.7	<0.50	<0.50	<0.50	<0.50

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH210	BH201	EMW8	BH202
8/3/2017		ALS ID		L1916592-10	L1916592-11	L1916592-12	L1916592-13
Multiple Work Orders		Date Sampled		4/21/2017 10:30:00 AM	4/21/2017 11:00:00 AM	4/21/2017 11:30:00 AM	4/21/2017 12:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Trichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
o-Xylene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	0.5	300	<0.50	<0.50	<0.50	<0.50
4-Bromofluorobenzene	%	Surrogate	-	98	97.2	96.2	97.6
1,4-Difluorobenzene	%	Surrogate	-	101	100.7	101.4	101
F1 (C6-C10)	ug/L	25	750	<25	<25	<25	<25
F1-BTEX	ug/L	25	750	<25	<25	<25	<25
F2 (C10-C16)	ug/L	100	150	<100	<100	<100	<100
F2-Naphth	ug/L	100	-	<100	<100	<100	<100
F3 (C16-C34)	ug/L	250	500	<250	<250	<250	<250
F3-PAH	ug/L	250	-	<250	<250	<250	<250
F4 (C34-C50)	ug/L	250	500	<250	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	370	-	<370	<370	<370	<370
Chrom. to baseline at nC50		n/a	-	YES	YES	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	105	106.1	105.1	103.9
3,4-Dichlorotoluene	%	Surrogate	-	66	69.6	82.8	68.3
Acenaphthene	ug/L	0.02	4.1	<0.020	<0.020	<0.020	0.128
Acenaphthylene	ug/L	0.02	1	<0.020	<0.020	<0.020	<0.020
Anthracene	ug/L	0.02	2.4	<0.020	<0.020	<0.020	0.029
Benzo(a)anthracene	ug/L	0.02	1	<0.020	<0.020	<0.020	0.056
Benzo(a)pyrene	ug/L	0.01	0.01	<0.010	<0.010	<0.010	**0.056**
Benzo(b)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	0.075
Benzo(g,h,i)perylene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	0.038
Benzo(k)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	0.026
Chrysene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	0.055
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.02	0.41	<0.020	<0.020	<0.020	0.125
Fluorene	ug/L	0.02	120	<0.020	<0.020	<0.020	0.043
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	0.038
1+2-Methylnaphthalenes	ug/L	0.028	3.2	<0.028	<0.028	<0.028	<0.028
1-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
2-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
Naphthalene	ug/L	0.05	11	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	0.02	1	<0.020	<0.020	<0.020	0.084
Pyrene	ug/L	0.02	4.1	<0.020	<0.020	<0.020	0.106
d10-Acenaphthene	%	Surrogate	-	91.9	98	89	103.5
d12-Chrysene	%	Surrogate	-	93.9	99.4	92	101.3
d8-Naphthalene	%	Surrogate	-	94	103.3	84.9	92.3
d10-Phenanthrene	%	Surrogate	-	89.5	97.9	86.3	102.3

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Ground Water/Res

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH203	BH204	EMW9	BH205
8/3/2017		ALS ID		L1916592-14	L1916592-15	L1916592-16	L1916592-17
Multiple Work Orders		Date Sampled		4/21/2017 12:30:00 PM	4/21/2017 1:00:00 PM	4/21/2017 1:30:00 PM	4/21/2017 2:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Conductivity	mS/cm	0.003	-	1.32	2.01	0.998	1.54
pH	pH units	0.1	-	7.64	7.63	7.45	7.77
Chloride (Cl)	mg/L	0.5	790	213 *	409 *	84.9	236 *
Cyanide, Weak Acid Diss	ug/L	2	66	<2.0	<2.0	<2.0	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	6	<0.10	<0.10	1.65	<0.10
Arsenic (As)-Dissolved	ug/L	0.1	25	0.71	0.67	0.15	0.47
Barium (Ba)-Dissolved	ug/L	0.1	1000	88.4	169	32.5	67
Beryllium (Be)-Dissolved	ug/L	0.1	4	<0.10	<0.10	<0.10	<0.10
Boron (B)-Dissolved	ug/L	10	5000	52	68	87	24
Cadmium (Cd)-Dissolved	ug/L	0.01	2.7	<0.010	<0.010	0.015	<0.010
Chromium (Cr)-Dissolved	ug/L	0.5	50	<0.50	<0.50	0.52	<0.50
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	0.13	<0.10	0.15	0.28
Copper (Cu)-Dissolved	ug/L	0.2	87	0.92	0.25	1.92	0.43
Lead (Pb)-Dissolved	ug/L	0.05	10	0.058	<0.050	0.062	<0.050
Mercury (Hg)-Dissolved	ug/L	0.01	0.29	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	70	0.52	0.477	2.19	1.09
Nickel (Ni)-Dissolved	ug/L	0.5	100	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Dissolved	ug/L	0.05	10	0.368	<0.050	0.16	0.688
Silver (Ag)-Dissolved	ug/L	0.05	1.5	<0.050	<0.050	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	75000	238000 *	117000 *	176000 *
Thallium (Tl)-Dissolved	ug/L	0.01	2	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	0.01	20	1.01	0.111	0.355	0.835
Vanadium (V)-Dissolved	ug/L	0.5	6.2	1.02	<0.50	<0.50	<0.50
Zinc (Zn)-Dissolved	ug/L	1	1100	1.9	2.3	4.8	1.3
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0	<1.0	<1.0
Acetone	ug/L	30	2700	<30	<30	<30	<30
Benzene	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	2	16	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	5	25	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.79	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	0.5	30	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	2	25	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	1	2.4	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	3	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	59	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	5	50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	0.5	2.4	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	0.5	51	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	1800	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	0.5	5.4	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	0.5	24	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	200	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	4.7	<0.50	<0.50	<0.50	<0.50

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH203	BH204	EMW9	BH205
8/3/2017		ALS ID		L1916592-14	L1916592-15	L1916592-16	L1916592-17
Multiple Work Orders		Date Sampled		4/21/2017 12:30:00 PM	4/21/2017 1:00:00 PM	4/21/2017 1:30:00 PM	4/21/2017 2:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Trichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
o-Xylene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	0.5	300	<0.50	<0.50	<0.50	<0.50
4-Bromofluorobenzene	%	Surrogate	-	97.9	96.9	97.4	97.7
1,4-Difluorobenzene	%	Surrogate	-	100.5	100.6	100.7	100.5
F1 (C6-C10)	ug/L	25	750	<25	<25	<25	<25
F1-BTEX	ug/L	25	750	<25	<25	<25	<25
F2 (C10-C16)	ug/L	100	150	<100	<100	<100	<100
F2-Naphth	ug/L	100	-	<100	<100	<100	<100
F3 (C16-C34)	ug/L	250	500	<250	<250	<250	<250
F3-PAH	ug/L	250	-	<250	<250	<250	<250
F4 (C34-C50)	ug/L	250	500	<250	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	370	-	<370	<370	<370	<370
Chrom. to baseline at nC50		n/a	-	YES	YES	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	107.2	104.8	103.8	104.3
3,4-Dichlorotoluene	%	Surrogate	-	87.2	78.7	80	82.2
Acenaphthene	ug/L	0.02	4.1	0.063	<0.020	<0.020	<0.020
Acenaphthylene	ug/L	0.02	1	<0.020	<0.020	<0.020	<0.020
Anthracene	ug/L	0.02	2.4	<0.020	<0.020	0.033	<0.020
Benzo(a)anthracene	ug/L	0.02	1	<0.020	<0.020	0.04	<0.020
Benzo(a)pyrene	ug/L	0.01	0.01	<0.010	<0.010	**0.031**	<0.010
Benzo(b)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	0.045	<0.020
Benzo(g,h,i)perylene	ug/L	0.02	0.2	<0.020	<0.020	0.031	<0.020
Benzo(k)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Chrysene	ug/L	0.02	0.1	<0.020	<0.020	0.035	<0.020
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.02	0.41	<0.020	<0.020	0.103	<0.020
Fluorene	ug/L	0.02	120	<0.020	<0.020	<0.020	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	<0.020	<0.020	0.028	<0.020
1+2-Methylnaphthalenes	ug/L	0.028	3.2	<0.028	<0.028	<0.028	<0.028
1-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
2-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
Naphthalene	ug/L	0.05	11	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	0.02	1	<0.020	<0.020	0.087	<0.020
Pyrene	ug/L	0.02	4.1	<0.020	<0.020	0.074	<0.020
d10-Acenaphthene	%	Surrogate	-	97.7	99.7	95.6	89
d12-Chrysene	%	Surrogate	-	97.6	98	94.8	91.7
d8-Naphthalene	%	Surrogate	-	97.8	98.9	88.9	83.5
d10-Phenanthrene	%	Surrogate	-	97.3	101.7	95.6	89.6

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Ground Water/Res

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH206	BH207	EMW10	BH208
8/3/2017		ALS ID		L1916592-18	L1916592-19	L1916592-20	L1916592-21
Multiple Work Orders		Date Sampled		4/21/2017 2:30:00 PM	4/21/2017 3:00:00 PM	4/21/2017 3:30:00 PM	4/21/2017 4:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Conductivity	mS/cm	0.003	-	1.48	1.5	1.37	0.929
pH	pH units	0.1	-	7.55	7.71	7.78	7.95
Chloride (Cl)	mg/L	0.5	790	232 *	257 *	301 *	138
Cyanide, Weak Acid Diss	ug/L	2	66	<2.0	<2.0	<2.0	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	6	<0.10	0.11	<0.10	<0.10
Arsenic (As)-Dissolved	ug/L	0.1	25	0.64	0.87	0.82	0.99
Barium (Ba)-Dissolved	ug/L	0.1	1000	99.4	114	126	122
Beryllium (Be)-Dissolved	ug/L	0.1	4	<0.10	<0.10	<0.10	<0.10
Boron (B)-Dissolved	ug/L	10	5000	51	47	37	16
Cadmium (Cd)-Dissolved	ug/L	0.01	2.7	<0.010	<0.010	<0.010	<0.010
Chromium (Cr)-Dissolved	ug/L	0.5	50	<0.50	<0.50	<0.50	<0.50
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	0.47	0.37	<0.10	0.1
Copper (Cu)-Dissolved	ug/L	0.2	87	0.25	1.52	1.03	0.46
Lead (Pb)-Dissolved	ug/L	0.05	10	<0.050	<0.050	0.079	1.44
Mercury (Hg)-Dissolved	ug/L	0.01	0.29	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	70	0.859	0.828	0.241	0.588
Nickel (Ni)-Dissolved	ug/L	0.5	100	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Dissolved	ug/L	0.05	10	4.6	2.55	0.141	<0.050
Silver (Ag)-Dissolved	ug/L	0.05	1.5	<0.050	<0.050	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	87500	82900	39300	39600
Thallium (Tl)-Dissolved	ug/L	0.01	2	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	0.01	20	0.889	1.32	0.047	0.685
Vanadium (V)-Dissolved	ug/L	0.5	6.2	0.84	0.58	<0.50	<0.50
Zinc (Zn)-Dissolved	ug/L	1	1100	<1.0	1	2.8	3.1
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0	<1.0	<1.0
Acetone	ug/L	30	2700	<30	<30	<30	<30
Benzene	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	2	16	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	5	25	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.79	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	0.5	30	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	2	25	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	1	2.4	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	3	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	59	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	0.7	<0.50
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	5	50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	0.5	2.4	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	0.5	51	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	1800	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	0.5	5.4	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	0.5	24	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	200	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	4.7	<0.50	<0.50	<0.50	<0.50

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH206	BH207	EMW10	BH208
8/3/2017		ALS ID		L1916592-18	L1916592-19	L1916592-20	L1916592-21
Multiple Work Orders		Date Sampled		4/21/2017 2:30:00 PM	4/21/2017 3:00:00 PM	4/21/2017 3:30:00 PM	4/21/2017 4:00:00 PM
Analyte		LOR		Water	Water	Water	Water
Trichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	<0.50	0.83	<0.50
o-Xylene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	0.5	300	<0.50	<0.50	<0.50	<0.50
4-Bromofluorobenzene	%	Surrogate	-	95.7	96.9	96.3	96.4
1,4-Difluorobenzene	%	Surrogate	-	100.2	100.9	99.9	101.2
F1 (C6-C10)	ug/L	25	750	<25	<25	<25	<25
F1-BTEX	ug/L	25	750	<25	<25	<25	<25
F2 (C10-C16)	ug/L	100	150	<100	<100	<100	<100
F2-Naphth	ug/L	100	-	<100	<100	<100	<100
F3 (C16-C34)	ug/L	250	500	<250	<250	<250	<250
F3-PAH	ug/L	250	-	<250	<250	<250	<250
F4 (C34-C50)	ug/L	250	500	<250	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	370	-	<370	<370	<370	<370
Chrom. to baseline at nC50		n/a	-	YES	YES	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	103.8	101.7	107.5	102
3,4-Dichlorotoluene	%	Surrogate	-	77	81.5	71.8	80.8
Acenaphthene	ug/L	0.02	4.1	<0.020	<0.020	<0.020	0.081
Acenaphthylene	ug/L	0.02	1	<0.020	<0.020	<0.020	<0.020
Anthracene	ug/L	0.02	2.4	<0.020	<0.020	<0.020	<0.020
Benzo(a)anthracene	ug/L	0.02	1	<0.020	<0.020	<0.020	<0.020
Benzo(a)pyrene	ug/L	0.01	0.01	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Benzo(g,h,i)perylene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
Benzo(k)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Chrysene	ug/L	0.02	0.1	<0.020	<0.020	<0.020	<0.020
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.02	0.41	<0.020	<0.020	<0.020	0.079
Fluorene	ug/L	0.02	120	<0.020	<0.020	<0.020	0.096
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	<0.020	<0.020	<0.020	<0.020
1+2-Methylnaphthalenes	ug/L	0.028	3.2	<0.028	<0.028	<0.028	<0.028
1-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
2-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	<0.020	<0.020
Naphthalene	ug/L	0.05	11	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	0.02	1	<0.020	<0.020	<0.020	0.048
Pyrene	ug/L	0.02	4.1	<0.020	<0.020	<0.020	0.047
d10-Acenaphthene	%	Surrogate	-	99	93.8	97	94.4
d12-Chrysene	%	Surrogate	-	96.9	93.3	98.2	92.8
d8-Naphthalene	%	Surrogate	-	92.6	87.7	92.3	83.5
d10-Phenanthrene	%	Surrogate	-	96.8	89	101.1	84.7

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Ground Water/Res

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	DUP1	DUP2	TRIP BLANK	BH301
8/3/2017		ALS ID		L1916592-22	L1916592-23	L1916592-24	L1954617-1
Multiple Work Orders		Date Sampled		4/21/2017 12:00:00 PM	4/21/2017 4:00:00 PM	4/21/2017 12:00:00 AM	7/5/2017 10:00:00 AM
Analyte		LOR		Water	Water	Water	Water
Conductivity	mS/cm	0.003	-	1.48	0.93	-	0.781
pH	pH units	0.1	-	7.44	8.01	-	8.13
Chloride (Cl)	mg/L	0.5	790	84.6 *	144	-	106
Cyanide, Weak Acid Diss	ug/L	2	66	<2.0	<2.0	-	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD	-	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD	-	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	6	0.14	<0.10	-	0.49
Arsenic (As)-Dissolved	ug/L	0.1	25	1.26	0.99	-	2.59
Barium (Ba)-Dissolved	ug/L	0.1	1000	146	123	-	148
Beryllium (Be)-Dissolved	ug/L	0.1	4	<0.10	<0.10	-	<0.10
Boron (B)-Dissolved	ug/L	10	5000	420	16	-	52
Cadmium (Cd)-Dissolved	ug/L	0.01	2.7	<0.010	<0.010	-	0.015
Chromium (Cr)-Dissolved	ug/L	0.5	50	<0.50	0.62	-	<0.50
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	0.1	<0.10	-	<0.10
Copper (Cu)-Dissolved	ug/L	0.2	87	1	<0.20	-	5.71
Lead (Pb)-Dissolved	ug/L	0.05	10	<0.050	1.02	-	0.425
Mercury (Hg)-Dissolved	ug/L	0.01	0.29	<0.010	<0.010	-	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	70	0.725	0.614	-	34.6
Nickel (Ni)-Dissolved	ug/L	0.5	100	<0.50	<0.50	-	<0.50
Selenium (Se)-Dissolved	ug/L	0.05	10	0.112	<0.050	-	0.163
Silver (Ag)-Dissolved	ug/L	0.05	1.5	<0.050	<0.050	-	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	63300	38900	-	53600
Thallium (Tl)-Dissolved	ug/L	0.01	2	<0.010	<0.010	-	<0.010
Uranium (U)-Dissolved	ug/L	0.01	20	1.01	0.705	-	4.06
Vanadium (V)-Dissolved	ug/L	0.5	6.2	0.78	<0.50	-	1.11
Zinc (Zn)-Dissolved	ug/L	1	1100	6.4	2.5	-	5.9
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0	-	<1.0
Acetone	ug/L	30	2700	<30	<30	<30	<30
Benzene	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	2	16	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	5	25	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.79	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	0.5	30	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	2	25	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	1	2.4	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	3	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	59	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	5	50	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	5	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	0.5	2.4	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	0.5	51	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	1800	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	0.5	5.4	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	1	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	0.5	24	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	200	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	4.7	<0.50	<0.50	<0.50	<0.50

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	DUP1	DUP2	TRIP BLANK	BH301
8/3/2017		ALS ID		L1916592-22	L1916592-23	L1916592-24	L1954617-1
Multiple Work Orders		Date Sampled		4/21/2017 12:00:00 PM	4/21/2017 4:00:00 PM	4/21/2017 12:00:00 AM	7/5/2017 10:00:00 AM
Analyte		LOR		Water	Water	Water	Water
Trichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	<0.50	<0.50	<0.50
o-Xylene	ug/L	0.3	-	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	0.5	300	<0.50	<0.50	<0.50	<0.50
4-Bromofluorobenzene	%	Surrogate	-	95.2	96.4	99.9	97.5
1,4-Difluorobenzene	%	Surrogate	-	100.2	99.7	101.7	100.7
F1 (C6-C10)	ug/L	25	750	<25	<25	<25	<25
F1-BTEX	ug/L	25	750	<25	<25	<25	<25
F2 (C10-C16)	ug/L	100	150	<100	<100	-	<100
F2-Naphth	ug/L	100	-	<100	<100	-	<100
F3 (C16-C34)	ug/L	250	500	<250	<250	-	<250
F3-PAH	ug/L	250	-	<250	<250	-	<250
F4 (C34-C50)	ug/L	250	500	<250	<250	-	<250
Total Hydrocarbons (C6-C50)	ug/L	370	-	<370	<370	-	<370
Chrom. to baseline at nC50		n/a	-	YES	YES	-	YES
2-Bromobenzotrifluoride	%	Surrogate	-	105.5	100.6	-	103
3,4-Dichlorotoluene	%	Surrogate	-	70.3	88.7	90.9	89.1
Acenaphthene	ug/L	0.02	4.1	0.132	0.024	-	<0.020
Acenaphthylene	ug/L	0.02	1	<0.020	<0.020	-	<0.020
Anthracene	ug/L	0.02	2.4	0.035	<0.020	-	<0.020
Benzo(a)anthracene	ug/L	0.02	1	0.063	<0.020	-	<0.020
Benzo(a)pyrene	ug/L	0.01	0.01	**0.068**	<0.010	-	<0.010
Benzo(b)fluoranthene	ug/L	0.02	0.1	0.087	<0.020	-	<0.020
Benzo(g,h,i)perylene	ug/L	0.02	0.2	0.049	<0.020	-	<0.020
Benzo(k)fluoranthene	ug/L	0.02	0.1	0.03	<0.020	-	<0.020
Chrysene	ug/L	0.02	0.1	0.065	<0.020	-	<0.020
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020	-	<0.020
Fluoranthene	ug/L	0.02	0.41	0.151	0.098	-	<0.020
Fluorene	ug/L	0.02	120	0.049	0.033	-	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	0.047	<0.020	-	<0.020
1+2-Methylnaphthalenes	ug/L	0.028	3.2	<0.028	<0.028	-	0.034
1-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	-	<0.020
2-Methylnaphthalene	ug/L	0.02	3.2	<0.020	<0.020	-	0.034
Naphthalene	ug/L	0.05	11	<0.050	<0.050	-	<0.050
Phenanthrene	ug/L	0.02	1	0.101	<0.020	-	<0.020
Pyrene	ug/L	0.02	4.1	0.131	0.06	-	<0.020
d10-Acenaphthene	%	Surrogate	-	98.5	99.5	-	115.6
d12-Chrysene	%	Surrogate	-	96.3	99	-	122.3
d8-Naphthalene	%	Surrogate	-	89.8	94	-	112.5
d10-Phenanthrene	%	Surrogate	-	98.5	90.4	-	119.8

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Ground Water/Res

GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH302	BH303	DUP1
8/3/2017		ALS ID		L1954617-2	L1954617-3	L1954617-5
Multiple Work Orders		Date Sampled		7/5/2017 11:30:00 AM	7/5/2017 9:00:00 AM	7/5/2017 8:00:00 AM
Analyte		LOR		Water	Water	Water
Conductivity	mS/cm	0.003	-	0.588	0.489	0.629
pH	pH units	0.1	-	8.03	8.11	8.1
Chloride (Cl)	mg/L	0.5	790	24.1	40.2	64.4
Cyanide, Weak Acid Diss	ug/L	2	66	<2.0	<2.0	<2.0
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	0.1	6	0.23	0.16	0.1
Arsenic (As)-Dissolved	ug/L	0.1	25	2.04	0.65	0.71
Barium (Ba)-Dissolved	ug/L	0.1	1000	116	42	212
Beryllium (Be)-Dissolved	ug/L	0.1	4	<0.10	<0.10	<0.10
Boron (B)-Dissolved	ug/L	10	5000	67	75	19
Cadmium (Cd)-Dissolved	ug/L	0.01	2.7	<0.010	<0.010	<0.010
Chromium (Cr)-Dissolved	ug/L	0.5	50	<0.50	<0.50	<0.50
Cobalt (Co)-Dissolved	ug/L	0.1	3.8	<0.10	<0.10	<0.10
Copper (Cu)-Dissolved	ug/L	0.2	87	0.21	0.4	0.9
Lead (Pb)-Dissolved	ug/L	0.05	10	<0.050	0.053	0.065
Mercury (Hg)-Dissolved	ug/L	0.01	0.29	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	0.05	70	14.8	10.8	1.3
Nickel (Ni)-Dissolved	ug/L	0.5	100	<0.50	0.53	<0.50
Selenium (Se)-Dissolved	ug/L	0.05	10	0.402	0.325	0.054
Silver (Ag)-Dissolved	ug/L	0.05	1.5	<0.050	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	500	490000	26700	47200	10400
Thallium (Tl)-Dissolved	ug/L	0.01	2	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	0.01	20	1.9	0.757	1.5
Vanadium (V)-Dissolved	ug/L	0.5	6.2	<0.50	0.9	1.78
Zinc (Zn)-Dissolved	ug/L	1	1100	<1.0	3.8	2.4
Chromium, Hexavalent	ug/L	1	25	<1.0	<1.0	<1.0
Acetone	ug/L	30	2700	<30	<30	<30
Benzene	ug/L	0.5	5	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	2	16	<2.0	<2.0	<2.0
Bromoform	ug/L	5	25	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.5	0.89	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.79	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	0.5	30	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	2	25	<2.0	<2.0	<2.0
Chloroform	ug/L	1	2.4	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	0.5	3	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	0.5	59	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	1	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	2	590	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	0.5	5	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	1.6	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	63.8	<0.50
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<0.50	0.55	<0.50
Methylene Chloride	ug/L	5	50	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.5	5	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	0.3	-	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	0.5	2.4	<0.50	<0.50	<0.50
n-Hexane	ug/L	0.5	51	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	20	1800	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	20	640	<20	<20	<20
MTBE	ug/L	2	15	<2.0	<2.0	<2.0
Styrene	ug/L	0.5	5.4	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	ug/L	0.5	1.1	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	1	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50
Toluene	ug/L	0.5	24	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	0.5	200	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	4.7	<0.50	<0.50	<0.50

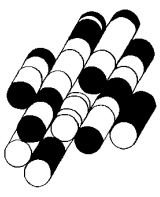
GROUND WATER QUALITY ANALYSIS
51-75 Bradford Street
PROJECT # 1-17-0147-42

ALS	Units	Sample ID	Guideline	BH302	BH303	DUP1
8/3/2017		ALS ID		L1954617-2	L1954617-3	L1954617-5
Multiple Work Orders		Date Sampled		7/5/2017 11:30:00 AM	7/5/2017 9:00:00 AM	7/5/2017 8:00:00 AM
Analyte		LOR		Water	Water	Water
Trichloroethylene	ug/L	0.5	1.6	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	5	150	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	5.49	<0.50
o-Xylene	ug/L	0.3	-	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	0.4	-	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	0.5	300	<0.50	<0.50	<0.50
4-Bromofluorobenzene	%	Surrogate	-	98.2	96.5	96.5
1,4-Difluorobenzene	%	Surrogate	-	103.8	100	101.9
F1 (C6-C10)	ug/L	25	750	<25	<25	<25
F1-BTEX	ug/L	25	750	<25	<25	<25
F2 (C10-C16)	ug/L	100	150	<100	<100	<100
F2-Naphth	ug/L	100	-	<100	<100	<100
F3 (C16-C34)	ug/L	250	500	370	<250	<250
F3-PAH	ug/L	250	-	360	<250	<250
F4 (C34-C50)	ug/L	250	500	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	370	-	<370	<370	<370
Chrom. to baseline at nC50		n/a	-	YES	YES	YES
2-Bromobenzotrifluoride	%	Surrogate	-	108.6	97.3	105.1
3,4-Dichlorotoluene	%	Surrogate	-	94.3	92.7	86.5
Acenaphthene	ug/L	0.02	4.1	3.15	0.026	<0.020
Acenaphthylene	ug/L	0.02	1	0.042	<0.020	<0.020
Anthracene	ug/L	0.02	2.4	0.331	<0.020	<0.020
Benzo(a)anthracene	ug/L	0.02	1	0.045	0.023	<0.020
Benzo(a)pyrene	ug/L	0.01	0.01	0.015	<0.010	<0.010
Benzo(b)fluoranthene	ug/L	0.02	0.1	0.025	0.037	<0.020
Benzo(g,h,i)perylene	ug/L	0.02	0.2	<0.020	<0.020	<0.020
Benzo(k)fluoranthene	ug/L	0.02	0.1	<0.020	<0.020	<0.020
Chrysene	ug/L	0.02	0.1	0.038	<0.042 *	<0.020
Dibenzo(ah)anthracene	ug/L	0.02	0.2	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.02	0.41	0.444	0.241	<0.020
Fluorene	ug/L	0.02	120	1.89	0.05	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.02	0.2	<0.020	<0.020	<0.020
1+2-Methylnaphthalenes	ug/L	0.028	3.2	3.95	<0.028	<0.028
1-Methylnaphthalene	ug/L	0.02	3.2	1.55	<0.020	<0.020
2-Methylnaphthalene	ug/L	0.02	3.2	2.4	<0.020	<0.020
Naphthalene	ug/L	0.05	11	8.74 *	<0.050	<0.050
Phenanthrene	ug/L	0.02	1	2.39	0.442	<0.020
Pyrene	ug/L	0.02	4.1	0.277	0.105	<0.020
d10-Acenaphthene	%	Surrogate	-	122.1	111.9	114.4
d12-Chrysene	%	Surrogate	-	126.4	117.7	123.2
d8-Naphthalene	%	Surrogate	-	112.1	107.9	109.9
d10-Phenanthrene	%	Surrogate	-	126.1	112.9	116.8

Legend	
*	Result Qualified. Refer to Certificate of Analysis for Details
Exceeds one Criteria	Result
Exceeds two Criteria	Result
DL > Criteria	Result
Guideline	Reg153/04 T2-Ground Water/Res

APPENDIX F

TERRAPROBE INC.



TERRAPROBE - BRAMPTON
ATTN: Suvish Melanta
11 Indell Lane
Brampton ON L6T 3Y3

Date Received: 18-APR-17
Report Date: 25-APR-17 14:19 (MT)
Version: FINAL

Client Phone: 905-796-2650

Certificate of Analysis

Lab Work Order #: L1914068

Project P.O. #: NOT SUBMITTED
Job Reference: 1-17-0147
C of C Numbers:
Legal Site Desc: n/a

Emerson Perez, B.S.E
Account Manager

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Summary of Guideline Exceedances

Guideline ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T2-Soil-Res/Park/Inst. Property Use (Coarse)						
L1914068-2	BH201-SS8	Volatile Organic Compounds	Bromomethane	<0.15	0.05	ug/g
			Carbon tetrachloride	<0.15	0.05	ug/g
			Chloroform	<0.15	0.05	ug/g
			1,2-Dibromoethane	<0.15	0.05	ug/g
			1,4-Dichlorobenzene	<0.15	0.083	ug/g
			1,2-Dichloroethane	<0.15	0.05	ug/g
			1,1-Dichloroethylene	<0.15	0.05	ug/g
			trans-1,2-Dichloroethylene	<0.15	0.084	ug/g
			Methylene Chloride	<0.15	0.1	ug/g
			1,2-Dichloropropane	<0.15	0.05	ug/g
			1,3-Dichloropropene (cis & trans)	<0.13	0.05	ug/g
			1,1,1,2-Tetrachloroethane	<0.15	0.058	ug/g
			1,1,2,2-Tetrachloroethane	<0.15	0.05	ug/g
			1,1,2-Trichloroethane	<0.15	0.05	ug/g
			Trichloroethylene	0.065	0.061	ug/g
			Vinyl chloride	<0.060	0.02	ug/g
		Polycyclic Aromatic Hydrocarbons	Dibenzo(ah)anthracene	<0.15	0.1	ug/g
L1914068-3	BH201-SS12	Saturated Paste Extractables	SAR	5.26	5	SAR
L1914068-7	BH202-SS9	Volatile Organic Compounds	Bromomethane	<0.25	0.05	ug/g
			Carbon tetrachloride	<0.25	0.05	ug/g
			Chloroform	<0.25	0.05	ug/g
			1,2-Dibromoethane	<0.25	0.05	ug/g
			1,4-Dichlorobenzene	<0.25	0.083	ug/g
			1,2-Dichloroethane	<0.25	0.05	ug/g
			1,1-Dichloroethylene	<0.25	0.05	ug/g
			trans-1,2-Dichloroethylene	<0.25	0.084	ug/g
			Methylene Chloride	<0.25	0.1	ug/g
			1,2-Dichloropropane	<0.25	0.05	ug/g
			1,3-Dichloropropene (cis & trans)	<0.21	0.05	ug/g
			Methyl Isobutyl Ketone	<2.5	1.7	ug/g
			1,1,1,2-Tetrachloroethane	<0.25	0.058	ug/g
			1,1,2,2-Tetrachloroethane	<0.25	0.05	ug/g
			1,1,2-Trichloroethane	<0.25	0.05	ug/g
			Vinyl chloride	<0.10	0.02	ug/g
L1914068-12	BH203-SS6	Volatile Organic Compounds	Bromomethane	<0.10	0.05	ug/g

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Summary of Guideline Exceedances

Guideline ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T2-Soil-Res/Park/Inst. Property Use (Coarse)						
L1914068-12	BH203-SS6	Volatile Organic Compounds	Carbon tetrachloride	<0.10	0.05	ug/g
			Chloroform	<0.10	0.05	ug/g
			1,2-Dibromoethane	<0.10	0.05	ug/g
			1,4-Dichlorobenzene	<0.10	0.083	ug/g
			1,2-Dichloroethane	<0.10	0.05	ug/g
			1,1-Dichloroethylene	<0.10	0.05	ug/g
			trans-1,2-Dichloroethylene	<0.10	0.084	ug/g
			1,2-Dichloropropane	<0.10	0.05	ug/g
			1,3-Dichloropropene (cis & trans)	<0.085	0.05	ug/g
			1,1,1,2-Tetrachloroethane	<0.10	0.058	ug/g
			1,1,2,2-Tetrachloroethane	<0.10	0.05	ug/g
			1,1,2-Trichloroethane	<0.10	0.05	ug/g
			Vinyl chloride	<0.040	0.02	ug/g
		Hydrocarbons	F3 (C16-C34)	756	300	ug/g
L1914068-20	BH205-SS2	Polycyclic Aromatic Hydrocarbons	Benzo(a)anthracene	0.974	0.5	ug/g
			Benzo(a)pyrene	0.842	0.3	ug/g
			Benzo(b)fluoranthene	1.14	0.78	ug/g
			Dibenzo(ah)anthracene	0.143	0.1	ug/g
			Fluoranthene	2.70	0.69	ug/g
			Indeno(1,2,3-cd)pyrene	0.540	0.38	ug/g
L1914068-24	BH206-SS1	Polycyclic Aromatic Hydrocarbons	1+2-Methylnaphthalenes	1.16	0.99	ug/g
L1914068-25	BH206-SS2	Metals	Barium (Ba)	1310	390	ug/g
			Chromium (Cr)	173	160	ug/g
L1914068-31	BH207-SS4	Volatile Organic Compounds	Bromomethane	<0.075	0.05	ug/g
			Carbon tetrachloride	<0.075	0.05	ug/g
			Chloroform	<0.075	0.05	ug/g
			1,2-Dibromoethane	<0.075	0.05	ug/g
			1,2-Dichloroethane	<0.075	0.05	ug/g
			1,1-Dichloroethylene	<0.075	0.05	ug/g
			1,2-Dichloropropane	<0.075	0.05	ug/g
			1,3-Dichloropropene (cis & trans)	<0.064	0.05	ug/g
			1,1,1,2-Tetrachloroethane	<0.075	0.058	ug/g
			1,1,2,2-Tetrachloroethane	<0.075	0.05	ug/g
			1,1,2-Trichloroethane	<0.075	0.05	ug/g
			Vinyl chloride	<0.030	0.02	ug/g

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Summary of Guideline Exceedances

Guideline ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T2-Soil-Res/Park/Inst. Property Use (Coarse)						
L1914068-35	BH208-SS4	Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.375	0.3	ug/g
			Fluoranthene	1.06	0.69	ug/g
			1+2-Methylnaphthalenes	2.32	0.99	ug/g
			2-Methylnaphthalene	1.36	0.99	ug/g
			Naphthalene	0.891	0.6	ug/g
L1914068-36	BH208-SS6	Volatile Organic Compounds	Bromomethane	<0.15	0.05	ug/g
			Carbon tetrachloride	<0.15	0.05	ug/g
			Chloroform	<0.15	0.05	ug/g
			1,2-Dibromoethane	<0.15	0.05	ug/g
			1,4-Dichlorobenzene	<0.15	0.083	ug/g
			1,2-Dichloroethane	<0.15	0.05	ug/g
			1,1-Dichloroethylene	<0.15	0.05	ug/g
			trans-1,2-Dichloroethylene	<0.15	0.084	ug/g
			Methylene Chloride	<0.15	0.1	ug/g
			1,2-Dichloropropane	<0.15	0.05	ug/g
			1,3-Dichloropropene (cis & trans)	<0.13	0.05	ug/g
			1,1,1,2-Tetrachloroethane	<0.15	0.058	ug/g
			1,1,2,2-Tetrachloroethane	<0.15	0.05	ug/g
			1,1,2-Trichloroethane	<0.15	0.05	ug/g
			Vinyl chloride	<0.060	0.02	ug/g
L1914068-41	BH209-SS8	Volatile Organic Compounds	Bromomethane	<0.10	0.05	ug/g
			Carbon tetrachloride	<0.10	0.05	ug/g
			Chloroform	<0.10	0.05	ug/g
			1,2-Dibromoethane	<0.10	0.05	ug/g
			1,4-Dichlorobenzene	<0.10	0.083	ug/g
			1,2-Dichloroethane	<0.10	0.05	ug/g
			1,1-Dichloroethylene	<0.10	0.05	ug/g
			trans-1,2-Dichloroethylene	<0.10	0.084	ug/g
			1,2-Dichloropropane	<0.10	0.05	ug/g
			1,3-Dichloropropene (cis & trans)	<0.085	0.05	ug/g
			1,1,1,2-Tetrachloroethane	<0.10	0.058	ug/g
			1,1,2,2-Tetrachloroethane	<0.10	0.05	ug/g
			1,1,2-Trichloroethane	<0.10	0.05	ug/g
			Vinyl chloride	<0.040	0.02	ug/g
L1914068-44	BH210-SS1	Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.367	0.3	ug/g
L1914068-46	BH210-SS6					

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Summary of Guideline Exceedances

Guideline ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T2-Soil-Res/Park/Inst. Property Use (Coarse)						
L1914068-46	BH210-SS6	Volatile Organic Compounds	Bromomethane	<0.10	0.05	ug/g
			Carbon tetrachloride	<0.10	0.05	ug/g
			Chloroform	<0.10	0.05	ug/g
			1,2-Dibromoethane	<0.10	0.05	ug/g
			1,4-Dichlorobenzene	<0.10	0.083	ug/g
			1,2-Dichloroethane	<0.10	0.05	ug/g
			1,1-Dichloroethylene	<0.10	0.05	ug/g
			trans-1,2-Dichloroethylene	<0.10	0.084	ug/g
			1,2-Dichloropropane	<0.10	0.05	ug/g
			1,3-Dichloropropene (cis & trans)	<0.085	0.05	ug/g
			1,1,1,2-Tetrachloroethane	<0.10	0.058	ug/g
			1,1,2,2-Tetrachloroethane	<0.10	0.05	ug/g
			1,1,2-Trichloroethane	<0.10	0.05	ug/g
			Vinyl chloride	<0.040	0.02	ug/g
L1914068-50	DUP 2	Polycyclic Aromatic Hydrocarbons	Fluoranthene	0.903	0.69	ug/g

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Physical Tests - SOIL

		Guide Limits								
Lab ID				L1914068-1	L1914068-2	L1914068-3	L1914068-4	L1914068-5	L1914068-6	L1914068-7	L1914068-8	L1914068-9
Sample Date				10-APR-17	10-APR-17	10-APR-17	10-APR-17	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17
Sample ID				BH201-SS1	BH201-SS8	BH201-SS12	BH201-SS13	BH202-SS1	BH202-SS2	BH202-SS9	BH202-SS12	BH202-SS13
Analyte	**Unit**	**#1**	**#2**									
Conductivity	mS/cm	0.7	-	0.153		0.231			0.144		0.148	
% Moisture	%	-	-	11.7	74.9	18.4	18.4	11.2	9.06	80.9	17.2	18.6
pH	pH units	-	-	7.47		7.82			7.65		7.83	

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - SOIL

				Lab ID	L1914068-10	L1914068-11	L1914068-12	L1914068-13	L1914068-14	L1914068-15	L1914068-16	L1914068-17	L1914068-18
				Sample Date	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH203-SS3	BH203-SS5	BH203-SS6	BH203-SS12	BH203-SS13	BH204-SS2	BH204-SS4	BH204-SS5	BH204-SS12
Analyte	Unit	Guide Limits #1	Guide Limits #2										
Conductivity	mS/cm	0.7	-		0.114			0.155			0.235		0.276
% Moisture	%	-	-		14.4	37.1	59.1	18.1	18.5	7.24	5.58	21.8	14.6
pH	pH units	-	-		7.58			7.88			7.81		7.93

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - SOIL

		Guide Limits									
Lab ID				L1914068-19	L1914068-20	L1914068-21	L1914068-22	L1914068-23	L1914068-24	L1914068-25	L1914068-26	L1914068-27
Sample Date				11-APR-17	11-APR-17	11-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17
Sample ID				BH205-SS1	BH205-SS2	BH205-SS4	BH205-SS12	BH205-SS13	BH206-SS1	BH206-SS2	BH206-SS3	BH206-SS12
Analyte	**Unit**	**#1**	**#2**									
Conductivity	mS/cm	0.7	-	0.138				0.169		0.223		0.0998
% Moisture	%	-	-	10.2	4.71	16.0	19.8	17.5	20.3	24.2	29.8	19.2
pH	pH units	-	-	7.51				7.96		7.61		7.85

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID						
				L1914068-28	L1914068-29	L1914068-30	L1914068-31	L1914068-32	L1914068-33	L1914068-34	L1914068-35	L1914068-36
				12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17
				BH206-SS13	BH207-SS1	BH207-SS2	BH207-SS4	BH207-SS12	BH207-SS13	BH208-SS2	BH208-SS4	BH208-SS6
Conductivity	mS/cm	0.7	-		0.117			0.173		0.0881		
% Moisture	%	-	-	16.9	9.72	11.2	54.1	18.9	17.6	15.0	15.9	77.8
pH	pH units	-	-		7.58			7.84		7.65		

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - SOIL

			Lab ID	L1914068-37	L1914068-38	L1914068-39	L1914068-40	L1914068-41	L1914068-42	L1914068-43	L1914068-44	L1914068-45
			Sample Date	13-APR-17	13-APR-17	13-APR-17	13-APR-17	13-APR-17	13-APR-17	13-APR-17	13-APR-17	13-APR-17
			Sample ID	BH208-SS14	BH208-SS16	BH209-SS2	BH209-SS3	BH209-SS8	BH209-SS17	BH209-SS18	BH210-SS1	BH210-SS2
Analyte	Unit	Guide Limits #1	#2									
Conductivity	mS/cm	0.7	-	0.119			0.150		0.141			0.206
% Moisture	%	-	-	17.2	15.4	8.61	10.7	65.4	17.0	19.1	27.5	10.2
pH	pH units	-	-	7.99			7.34		7.85			7.44

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Physical Tests - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID						
				L1914068-46	L1914068-47	L1914068-48	L1914068-49	L1914068-50	L1914068-51	L1914068-52	L1914068-53	L1914068-54
				13-APR-17	13-APR-17	13-APR-17	11-APR-17	11-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17
				BH210-SS6	BH210-SS12	BH210-SS13	DUP 1	DUP 2	DUP 3	DUP 4	DUP 5	DUP 6
Conductivity	mS/cm	0.7	-		0.168		0.123					0.148
% Moisture	%	-	-	60.2	18.9	17.5	10.9	4.52	19.2	19.7	9.25	11.4
pH	pH units	-	-		7.99		7.43					7.29

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID: L1914068-55	Lab ID: L1914068-56
				Sample Date: 13-APR-17	Sample Date: 13-APR-17
				Sample ID: DUP 7	Sample ID: DUP 8
Conductivity	mS/cm	0.7	-		
% Moisture	%	-	-	21.7	20.6
pH	pH units	-	-		

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Cyanides - SOIL

		Guide Limits									
				Lab ID	L1914068-1	L1914068-3	L1914068-6	L1914068-8	L1914068-10	L1914068-13	L1914068-16	L1914068-18	L1914068-19
				Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH201-SS1	BH201-SS12	BH202-SS2	BH202-SS12	BH203-SS3	BH203-SS12	BH204-SS4	BH204-SS12	BH205-SS1
Analyte	Unit	#1	#2										
Cyanide, Weak Acid Diss	ug/g	0.051	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Cyanides - SOIL

		Guide Limits									
Lab ID				L1914068-23	L1914068-25	L1914068-27	L1914068-29	L1914068-32	L1914068-34	L1914068-37	L1914068-40	L1914068-42
Sample Date				12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
Sample ID				BH205-SS13	BH206-SS2	BH206-SS12	BH207-SS1	BH207-SS12	BH208-SS2	BH208-SS14	BH209-SS3	BH209-SS17
Analyte	**Unit**	**#1**	**#2**									
Cyanide, Weak Acid Diss	ug/g	0.051	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

ANALYTICAL REPORT

Cyanides - SOIL

		Guide Limits					
				Lab ID	L1914068-45	L1914068-47	L1914068-49	L1914068-54
				Sample Date	13-APR-17	13-APR-17	11-APR-17	13-APR-17
				Sample ID	BH210-SS2	BH210-SS12	DUP 1	DUP 6
Analyte	Unit	#1	#2					
Cyanide, Weak Acid Diss	ug/g	0.051	-		<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Saturated Paste Extractables - SOIL

	Lab ID	L1914068-1	L1914068-3	L1914068-6	L1914068-8	L1914068-10	L1914068-13	L1914068-16	L1914068-18	L1914068-19
	Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
	Sample ID	BH201-SS1	BH201-SS12	BH202-SS2	BH202-SS12	BH203-SS3	BH203-SS12	BH204-SS4	BH204-SS12	BH205-SS1
Analyte	Unit	Guide Limits #1	Guide Limits #2							
SAR	SAR	5	-	0.15 SAR:M	5.26 SAR:M	0.66 SAR:M	2.36 SAR:M	0.20 SAR:M	1.72 SAR:M	0.33	3.52 SAR:M	<0.10 SAR:M
Calcium (Ca)	mg/L	-	-	14.9	3.0	8.3	2.4	7.0	3.1	19.4	6.6	10.5
Magnesium (Mg)	mg/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.6	<1.0	<1.0
Sodium (Na)	mg/L	-	-	2.1	33.1	6.9	13.1	1.9	10.9	5.8	32.9	1.1

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Saturated Paste Extractables - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1914068-23	L1914068-25	L1914068-27	L1914068-29	L1914068-32	L1914068-34	L1914068-37	L1914068-40	L1914068-42
				Sample Date	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
				Sample ID	BH205-SS13	BH206-SS2	BH206-SS12	BH207-SS1	BH207-SS12	BH208-SS2	BH208-SS14	BH209-SS3	BH209-SS17
SAR	SAR	5	-		2.78 SAR:M	1.27 SAR:M	0.50 SAR:M	<0.10 SAR:DL	1.26 SAR:M	0.18 SAR:M	0.87 SAR:M	0.30 SAR:M	0.55
Calcium (Ca)	mg/L	-	-		2.8	12.1	2.6	8.0	6.9	3.6	3.4	15.6	4.2
Magnesium (Mg)	mg/L	-	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5
Sodium (Na)	mg/L	-	-		16.9	16.1	3.0	<1.0	12.0	1.2	5.8	4.3	5.2

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Saturated Paste Extractables - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID: L1914068-45	Lab ID: L1914068-47	Lab ID: L1914068-49	Lab ID: L1914068-54
				Sample Date: 13-APR-17	Sample Date: 13-APR-17	Sample Date: 11-APR-17	Sample Date: 13-APR-17
				Sample ID: BH210-SS2	Sample ID: BH210-SS12	Sample ID: DUP 1	Sample ID: DUP 6
SAR	SAR	5	-	1.01 SAR:M	2.43 SAR:M	<0.10 SAR:M	0.25 SAR:M
Calcium (Ca)	mg/L	-	-	17.0	2.9	9.3	15.3
Magnesium (Mg)	mg/L	-	-	<1.0	<1.0	<1.0	<1.0
Sodium (Na)	mg/L	-	-	15.1	15.0	1.1	3.6

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Metals - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1914068-1	L1914068-3	L1914068-6	L1914068-8	L1914068-10	L1914068-13	L1914068-16	L1914068-18	L1914068-19
				Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH201-SS1	BH201-SS12	BH202-SS2	BH202-SS12	BH203-SS3	BH203-SS12	BH204-SS4	BH204-SS12	BH205-SS1
Antimony (Sb)	ug/g	7.5	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic (As)	ug/g	18	-		1.5	<1.0	1.5	<1.0	1.3	<1.0	2.2	<1.0	1.4
Barium (Ba)	ug/g	390	-		65.4	8.5	81.4	9.5	35.3	9.8	62.4	8.5	73.3
Beryllium (Be)	ug/g	4	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Boron (B)	ug/g	120	-		5.7	<5.0	7.6	<5.0	<5.0	<5.0	6.2	<5.0	6.2
Boron (B), Hot Water Ext.	ug/g	1.5	-		0.13	<0.10	<0.10	<0.10	<0.10	<0.10	0.50	<0.10	0.10
Cadmium (Cd)	ug/g	1.2	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium (Cr)	ug/g	160	-		15.5	6.6	18.6	6.8	10.8	7.0	110	5.2	17.7
Cobalt (Co)	ug/g	22	-		4.6	1.5	6.1	1.6	3.3	1.6	1.9	1.2	5.6
Copper (Cu)	ug/g	140	-		8.3	1.6	11.7	1.6	6.3	1.6	12.6	1.5	10.3
Lead (Pb)	ug/g	120	-		6.9	<1.0	4.3	<1.0	13.5	<1.0	25.0	<1.0	5.2
Mercury (Hg)	ug/g	0.27	-		0.0243	<0.0050	0.0147	<0.0050	0.0352	<0.0050	0.0557	<0.0050	0.0161
Molybdenum (Mo)	ug/g	6.9	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nickel (Ni)	ug/g	100	-		8.5	2.6	11.3	2.8	5.6	2.6	4.1	2.3	10.1
Selenium (Se)	ug/g	2.4	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver (Ag)	ug/g	20	-		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium (Tl)	ug/g	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Uranium (U)	ug/g	23	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium (V)	ug/g	86	-		29.4	20.6	36.4	20.7	27.0	21.1	17.5	14.8	35.4
Zinc (Zn)	ug/g	340	-		29.8	6.3	32.0	7.0	25.8	6.4	97.7	7.0	32.0

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Metals - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1914068-23	L1914068-25	L1914068-27	L1914068-29	L1914068-32	L1914068-34	L1914068-37	L1914068-40	L1914068-42
				Sample Date	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
				Sample ID	BH205-SS13	BH206-SS2	BH206-SS12	BH207-SS1	BH207-SS12	BH208-SS2	BH208-SS14	BH209-SS3	BH209-SS17
Antimony (Sb)	ug/g	7.5	-		<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic (As)	ug/g	18	-		<1.0	15.0	<1.0	1.2	<1.0	<1.0	<1.0	1.6	<1.0
Barium (Ba)	ug/g	390	-		10.2	1310	20.1	42.3	10.0	16.2	9.6	68.4	30.6
Beryllium (Be)	ug/g	4	-		<0.50	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Boron (B)	ug/g	120	-		<5.0	23.3	<5.0	<5.0	<5.0	<5.0	<5.0	5.6	<5.0
Boron (B), Hot Water Ext.	ug/g	1.5	-		<0.10	0.36	<0.10	<0.10	0.11	<0.10	<0.10	0.14	0.10
Cadmium (Cd)	ug/g	1.2	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium (Cr)	ug/g	160	-		5.2	173	7.9	12.9	5.4	7.7	7.0	16.1	9.8
Cobalt (Co)	ug/g	22	-		1.4	5.7	2.2	3.9	1.5	2.2	1.3	4.7	2.8
Copper (Cu)	ug/g	140	-		1.9	54.1	2.8	6.0	1.6	3.7	1.8	8.3	4.5
Lead (Pb)	ug/g	120	-		<1.0	63.6	1.3	3.6	<1.0	1.7	<1.0	10.8	1.6
Mercury (Hg)	ug/g	0.27	-		<0.0050	0.0694	<0.0050	0.0134	<0.0050	0.0086	<0.0050	0.0262	<0.0050
Molybdenum (Mo)	ug/g	6.9	-		<1.0	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nickel (Ni)	ug/g	100	-		2.6	14.9	4.2	6.9	3.0	3.9	2.2	8.9	5.5
Selenium (Se)	ug/g	2.4	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver (Ag)	ug/g	20	-		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium (Tl)	ug/g	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Uranium (U)	ug/g	23	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium (V)	ug/g	86	-		13.2	21.9	19.2	28.8	16.0	23.1	20.3	29.9	19.9
Zinc (Zn)	ug/g	340	-		6.6	236	10.2	20.9	6.2	10.3	5.4	29.9	12.8

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Metals - SOIL

			Lab ID	L1914068-45	L1914068-47	L1914068-49	L1914068-54
			Sample Date	13-APR-17	13-APR-17	11-APR-17	13-APR-17
			Sample ID	BH210-SS2	BH210-SS12	DUP 1	DUP 6
		Guide Limits					
Analyte	Unit	#1	#2				
Antimony (Sb)	ug/g	7.5	-	<1.0	<1.0	<1.0	<1.0
Arsenic (As)	ug/g	18	-	1.6	<1.0	1.3	1.6
Barium (Ba)	ug/g	390	-	77.0	7.0	83.2	73.9
Beryllium (Be)	ug/g	4	-	<0.50	<0.50	<0.50	<0.50
Boron (B)	ug/g	120	-	5.8	<5.0	6.6	5.6
Boron (B), Hot Water Ext.	ug/g	1.5	-	0.15	<0.10	<0.10	0.13
Cadmium (Cd)	ug/g	1.2	-	<0.50	<0.50	<0.50	<0.50
Chromium (Cr)	ug/g	160	-	15.8	4.5	17.5	15.3
Cobalt (Co)	ug/g	22	-	4.8	1.1	5.6	4.8
Copper (Cu)	ug/g	140	-	8.4	1.3	10.3	8.1
Lead (Pb)	ug/g	120	-	7.2	<1.0	4.9	9.5
Mercury (Hg)	ug/g	0.27	-	0.0226	<0.0050	0.0147	0.0236
Molybdenum (Mo)	ug/g	6.9	-	<1.0	<1.0	<1.0	<1.0
Nickel (Ni)	ug/g	100	-	8.9	2.0	10.0	8.8
Selenium (Se)	ug/g	2.4	-	<1.0	<1.0	<1.0	<1.0
Silver (Ag)	ug/g	20	-	<0.20	<0.20	<0.20	<0.20
Thallium (Tl)	ug/g	1	-	<0.50	<0.50	<0.50	<0.50
Uranium (U)	ug/g	23	-	<1.0	<1.0	<1.0	<1.0
Vanadium (V)	ug/g	86	-	32.5	13.6	34.8	31.5
Zinc (Zn)	ug/g	340	-	31.5	<5.0	31.0	30.3

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Speciated Metals - SOIL

		Guide Limits									
				Lab ID	L1914068-1	L1914068-3	L1914068-6	L1914068-8	L1914068-10	L1914068-13	L1914068-16	L1914068-18	L1914068-19
				Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH201-SS1	BH201-SS12	BH202-SS2	BH202-SS12	BH203-SS3	BH203-SS12	BH204-SS4	BH204-SS12	BH205-SS1
Analyte	Unit	#1	#2										
Chromium, Hexavalent	ug/g	8	-	<0.20	<0.20	0.32	<0.20	0.25	<0.20	2.28	<0.20	0.40

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Speciated Metals - SOIL

		Guide Limits									
Lab ID				L1914068-23	L1914068-25	L1914068-27	L1914068-29	L1914068-32	L1914068-34	L1914068-37	L1914068-40	L1914068-42
Sample Date				12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
Sample ID				BH205-SS13	BH206-SS2	BH206-SS12	BH207-SS1	BH207-SS12	BH208-SS2	BH208-SS14	BH209-SS3	BH209-SS17
Analyte	**Unit**	**#1**	**#2**									
Chromium, Hexavalent	ug/g	8	-	<0.20	1.59	<0.20	0.34	0.23	<0.20	<0.20	<0.20	<0.20

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Speciated Metals - SOIL

		Guide Limits					
				Lab ID	L1914068-45	L1914068-47	L1914068-49	L1914068-54
				Sample Date	13-APR-17	13-APR-17	11-APR-17	13-APR-17
				Sample ID	BH210-SS2	BH210-SS12	DUP 1	DUP 6
Analyte	Unit	#1	#2					
Chromium, Hexavalent	ug/g	8	-		<0.20	0.27	0.36	<0.20

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1914068-2	L1914068-4	L1914068-7	L1914068-9	L1914068-12	L1914068-14	L1914068-17	L1914068-18	L1914068-21
				Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH201-SS8	BH201-SS13	BH202-SS9	BH202-SS13	BH203-SS6	BH203-SS13	BH204-SS5	BH204-SS12	BH205-SS4
Acetone	ug/g	16	-		<1.5 DLHM	<0.50	8.3 DLHM	<0.50	3.5 DLHM	<0.50	<0.50	<0.50	<0.50
Benzene	ug/g	0.21	-		<0.020 DLHM	<0.0068	<0.034 DLHM	<0.0068	<0.014 DLHM	<0.0068	<0.0068	<0.0068	<0.0068
Bromodichloromethane	ug/g	1.5	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Bromoform	ug/g	0.27	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Bromomethane	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Carbon tetrachloride	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Chlorobenzene	ug/g	2.4	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Dibromochloromethane	ug/g	2.3	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Chloroform	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,2-Dibromoethane	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,2-Dichlorobenzene	ug/g	1.2	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,3-Dichlorobenzene	ug/g	4.8	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,4-Dichlorobenzene	ug/g	0.083	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Dichlorodifluoromethane	ug/g	16	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,1-Dichloroethane	ug/g	0.47	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,2-Dichloroethane	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,1-Dichloroethylene	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
cis-1,2-Dichloroethylene	ug/g	1.9	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
trans-1,2-Dichloroethylene	ug/g	0.084	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Methylene Chloride	ug/g	0.1	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,2-Dichloropropane	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
cis-1,3-Dichloropropene	ug/g	-	-		<0.090 DLHM	<0.030	<0.15 DLHM	<0.030	<0.060 DLHM	<0.030	<0.030	<0.030	<0.030
trans-1,3-Dichloropropene	ug/g	-	-		<0.090 DLHM	<0.030	<0.15 DLHM	<0.030	<0.060 DLHM	<0.030	<0.030	<0.030	<0.030
1,3-Dichloropropene (cis & trans)	ug/g	0.05	-		<0.13	<0.042	<0.21	<0.042	<0.085	<0.042	<0.042	<0.042	<0.042
Ethylbenzene	ug/g	1.1	-		<0.054 DLHM	<0.018	<0.090 DLHM	<0.018	<0.036 DLHM	<0.018	<0.018	<0.018	<0.018
n-Hexane	ug/g	2.8	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Methyl Ethyl Ketone	ug/g	16	-		<1.5 DLHM	<0.50	<3.0 DLHM	<0.50	1.1 DLHM	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g	1.7	-		<1.5 DLHM	<0.50	<2.5 DLHM	<0.50	<1.0 DLHM	<0.50	<0.50	<0.50	<0.50
MTBE	ug/g	0.75	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Styrene	ug/g	0.7	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

		Guide Limits									
Lab ID				L1914068-22	L1914068-26	L1914068-28	L1914068-31	L1914068-33	L1914068-36	L1914068-38	L1914068-41	L1914068-43
Sample Date				12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
Sample ID				BH205-SS12	BH206-SS3	BH206-SS13	BH207-SS4	BH207-SS13	BH208-SS6	BH208-SS16	BH209-SS8	BH209-SS18
Analyte	**Unit**	**#1**	**#2**									
Acetone	ug/g	16	-	<0.50	0.51	<0.50	<1.0 DLHM	<0.50	3.2 DLHM	<0.50	3.3 DLHM	<0.50
Benzene	ug/g	0.21	-	<0.0068	<0.0068	<0.0068	<0.010 DLHM	<0.0068	<0.020 DLHM	<0.0068	<0.014 DLHM	<0.0068
Bromodichloromethane	ug/g	1.5	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Bromoform	ug/g	0.27	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Bromomethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Carbon tetrachloride	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Chlorobenzene	ug/g	2.4	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Dibromochloromethane	ug/g	2.3	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Chloroform	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,2-Dibromoethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,2-Dichlorobenzene	ug/g	1.2	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,3-Dichlorobenzene	ug/g	4.8	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,4-Dichlorobenzene	ug/g	0.083	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Dichlorodifluoromethane	ug/g	16	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,1-Dichloroethane	ug/g	0.47	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,2-Dichloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,1-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
cis-1,2-Dichloroethylene	ug/g	1.9	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
trans-1,2-Dichloroethylene	ug/g	0.084	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Methylene Chloride	ug/g	0.1	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,2-Dichloropropane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
cis-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030	<0.030	<0.045 DLHM	<0.030	<0.090 DLHM	<0.030	<0.060 DLHM	<0.030
trans-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030	<0.030	<0.045 DLHM	<0.030	<0.090 DLHM	<0.030	<0.060 DLHM	<0.030
1,3-Dichloropropene (cis & trans)	ug/g	0.05	-	<0.042	<0.042	<0.042	<0.064	<0.042	<0.13	<0.042	<0.085	<0.042
Ethylbenzene	ug/g	1.1	-	<0.018	<0.018	<0.018	<0.027 DLHM	<0.018	<0.054 DLHM	<0.018	<0.036 DLHM	<0.018
n-Hexane	ug/g	2.8	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Methyl Ethyl Ketone	ug/g	16	-	<0.50	<0.50	<0.50	<0.75 DLHM	<0.50	<1.5 DLHM	<0.50	<1.0 DLHM	<0.50
Methyl Isobutyl Ketone	ug/g	1.7	-	<0.50	<0.50	<0.50	<0.75 DLHM	<0.50	<1.5 DLHM	<0.50	<1.0 DLHM	<0.50
MTBE	ug/g	0.75	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Styrene	ug/g	0.7	-	<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

				Lab ID	L1914068-46	L1914068-48	L1914068-51	L1914068-52	L1914068-55	L1914068-56
				Sample Date	13-APR-17	13-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17
				Sample ID	BH210-SS6	BH210-SS13	DUP 3	DUP 4	DUP 7	DUP 8
		Guide Limits								
Analyte	Unit	#1	#2							
Acetone	ug/g	16	-	3.3 DLHM	<0.50		<0.50		<0.50
Benzene	ug/g	0.21	-	<0.014 DLHM	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068
Bromodichloromethane	ug/g	1.5	-	<0.10 DLHM	<0.050		<0.050		<0.050
Bromoform	ug/g	0.27	-	<0.10 DLHM	<0.050		<0.050		<0.050
Bromomethane	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
Carbon tetrachloride	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
Chlorobenzene	ug/g	2.4	-	<0.10 DLHM	<0.050		<0.050		<0.050
Dibromochloromethane	ug/g	2.3	-	<0.10 DLHM	<0.050		<0.050		<0.050
Chloroform	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,2-Dibromoethane	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,2-Dichlorobenzene	ug/g	1.2	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,3-Dichlorobenzene	ug/g	4.8	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,4-Dichlorobenzene	ug/g	0.083	-	<0.10 DLHM	<0.050		<0.050		<0.050
Dichlorodifluoromethane	ug/g	16	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,1-Dichloroethane	ug/g	0.47	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,2-Dichloroethane	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,1-Dichloroethylene	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
cis-1,2-Dichloroethylene	ug/g	1.9	-	<0.10 DLHM	<0.050		<0.050		<0.050
trans-1,2-Dichloroethylene	ug/g	0.084	-	<0.10 DLHM	<0.050		<0.050		<0.050
Methylene Chloride	ug/g	0.1	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,2-Dichloropropane	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
cis-1,3-Dichloropropene	ug/g	-	-	<0.060 DLHM	<0.030		<0.030		<0.030
trans-1,3-Dichloropropene	ug/g	-	-	<0.060 DLHM	<0.030		<0.030		<0.030
1,3-Dichloropropene (cis & trans)	ug/g	0.05	-	<0.085	<0.042		<0.042		<0.042
Ethylbenzene	ug/g	1.1	-	<0.036 DLHM	<0.018	<0.018	<0.018	<0.018	<0.018
n-Hexane	ug/g	2.8	-	<0.10 DLHM	<0.050		<0.050		<0.050
Methyl Ethyl Ketone	ug/g	16	-	<1.0 DLHM	<0.50		<0.50		<0.50
Methyl Isobutyl Ketone	ug/g	1.7	-	<1.0 DLHM	<0.50		<0.50		<0.50
MTBE	ug/g	0.75	-	<0.10 DLHM	<0.050		<0.050		<0.050
Styrene	ug/g	0.7	-	<0.10 DLHM	<0.050		<0.050		<0.050

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

				Lab ID	L1914068-2	L1914068-4	L1914068-7	L1914068-9	L1914068-12	L1914068-14	L1914068-17	L1914068-18	L1914068-21
				Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH201-SS8	BH201-SS13	BH202-SS9	BH202-SS13	BH203-SS6	BH203-SS13	BH204-SS5	BH204-SS12	BH205-SS4
		Guide Limits											
Analyte	Unit	#1	#2										
1,1,1,2-Tetrachloroethane	ug/g	0.058	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Tetrachloroethylene	ug/g	0.28	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Toluene	ug/g	2.3	-		<0.24 DLHM	<0.080	<0.40 DLHM	<0.080	0.21 DLHM	<0.080	<0.080	<0.080	<0.080
1,1,1-Trichloroethane	ug/g	0.38	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
1,1,2-Trichloroethane	ug/g	0.05	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Trichloroethylene	ug/g	0.061	-		0.065 DLHM	<0.010	<0.050 DLHM	<0.010	<0.020 DLHM	<0.010	<0.010	<0.010	<0.010
Trichlorofluoromethane	ug/g	4	-		<0.15 DLHM	<0.050	<0.25 DLHM	<0.050	<0.10 DLHM	<0.050	<0.050	<0.050	<0.050
Vinyl chloride	ug/g	0.02	-		<0.060 DLHM	<0.020	<0.10 DLHM	<0.020	<0.040 DLHM	<0.020	<0.020	<0.020	<0.020
o-Xylene	ug/g	-	-		<0.060 DLHM	<0.020	<0.10 DLHM	<0.020	<0.040 DLHM	<0.020	<0.020	<0.020	<0.020
m+p-Xylenes	ug/g	-	-		<0.090 DLHM	<0.030	<0.15 DLHM	<0.030	<0.060 DLHM	<0.030	<0.030	<0.030	<0.030
Xylenes (Total)	ug/g	3.1	-		<0.11	<0.050	<0.18	<0.050	<0.072	<0.050	<0.050	<0.050	<0.050
Surrogate: 4-Bromofluorobenzene	%	-	-		86.0	94.8	79.7	93.0	75.1	93.0	94.3	93.3	90.2
Surrogate: 1,4-Difluorobenzene	%	-	-		89.0	97.8	84.0	94.6	79.1	95.0	96.9	97.3	94.1

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1914068-22	L1914068-26	L1914068-28	L1914068-31	L1914068-33	L1914068-36	L1914068-38	L1914068-41	L1914068-43
				Sample Date	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
				Sample ID	BH205-SS12	BH206-SS3	BH206-SS13	BH207-SS4	BH207-SS13	BH208-SS6	BH208-SS16	BH209-SS8	BH209-SS18
1,1,1,2-Tetrachloroethane	ug/g	0.058	-		<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	-		<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Tetrachloroethylene	ug/g	0.28	-		<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Toluene	ug/g	2.3	-		<0.080	0.164	<0.080	<0.12 DLHM	<0.080	<0.24 DLHM	<0.080	<0.16 DLHM	<0.080
1,1,1-Trichloroethane	ug/g	0.38	-		<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
1,1,2-Trichloroethane	ug/g	0.05	-		<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Trichloroethylene	ug/g	0.061	-		<0.010	<0.010	<0.010	<0.015 DLHM	<0.010	<0.030 DLHM	<0.010	<0.020 DLHM	<0.010
Trichlorofluoromethane	ug/g	4	-		<0.050	<0.050	<0.050	<0.075 DLHM	<0.050	<0.15 DLHM	<0.050	<0.10 DLHM	<0.050
Vinyl chloride	ug/g	0.02	-		<0.020	<0.020	<0.020	<0.030 DLHM	<0.020	<0.060 DLHM	<0.020	<0.040 DLHM	<0.020
o-Xylene	ug/g	-	-		<0.020	<0.020	<0.020	0.075 DLHM	<0.020	<0.060 DLHM	<0.020	<0.040 DLHM	<0.020
m+p-Xylenes	ug/g	-	-		<0.030	<0.030	<0.030	0.089 DLHM	<0.030	<0.090 DLHM	<0.030	<0.060 DLHM	<0.030
Xylenes (Total)	ug/g	3.1	-		<0.050	<0.050	<0.050	0.164	<0.050	<0.11	<0.050	<0.072	<0.050
Surrogate: 4-Bromofluorobenzene	%	-	-		95.7	87.2	91.6	79.6	88.2	80.9	92.9	74.3	89.9
Surrogate: 1,4-Difluorobenzene	%	-	-		98.1	90.9	92.9	82.6	90.4	86.6	95.0	78.9	92.0

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

				Lab ID	L1914068-46	L1914068-48	L1914068-51	L1914068-52	L1914068-55	L1914068-56
				Sample Date	13-APR-17	13-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17
				Sample ID	BH210-SS6	BH210-SS13	DUP 3	DUP 4	DUP 7	DUP 8
		Guide Limits								
Analyte	Unit	#1	#2							
1,1,1,2-Tetrachloroethane	ug/g	0.058	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
Tetrachloroethylene	ug/g	0.28	-	<0.10 DLHM	<0.050		<0.050		<0.050
Toluene	ug/g	2.3	-	<0.16 DLHM	<0.080	<0.080	<0.080	<0.080	<0.080
1,1,1-Trichloroethane	ug/g	0.38	-	<0.10 DLHM	<0.050		<0.050		<0.050
1,1,2-Trichloroethane	ug/g	0.05	-	<0.10 DLHM	<0.050		<0.050		<0.050
Trichloroethylene	ug/g	0.061	-	<0.020 DLHM	<0.010		<0.010		<0.010
Trichlorofluoromethane	ug/g	4	-	<0.10 DLHM	<0.050		<0.050		<0.050
Vinyl chloride	ug/g	0.02	-	<0.040 DLHM	<0.020		<0.020		<0.020
o-Xylene	ug/g	-	-	<0.040 DLHM	<0.020	<0.020	<0.020	<0.020	<0.020
m+p-Xylenes	ug/g	-	-	<0.060 DLHM	<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes (Total)	ug/g	3.1	-	<0.072	<0.050	<0.050	<0.050	<0.050	<0.050
Surrogate: 4-Bromofluorobenzene	%	-	-	72.8	93.3	89.6	90.9	90.6	91.9
Surrogate: 1,4-Difluorobenzene	%	-	-	78.0	97.1	92.9	94.5	93.8	94.6

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1914068-2	L1914068-4	L1914068-7	L1914068-9	L1914068-12	L1914068-14	L1914068-17	L1914068-18	L1914068-21
				Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH201-SS8	BH201-SS13	BH202-SS9	BH202-SS13	BH203-SS6	BH203-SS13	BH204-SS5	BH204-SS12	BH205-SS4
F1 (C6-C10)	ug/g	55	-		<15 DLHM	<5.0	<25 DLHM	<5.0	<10 DLHM	<5.0	<5.0	<5.0	<5.0
F1-BTEX	ug/g	55	-		<15	<5.0	<25	<5.0	<10	<5.0	<5.0	<5.0	<5.0
F2 (C10-C16)	ug/g	98	-		<30 DLHM	<10	<50 DLHM	<10	<15 DLHM	<10	<10	<10	<10
F2-Naphth	ug/g	-	-		<30	<10						<10	
F3 (C16-C34)	ug/g	300	-		<150 DLHM	<50	<250 DLHM	<50	756 DLHM	<50	80	<50	<50
F3-PAH	ug/g	-	-		<150	<50						<50	
F4 (C34-C50)	ug/g	2800	-		<150 DLHM	<50	<250 DLHM	<50	164 DLHM	<50	274	<50	<50
F4G-SG (GHH-Silica)	ug/g	2800	-						1150		1210		
Total Hydrocarbons (C6-C50)	ug/g	-	-		<210	<72	<360	<72	920	<72	354	<72	<72
Chrom. to baseline at nC50		-	-		YES	YES	YES	YES	NO	YES	NO	YES	YES
Surrogate: 2-Bromobenzotrifluoride	%	-	-		90.9	91.6	96.9	92.9	95.2	91.0	90.5	92.5	88.8
Surrogate: 3,4-Dichlorotoluene	%	-	-		82.8	100.2	76.3	95.3	73.1	105.4	94.9	102.2	94.0

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1914068-22	L1914068-26	L1914068-28	L1914068-31	L1914068-33	L1914068-36	L1914068-38	L1914068-41	L1914068-43
				Sample Date	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
				Sample ID	BH205-SS12	BH206-SS3	BH206-SS13	BH207-SS4	BH207-SS13	BH208-SS6	BH208-SS16	BH209-SS8	BH209-SS18
F1 (C6-C10)	ug/g	55	-		<5.0	<5.0	<5.0	<7.5 DLHM	<5.0	<15 DLHM	<5.0	<10 DLHM	<5.0
F1-BTEX	ug/g	55	-		<5.0	<5.0	<5.0	<7.5	<5.0	<15	<5.0	<10	<5.0
F2 (C10-C16)	ug/g	98	-		<10	<10	<10	<15 DLHM	<10	<30 DLHM	<10	<20 DLHM	<10
F2-Naphth	ug/g	-	-										
F3 (C16-C34)	ug/g	300	-		<50	53	<50	232 DLHM	<50	260 DLHM	<50	130 DLHM	<50
F3-PAH	ug/g	-	-										
F4 (C34-C50)	ug/g	2800	-		<50	<50	<50	<75 DLHM	<50	<150 DLHM	<50	<100 DLHM	<50
F4G-SG (GHH-Silica)	ug/g	2800	-										
Total Hydrocarbons (C6-C50)	ug/g	-	-		<72	<72	<72	230	<72	260	<72	<140	<72
Chrom. to baseline at nC50		-	-		YES	YES	YES	YES	YES	YES	YES	YES	YES
Surrogate: 2-Bromobenzotrifluoride	%	-	-		94.4	94.0	93.4	91.5	93.7	93.1	91.8	92.4	94.0
Surrogate: 3,4-Dichlorotoluene	%	-	-		98.6	94.0	100.2	78.5	92.8	82.3	101.5	73.7	94.8

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - SOIL

				Lab ID	L1914068-46	L1914068-48	L1914068-51	L1914068-55
				Sample Date	13-APR-17	13-APR-17	12-APR-17	13-APR-17
				Sample ID	BH210-SS6	BH210-SS13	DUP 3	DUP 7
		Guide Limits						
Analyte	Unit	#1	#2					
F1 (C6-C10)	ug/g	55	-	<10 DLHM	<5.0	<5.0	<5.0
F1-BTEX	ug/g	55	-	<10	<5.0	<5.0	<5.0
F2 (C10-C16)	ug/g	98	-	27 DLHM	<10	<10	<10
F2-Naphth	ug/g	-	-				
F3 (C16-C34)	ug/g	300	-	170 DLHM	<50	<50	<50
F3-PAH	ug/g	-	-				
F4 (C34-C50)	ug/g	2800	-	<100 DLHM	<50	<50	<50
F4G-SG (GHH-Silica)	ug/g	2800	-				
Total Hydrocarbons (C6-C50)	ug/g	-	-	200	<72	<72	<72
Chrom. to baseline at nC50		-	-	YES	YES	YES	YES
Surrogate: 2-Bromobenzotrifluoride	%	-	-	92.2	92.6	88.8	94.7
Surrogate: 3,4-Dichlorotoluene	%	-	-	78.6	81.1	85.4	98.8

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - SOIL

		Guide Limits									
				Lab ID	L1914068-2	L1914068-4	L1914068-5	L1914068-8	L1914068-11	L1914068-13	L1914068-15	L1914068-18	L1914068-20
				Sample Date	10-APR-17	10-APR-17	10-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17	11-APR-17
				Sample ID	BH201-SS8	BH201-SS13	BH202-SS1	BH202-SS12	BH203-SS5	BH203-SS12	BH204-SS2	BH204-SS12	BH205-SS2
Analyte	Unit	#1	#2										
Acenaphthene	ug/g	7.9	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10 DLM	<0.050	0.339
Acenaphthylene	ug/g	0.15	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10 DLM	<0.050	<0.050
Anthracene	ug/g	0.67	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10 DLM	<0.050	0.592
Benzo(a)anthracene	ug/g	0.5	-	<0.15 DLHM	<0.050	<0.050	<0.050	0.050	<0.050	<0.050	<0.10 DLM	<0.050	0.974
Benzo(a)pyrene	ug/g	0.3	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.10 DLM	<0.050	0.842
Benzo(b)fluoranthene	ug/g	0.78	-	<0.15 DLHM	<0.050	<0.050	<0.050	0.052	<0.050	<0.050	0.13 DLM	<0.050	1.14
Benzo(g,h,i)perylene	ug/g	6.6	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.15 DLM	<0.050	0.503
Benzo(k)fluoranthene	ug/g	0.78	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10 DLM	<0.050	0.398
Chrysene	ug/g	7	-	<0.15 DLHM	<0.050	<0.050	<0.050	0.068	<0.050	<0.050	0.12 DLM	<0.050	1.07
Dibenzo(ah)anthracene	ug/g	0.1	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10 DLM	<0.050	0.143
Fluoranthene	ug/g	0.69	-	<0.15 DLHM	<0.050	0.050	<0.050	0.071	<0.050	<0.050	<0.10 DLM	<0.050	2.70
Fluorene	ug/g	62	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10 DLM	<0.050	0.468
Indeno(1,2,3-cd)pyrene	ug/g	0.38	-	<0.15 DLHM	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10 DLM	<0.050	0.540
1+2-Methylnaphthalenes	ug/g	0.99	-	<0.13	<0.042	<0.042	<0.042	0.652	<0.042	<0.085		<0.042	0.204
1-Methylnaphthalene	ug/g	0.99	-	<0.090 DLHM	<0.030	<0.030	<0.030	0.324	<0.030	<0.060 DLM		<0.030	0.089
2-Methylnaphthalene	ug/g	0.99	-	<0.090 DLHM	<0.030	<0.030	<0.030	0.328	<0.030	<0.060 DLM		<0.030	0.116
Naphthalene	ug/g	0.6	-	<0.15 DLHM	<0.050	<0.050	<0.050	0.168	<0.050	<0.10 DLM		<0.050	0.284
Phenanthrene	ug/g	6.2	-	<0.15 DLHM	<0.050	<0.050	<0.050	0.249	<0.050	<0.10 DLM		<0.050	2.94
Pyrene	ug/g	78	-	<0.15 DLHM	<0.050	<0.050	<0.050	0.074	<0.050	<0.10 DLM		<0.050	1.99
Surrogate: 2-Fluorobiphenyl	%	-	-	98.7	96.9	99.7	99.0	97.2	100.7	92.5		99.5	81.5
Surrogate: p-Terphenyl d14	%	-	-	93.9	92.5	97.1	94.1	89.0	95.0	87.9		95.1	77.3

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - SOIL

		Guide Limits									
Lab ID				L1914068-23	L1914068-24	L1914068-27	L1914068-30	L1914068-32	L1914068-35	L1914068-37	L1914068-39	L1914068-42
Sample Date				12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	12-APR-17	13-APR-17	13-APR-17	13-APR-17
Sample ID				BH205-SS13	BH206-SS1	BH206-SS12	BH207-SS2	BH207-SS12	BH208-SS4	BH208-SS14	BH209-SS2	BH209-SS17
Analyte	**Unit**	**#1**	**#2**									
Acenaphthene	ug/g	7.9	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.222	<0.050	<0.050	<0.050
Acenaphthylene	ug/g	0.15	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.070	<0.050	<0.050	<0.050
Anthracene	ug/g	0.67	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.123	<0.050	<0.050	<0.050
Benzo(a)anthracene	ug/g	0.5	-	<0.050	0.067	<0.050	<0.050	<0.050	0.414	<0.050	<0.050	<0.050
Benzo(a)pyrene	ug/g	0.3	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.375	<0.050	<0.050	<0.050
Benzo(b)fluoranthene	ug/g	0.78	-	<0.050	0.089	<0.050	<0.050	<0.050	0.662	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	ug/g	6.6	-	<0.050	0.054	<0.050	<0.050	<0.050	0.338	<0.050	<0.050	<0.050
Benzo(k)fluoranthene	ug/g	0.78	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.180	<0.050	<0.050	<0.050
Chrysene	ug/g	7	-	<0.050	0.114	<0.050	<0.050	<0.050	0.697	<0.050	<0.050	<0.050
Dibenzo(ah)anthracene	ug/g	0.1	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.083	<0.050	<0.050	<0.050
Fluoranthene	ug/g	0.69	-	<0.050	0.074	<0.050	<0.050	<0.050	1.06	<0.050	<0.050	<0.050
Fluorene	ug/g	62	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.400	<0.050	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.38	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.263	<0.050	<0.050	<0.050
1+2-Methylnaphthalenes	ug/g	0.99	-	<0.042	1.16	<0.042	<0.042	<0.042	2.32	<0.042	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.99	-	<0.030	0.556	<0.030	<0.030	<0.030	0.963	<0.030	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.99	-	<0.030	0.608	<0.030	<0.030	<0.030	1.36	<0.030	<0.030	<0.030
Naphthalene	ug/g	0.6	-	<0.050	0.354	<0.050	<0.050	<0.050	0.891	<0.050	<0.050	<0.050
Phenanthrene	ug/g	6.2	-	<0.050	0.371	<0.050	<0.050	<0.050	1.57	<0.050	<0.050	<0.050
Pyrene	ug/g	78	-	<0.050	0.080	<0.050	<0.050	<0.050	0.880	<0.050	<0.050	<0.050
Surrogate: 2-Fluorobiphenyl	%	-	-	101.1	100.0	99.0	99.5	95.7	97.3	96.3	95.4	98.3
Surrogate: p-Terphenyl d14	%	-	-	95.8	88.3	94.3	96.9	89.1	95.0	89.4	92.3	91.7

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - SOIL

		Guide Limits					
Lab ID				L1914068-44	L1914068-47	L1914068-50	L1914068-53
Sample Date				13-APR-17	13-APR-17	11-APR-17	13-APR-17
Sample ID				BH210-SS1	BH210-SS12	DUP 2	DUP 5
Analyte	**Unit**	**#1**	**#2**				
Acenaphthene	ug/g	7.9	-	<0.050	<0.050	0.103	<0.050
Acenaphthylene	ug/g	0.15	-	0.063	<0.050	<0.050	<0.050
Anthracene	ug/g	0.67	-	0.077	<0.050	0.192	<0.050
Benzo(a)anthracene	ug/g	0.5	-	0.292	<0.050	0.299	<0.050
Benzo(a)pyrene	ug/g	0.3	-	0.367	<0.050	0.293	<0.050
Benzo(b)fluoranthene	ug/g	0.78	-	0.541	<0.050	0.403	<0.050
Benzo(g,h,i)perylene	ug/g	6.6	-	0.302	<0.050	0.176	<0.050
Benzo(k)fluoranthene	ug/g	0.78	-	0.163	<0.050	0.133	<0.050
Chrysene	ug/g	7	-	0.374	<0.050	0.240	<0.050
Dibenzo(ah)anthracene	ug/g	0.1	-	0.064	<0.050	<0.050	<0.050
Fluoranthene	ug/g	0.69	-	0.611	<0.050	0.903	<0.050
Fluorene	ug/g	62	-	<0.050	<0.050	0.144	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.38	-	0.272	<0.050	0.177	<0.050
1+2-Methylnaphthalenes	ug/g	0.99	-	0.294	<0.042	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.99	-	0.125	<0.030	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.99	-	0.169	<0.030	0.037	<0.030
Naphthalene	ug/g	0.6	-	0.118	<0.050	0.091	<0.050
Phenanthrene	ug/g	6.2	-	0.393	<0.050	0.935	<0.050
Pyrene	ug/g	78	-	0.578	<0.050	0.677	<0.050
Surrogate: 2-Fluorobiphenyl	%	-	-	97.1	96.1	85.0	101.1
Surrogate: p-Terphenyl d14	%	-	-	93.2	90.1	79.9	96.2

Guide Limit #1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
SAR:M	Reported SAR represents a maximum value. Actual SAR may be lower if both Ca and Mg were detectable.
SAR:DL	SAR is incalculable due to undetectable Na. Detection Limit represents maximum possible SAR value.
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
DLHM	Detection Limit Adjusted: Sample has High Moisture Content

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

BTX-511-HS-WT	Soil	BTEX-O.Reg 153/04 (July 2011)	SW846 8260

BTX is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Soil	Cyanide (WAD)-O.Reg 153/04 (July 2011)	MOE 3015/APHA 4500CN I-WAD

The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-WT	Soil	Conductivity (EC)	MOEE E3138

A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT Soil F1-O.Reg 153/04 (July 2011) E3398/CCME TIER 1-HS

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT Soil F2-F4-O.Reg 153/04 (July 2011) MOE DECPH-E3398/CCME TIER 1

Petroleum Hydrocarbons (F2-F4 fractions) are extracted from soil with 1:1 hexane:acetone using a rotary extractor. Extracts are treated with silica gel to remove polar organic interferences. F2, F3, & F4 are analyzed by GC-FID. F4G-sg is analyzed gravimetrically.

Notes:
1. F2 (C10-C16): Sum of all hydrocarbons that elute between nC10 and nC16.
2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.
3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.
4. F4G: Gravimetric Heavy Hydrocarbons
5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
6. Where both F4 (C34-C50) and F4G-sg are reported for a sample, the larger of the two values is used for comparison against the relevant CCME guideline for F4.
7. F4G-sg cannot be added to the C6 to C50 hydrocarbon results to obtain an estimate of total extractable hydrocarbons.
8. This method is validated for use.
9. Data from analysis of validation and quality control samples is available upon request.
10. Reported results are expressed as milligrams per dry kilogram, unless otherwise indicated.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F4G-ADD-511-WT Soil F4G SG-O.Reg 153/04 (July 2011) MOE DECPH-E3398/CCME TIER 1

F4G, gravimetric analysis, is determined if the chromatogram does not return to baseline at or before C50. A soil sample is extracted with a solvent mix, the solvent is evaporated and the weight of the residue is determined.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

HG-200.2-CVAA-WT Soil Mercury in Soil by CVAAS EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
MET-200.2-CCMS-WT	Soil	Metals in Soil by CRC ICPMS	EPA 200.2/6020A (mod)

Dried, ground and sieved soil samples are digested with nitric and hydrochloric acids, followed by analysis by CRC ICPMS.

Method Limitation: This method is not a total digestion technique. It is a very strong acid digestion that is intended to dissolve those metals that may be environmentally available. This method does not dissolve all silicate materials and may result in a partial extraction. depending on the sample matrix, for some metals, including, but not limited to Al, Ba, Be, Cr, Sr, Ti, Tl, and V.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT	Soil	ABN-Calculated Parameters	SW846 8270
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
PAH-511-WT	Soil	PAH-O.Reg 153/04 (July 2011)	SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking techniqueis used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PH-WT	Soil	pH	MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT	Soil	SAR-O.Reg 153/04 (July 2011)	SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES. The concentrations of Na, Ca and Mg are reported as per CALA requirements for calculated parameters. These individual parameters are not for comparison to any guideline.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

VOC-1,3-DCP-CALC-WT	Soil	Regulation 153 VOCs	SW8260B/SW8270C
VOC-511-HS-WT	Soil	VOC-O.Reg 153/04 (July 2011)	SW846 8260 (511)

Soil and sediment samples are extracted in methanol and analyzed by headspace-GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC-WT	Soil	Sum of Xylene Isomer Concentrations	CALCULATION

Total xylenes represents the sum of o-xylene and m&p-xylene.

**ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody Numbers:

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Reference Information

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.

Quality Control Report

Workorder: L1914068 Report Date: 25-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
B-HWS-R511-WT	**Soil**							
Batch R3704023								
WG2514527-4 DUP		**L1913908-6**						
Boron (B), Hot Water Ext.		<0.10	<0.10	RPD-NA	ug/g	N/A	30	21-APR-17
WG2514527-2 IRM		**HOTB-SAL_SOIL5**						
Boron (B), Hot Water Ext.			102.4		%		70-130	21-APR-17
WG2514527-3 LCS								
Boron (B), Hot Water Ext.			108.8		%		70-130	21-APR-17
WG2514527-1 MB								
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	21-APR-17
Batch R3704024								
WG2514528-4 DUP		**L1914104-1**						
Boron (B), Hot Water Ext.		0.56	0.57		ug/g	2.5	30	21-APR-17
WG2514528-2 IRM		**HOTB-SAL_SOIL5**						
Boron (B), Hot Water Ext.			107.5		%		70-130	21-APR-17
WG2514528-3 LCS								
Boron (B), Hot Water Ext.			116.6		%		70-130	21-APR-17
WG2514528-1 MB								
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	21-APR-17
BTX-511-HS-WT	**Soil**							
Batch R3703084								
WG2513075-4 DUP		**WG2513075-3**						
Benzene		<0.0068	<0.0068	RPD-NA	ug/g	N/A	40	20-APR-17
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	20-APR-17
m+p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	20-APR-17
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	20-APR-17
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	20-APR-17
WG2513075-2 LCS								
Benzene			103.2		%		70-130	20-APR-17
Ethylbenzene			99.5		%		70-130	20-APR-17
m+p-Xylenes			100.5		%		70-130	20-APR-17
o-Xylene			101.1		%		70-130	20-APR-17
Toluene			101.2		%		70-130	20-APR-17
WG2513075-1 MB								
Benzene			<0.0068		ug/g		0.0068	20-APR-17
Ethylbenzene			<0.018		ug/g		0.018	20-APR-17
m+p-Xylenes			<0.030		ug/g		0.03	20-APR-17
o-Xylene			<0.020		ug/g		0.02	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX-511-HS-WT	**Soil**							
Batch R3703084								
WG2513075-1 MB								
Toluene			<0.080		ug/g		0.08	20-APR-17
Surrogate: 1,4-Difluorobenzene			104.4		%		50-140	20-APR-17
Surrogate: 4-Bromofluorobenzene			100.9		%		50-140	20-APR-17
WG2513075-5 MS		**WG2513075-3**						
Benzene			106.1		%		60-140	20-APR-17
Ethylbenzene			102.1		%		60-140	20-APR-17
m+p-Xylenes			103.0		%		60-140	20-APR-17
o-Xylene			102.7		%		60-140	20-APR-17
Toluene			104.3		%		60-140	20-APR-17
Batch R3704029								
WG2513831-4 DUP		**WG2513831-3**						
Benzene		<0.0068	<0.0068	RPD-NA	ug/g	N/A	40	24-APR-17
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	24-APR-17
m+p-Xylenes		0.037	0.035		ug/g	4.9	40	24-APR-17
o-Xylene		0.038	0.036		ug/g	5.6	40	24-APR-17
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	24-APR-17
WG2513831-2 LCS								
Benzene			103.4		%		70-130	21-APR-17
Ethylbenzene			103.8		%		70-130	21-APR-17
m+p-Xylenes			102.9		%		70-130	21-APR-17
o-Xylene			102.8		%		70-130	21-APR-17
Toluene			103.5		%		70-130	21-APR-17
WG2513831-1 MB								
Benzene			<0.0068		ug/g		0.0068	21-APR-17
Ethylbenzene			<0.018		ug/g		0.018	21-APR-17
m+p-Xylenes			<0.030		ug/g		0.03	21-APR-17
o-Xylene			<0.020		ug/g		0.02	21-APR-17
Toluene			<0.080		ug/g		0.08	21-APR-17
Surrogate: 1,4-Difluorobenzene			98.9		%		50-140	21-APR-17
Surrogate: 4-Bromofluorobenzene			94.6		%		50-140	21-APR-17
WG2513831-11 MS		**L1912458-1**						
Benzene			102.8		%		60-140	21-APR-17
Ethylbenzene			102.3		%		60-140	21-APR-17
m+p-Xylenes			99.3		%		60-140	21-APR-17

COMMENTS: RRQC - Matrix spike refers to L1912458-1 only.

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX-511-HS-WT	**Soil**							
Batch R3704029								
WG2513831-11 MS		**L1912458-1**						
o-Xylene			99.6		%		60-140	21-APR-17
Toluene			101.6		%		60-140	21-APR-17
COMMENTS: RRQC - Matrix spike refers to L1912458-1 only.								
WG2513831-5 MS		**WG2513831-3**						
Benzene			104.8		%		60-140	24-APR-17
Ethylbenzene			102.0		%		60-140	24-APR-17
m+p-Xylenes			99.9		%		60-140	24-APR-17
o-Xylene			100.3		%		60-140	24-APR-17
Toluene			105.3		%		60-140	24-APR-17
CN-WAD-R511-WT	**Soil**							
Batch R3707717								
WG2513451-3 DUP		**L1914068-1**						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	24-APR-17
WG2513817-3 DUP		**L1914068-49**						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	24-APR-17
WG2513451-2 LCS								
Cyanide, Weak Acid Diss			96.2		%		80-120	24-APR-17
WG2513817-2 LCS								
Cyanide, Weak Acid Diss			87.9		%		80-120	24-APR-17
WG2513451-1 MB								
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	24-APR-17
WG2513817-1 MB								
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	24-APR-17
WG2513451-4 MS		**L1914068-1**						
Cyanide, Weak Acid Diss			99.5		%		70-130	24-APR-17
WG2513817-4 MS		**L1914068-49**						
Cyanide, Weak Acid Diss			97.9		%		70-130	24-APR-17
CR-CR6-IC-WT	**Soil**							
Batch R3704909								
WG2513300-3 CRM		**WT-SQC012**						
Chromium, Hexavalent			93.1		%		70-130	21-APR-17
WG2513661-3 CRM		**WT-SQC012**						
Chromium, Hexavalent			95.4		%		70-130	21-APR-17
WG2513300-4 DUP		**L1914068-1**						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	21-APR-17
WG2513661-4 DUP		**L1914194-2**						

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CR-CR6-IC-WT	**Soil**							
Batch R3704909								
WG2513661-4 DUP		**L1914194-2**						
Chromium, Hexavalent		0.39	0.26	J	ug/g	0.12	0.4	21-APR-17
WG2513300-2 LCS								
Chromium, Hexavalent			102.1		%		80-120	21-APR-17
WG2513661-2 LCS								
Chromium, Hexavalent			100.9		%		80-120	21-APR-17
WG2513300-1 MB								
Chromium, Hexavalent			<0.20		ug/g		0.2	21-APR-17
WG2513661-1 MB								
Chromium, Hexavalent			<0.20		ug/g		0.2	21-APR-17
EC-WT	**Soil**							
Batch R3704148								
WG2514532-4 DUP		**WG2514532-3**						
Conductivity		0.138	0.141		mS/cm	1.7	20	21-APR-17
WG2514895-1 LCS								
Conductivity			101.9		%		90-110	21-APR-17
WG2514532-1 MB								
Conductivity			<0.0040		mS/cm		0.004	21-APR-17
Batch R3704152								
WG2514529-4 DUP		**WG2514529-3**						
Conductivity		0.124	0.124		mS/cm	0.3	20	21-APR-17
WG2514892-1 LCS								
Conductivity			103.4		%		90-110	21-APR-17
WG2514529-1 MB								
Conductivity			<0.0040		mS/cm		0.004	21-APR-17
F1-HS-511-WT	**Soil**							
Batch R3703084								
WG2513075-4 DUP		**WG2513075-3**						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	20-APR-17
WG2513075-2 LCS								
F1 (C6-C10)			102.6		%		80-120	20-APR-17
WG2513075-1 MB								
F1 (C6-C10)			<5.0		ug/g		5	20-APR-17
Surrogate: 3,4-Dichlorotoluene			115.7		%		60-140	20-APR-17
WG2513075-7 MS		**WG2513075-6**						
F1 (C6-C10)			104.9		%		60-140	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-HS-511-WT	**Soil**							
Batch R3703236								
WG2513125-4 DUP		**WG2513125-3**						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	20-APR-17
WG2513125-2 LCS								
F1 (C6-C10)			105.7		%		80-120	20-APR-17
WG2513125-1 MB								
F1 (C6-C10)			<5.0		ug/g		5	20-APR-17
Surrogate: 3,4-Dichlorotoluene			107.3		%		60-140	20-APR-17
WG2513125-7 MS		**WG2513125-6**						
F1 (C6-C10)			98.8		%		60-140	20-APR-17
Batch R3703392								
WG2513112-4 DUP		**WG2513112-3**						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	20-APR-17
WG2513112-2 LCS								
F1 (C6-C10)			104.3		%		80-120	20-APR-17
WG2513112-1 MB								
F1 (C6-C10)			<5.0		ug/g		5	20-APR-17
Surrogate: 3,4-Dichlorotoluene			111.5		%		60-140	20-APR-17
WG2513112-7 MS		**WG2513112-6**						
F1 (C6-C10)			105.8		%		60-140	20-APR-17
Batch R3704029								
WG2513831-4 DUP		**WG2513831-3**						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	24-APR-17
WG2513831-2 LCS								
F1 (C6-C10)			97.9		%		80-120	21-APR-17
WG2513831-1 MB								
F1 (C6-C10)			<5.0		ug/g		5	21-APR-17
Surrogate: 3,4-Dichlorotoluene			84.1		%		60-140	21-APR-17
WG2513831-10 MS		**L1912458-1**						
F1 (C6-C10)			96.7		%		60-140	21-APR-17
COMMENTS: RRQC - Matrix spike refers to L1912458-1 only.								
WG2513831-7 MS		**WG2513831-6**						
F1 (C6-C10)			81.2		%		60-140	24-APR-17
F2-F4-511-WT	**Soil**							
Batch R3704886								
WG2513128-3 CRM		**ALS PHC2 IRM**						
F2 (C10-C16)			81.9		%		70-130	21-APR-17
F3 (C16-C34)			81.3		%		70-130	21-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT	**Soil**							
Batch R3704886								
WG2513128-3 CRM		**ALS PHC2 IRM**						
F4 (C34-C50)			82.3		%		70-130	21-APR-17
WG2513128-5 DUP		**WG2513128-4**						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	30	21-APR-17
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	30	21-APR-17
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	30	21-APR-17
WG2513128-2 LCS								
F2 (C10-C16)			113.5		%		80-120	21-APR-17
F3 (C16-C34)			111.2		%		80-120	21-APR-17
F4 (C34-C50)			103.5		%		80-120	21-APR-17
WG2513128-1 MB								
F2 (C10-C16)			<10		ug/g		10	21-APR-17
F3 (C16-C34)			<50		ug/g		50	21-APR-17
F4 (C34-C50)			<50		ug/g		50	21-APR-17
Surrogate: 2-Bromobenzotrifluoride			93.8		%		60-140	21-APR-17
Batch R3704925								
WG2513158-3 CRM		**ALS PHC2 IRM**						
F2 (C10-C16)			81.8		%		70-130	21-APR-17
F3 (C16-C34)			81.1		%		70-130	21-APR-17
F4 (C34-C50)			81.7		%		70-130	21-APR-17
WG2513158-5 DUP		**WG2513158-4**						
F2 (C10-C16)		11	<10	RPD-NA	ug/g	N/A	30	21-APR-17
F3 (C16-C34)		69	68		ug/g	1.7	30	21-APR-17
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	30	21-APR-17
WG2513158-2 LCS								
F2 (C10-C16)			114.8		%		80-120	21-APR-17
F3 (C16-C34)			108.4		%		80-120	21-APR-17
F4 (C34-C50)			99.7		%		80-120	21-APR-17
WG2513158-1 MB								
F2 (C10-C16)			<10		ug/g		10	21-APR-17
F3 (C16-C34)			<50		ug/g		50	21-APR-17
F4 (C34-C50)			<50		ug/g		50	21-APR-17
Surrogate: 2-Bromobenzotrifluoride			92.6		%		60-140	21-APR-17
F4G-ADD-511-WT	**Soil**							

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F4G-ADD-511-WT	**Soil**							
Batch R3706989								
WG2516199-2 LCS								
F4G-SG (GHH-Silica)			89.6		%		60-140	19-APR-17
WG2516199-1 MB								
F4G-SG (GHH-Silica)			<250		ug/g		250	19-APR-17
HG-200.2-CVAA-WT	**Soil**							
Batch R3703954								
WG2514534-2 CRM		**WT-CANMET-TILL1**						
Mercury (Hg)			101.5		%		70-130	21-APR-17
WG2514534-6 DUP		**WG2514534-5**						
Mercury (Hg)		0.0316	0.0305		ug/g	3.4	40	21-APR-17
WG2514534-3 LCS								
Mercury (Hg)			119.0		%		80-120	21-APR-17
WG2514534-1 MB								
Mercury (Hg)			<0.0050		mg/kg		0.005	21-APR-17
Batch R3705530								
WG2514535-2 CRM		**WT-CANMET-TILL1**						
Mercury (Hg)			103.5		%		70-130	24-APR-17
WG2514535-6 DUP		**WG2514535-5**						
Mercury (Hg)		0.0226	0.0234		ug/g	3.4	40	24-APR-17
WG2514535-3 LCS								
Mercury (Hg)			102.5		%		80-120	24-APR-17
WG2514535-1 MB								
Mercury (Hg)			<0.0050		mg/kg		0.005	24-APR-17
MET-200.2-CCMS-WT	**Soil**							
Batch R3705659								
WG2514534-2 CRM		**WT-CANMET-TILL1**						
Antimony (Sb)			100.7		%		70-130	21-APR-17
Arsenic (As)			104.0		%		70-130	21-APR-17
Barium (Ba)			102.6		%		70-130	21-APR-17
Beryllium (Be)			101.7		%		70-130	21-APR-17
Cadmium (Cd)			99.8		%		70-130	21-APR-17
Chromium (Cr)			106.2		%		70-130	21-APR-17
Cobalt (Co)			99.8		%		70-130	21-APR-17
Copper (Cu)			95.1		%		70-130	21-APR-17
Lead (Pb)			86.3		%		70-130	21-APR-17
Molybdenum (Mo)			93.6		%		70-130	21-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3705659								
WG2514534-2 CRM		**WT-CANMET-TILL1**						
Nickel (Ni)			100.6		%		70-130	21-APR-17
Selenium (Se)			87.0		%		70-130	21-APR-17
Silver (Ag)			94.1		%		70-130	21-APR-17
Thallium (Tl)			96.6		%		70-130	21-APR-17
Uranium (U)			104.1		%		70-130	21-APR-17
Vanadium (V)			107.0		%		70-130	21-APR-17
Zinc (Zn)			97.4		%		70-130	21-APR-17
WG2514534-6 DUP		**WG2514534-5**						
Antimony (Sb)		<0.10	<0.10	RPD-NA	ug/g	N/A	30	21-APR-17
Arsenic (As)		1.75	1.74		ug/g	1.0	30	21-APR-17
Barium (Ba)		73.4	70.5		ug/g	4.1	40	21-APR-17
Beryllium (Be)		0.36	0.35		ug/g	3.8	30	21-APR-17
Boron (B)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	21-APR-17
Cadmium (Cd)		0.173	0.180		ug/g	3.7	30	21-APR-17
Chromium (Cr)		14.3	14.0		ug/g	2.7	30	21-APR-17
Cobalt (Co)		4.66	4.63		ug/g	0.6	30	21-APR-17
Copper (Cu)		5.96	5.78		ug/g	3.1	30	21-APR-17
Lead (Pb)		6.54	6.80		ug/g	3.9	40	21-APR-17
Molybdenum (Mo)		0.23	0.22		ug/g	7.3	40	21-APR-17
Nickel (Ni)		7.41	7.07		ug/g	4.7	30	21-APR-17
Selenium (Se)		<0.20	<0.20	RPD-NA	ug/g	N/A	30	21-APR-17
Silver (Ag)		<0.10	<0.10	RPD-NA	ug/g	N/A	40	21-APR-17
Thallium (Tl)		0.068	0.072		ug/g	6.4	30	21-APR-17
Uranium (U)		0.319	0.334		ug/g	4.6	30	21-APR-17
Vanadium (V)		29.9	28.7		ug/g	4.1	30	21-APR-17
Zinc (Zn)		39.3	37.6		ug/g	4.5	30	21-APR-17
WG2514534-4 LCS								
Antimony (Sb)			97.6		%		80-120	21-APR-17
Arsenic (As)			96.8		%		80-120	21-APR-17
Barium (Ba)			95.1		%		80-120	21-APR-17
Beryllium (Be)			95.8		%		80-120	21-APR-17
Boron (B)			94.2		%		80-120	21-APR-17
Cadmium (Cd)			101.2		%		80-120	21-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3705659								
WG2514534-4 LCS								
Chromium (Cr)			95.9		%		80-120	21-APR-17
Cobalt (Co)			95.0		%		80-120	21-APR-17
Copper (Cu)			92.5		%		80-120	21-APR-17
Lead (Pb)			89.2		%		80-120	21-APR-17
Molybdenum (Mo)			92.8		%		80-120	21-APR-17
Nickel (Ni)			93.8		%		80-120	21-APR-17
Selenium (Se)			94.2		%		80-120	21-APR-17
Silver (Ag)			94.0		%		80-120	21-APR-17
Thallium (Tl)			92.0		%		80-120	21-APR-17
Uranium (U)			93.4		%		80-120	21-APR-17
Vanadium (V)			97.6		%		80-120	21-APR-17
Zinc (Zn)			88.8		%		80-120	21-APR-17
WG2514534-1 MB								
Antimony (Sb)			<0.10		mg/kg		0.1	21-APR-17
Arsenic (As)			<0.10		mg/kg		0.1	21-APR-17
Barium (Ba)			<0.50		mg/kg		0.5	21-APR-17
Beryllium (Be)			<0.10		mg/kg		0.1	21-APR-17
Boron (B)			<5.0		mg/kg		5	21-APR-17
Cadmium (Cd)			<0.020		mg/kg		0.02	21-APR-17
Chromium (Cr)			<0.50		mg/kg		0.5	21-APR-17
Cobalt (Co)			<0.10		mg/kg		0.1	21-APR-17
Copper (Cu)			<0.50		mg/kg		0.5	21-APR-17
Lead (Pb)			<0.50		mg/kg		0.5	21-APR-17
Molybdenum (Mo)			<0.10		mg/kg		0.1	21-APR-17
Nickel (Ni)			<0.50		mg/kg		0.5	21-APR-17
Selenium (Se)			<0.20		mg/kg		0.2	21-APR-17
Silver (Ag)			<0.10		mg/kg		0.1	21-APR-17
Thallium (Tl)			<0.050		mg/kg		0.05	21-APR-17
Uranium (U)			<0.050		mg/kg		0.05	21-APR-17
Vanadium (V)			<0.20		mg/kg		0.2	21-APR-17
Zinc (Zn)			<2.0		mg/kg		2	21-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707620								
WG2514535-2 CRM		**WT-CANMET-TILL1**						
Antimony (Sb)			89.9		%		70-130	24-APR-17
Arsenic (As)			107.8		%		70-130	24-APR-17
Barium (Ba)			111.7		%		70-130	24-APR-17
Beryllium (Be)			90.5		%		70-130	24-APR-17
Cadmium (Cd)			99.6		%		70-130	24-APR-17
Chromium (Cr)			107.6		%		70-130	24-APR-17
Cobalt (Co)			104.9		%		70-130	24-APR-17
Copper (Cu)			101.2		%		70-130	24-APR-17
Lead (Pb)			87.3		%		70-130	24-APR-17
Molybdenum (Mo)			92.9		%		70-130	24-APR-17
Nickel (Ni)			103.5		%		70-130	24-APR-17
Selenium (Se)			97.2		%		70-130	24-APR-17
Silver (Ag)			91.7		%		70-130	24-APR-17
Thallium (Tl)			91.0		%		70-130	24-APR-17
Uranium (U)			95.4		%		70-130	24-APR-17
Vanadium (V)			110.5		%		70-130	24-APR-17
Zinc (Zn)			99.3		%		70-130	24-APR-17
WG2514535-6 DUP		**WG2514535-5**						
Antimony (Sb)		<0.10	<0.10	RPD-NA	ug/g	N/A	30	24-APR-17
Arsenic (As)		1.64	1.59		ug/g	3.1	30	24-APR-17
Barium (Ba)		77.0	74.3		ug/g	3.6	40	24-APR-17
Beryllium (Be)		0.35	0.34		ug/g	2.8	30	24-APR-17
Boron (B)		5.8	5.7		ug/g	1.5	30	24-APR-17
Cadmium (Cd)		0.083	0.078		ug/g	6.1	30	24-APR-17
Chromium (Cr)		15.8	15.6		ug/g	1.2	30	24-APR-17
Cobalt (Co)		4.83	4.77		ug/g	1.2	30	24-APR-17
Copper (Cu)		8.39	8.16		ug/g	2.7	30	24-APR-17
Lead (Pb)		7.22	6.98		ug/g	3.4	40	24-APR-17
Molybdenum (Mo)		0.23	0.22		ug/g	4.5	40	24-APR-17
Nickel (Ni)		8.95	8.78		ug/g	1.9	30	24-APR-17
Selenium (Se)		<0.20	<0.20	RPD-NA	ug/g	N/A	30	24-APR-17
Silver (Ag)		<0.10	<0.10	RPD-NA	ug/g	N/A	40	24-APR-17
Thallium (Tl)		0.076	0.074		ug/g	2.7	30	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707620								
WG2514535-6 DUP		**WG2514535-5**						
Uranium (U)		0.352	0.334		ug/g	5.1	30	24-APR-17
Vanadium (V)		32.5	31.6		ug/g	2.8	30	24-APR-17
Zinc (Zn)		31.5	30.6		ug/g	2.8	30	24-APR-17
WG2514535-4 LCS								
Antimony (Sb)			99.9		%		80-120	24-APR-17
Arsenic (As)			96.9		%		80-120	24-APR-17
Barium (Ba)			102.9		%		80-120	24-APR-17
Beryllium (Be)			89.8		%		80-120	24-APR-17
Boron (B)			84.5		%		80-120	24-APR-17
Cadmium (Cd)			91.7		%		80-120	24-APR-17
Chromium (Cr)			95.1		%		80-120	24-APR-17
Cobalt (Co)			94.9		%		80-120	24-APR-17
Copper (Cu)			92.8		%		80-120	24-APR-17
Lead (Pb)			94.5		%		80-120	24-APR-17
Molybdenum (Mo)			92.7		%		80-120	24-APR-17
Nickel (Ni)			94.1		%		80-120	24-APR-17
Selenium (Se)			94.5		%		80-120	24-APR-17
Silver (Ag)			90.8		%		80-120	24-APR-17
Thallium (Tl)			93.1		%		80-120	24-APR-17
Uranium (U)			89.6		%		80-120	24-APR-17
Vanadium (V)			96.2		%		80-120	24-APR-17
Zinc (Zn)			88.9		%		80-120	24-APR-17
WG2514535-1 MB								
Antimony (Sb)			<0.10		mg/kg		0.1	24-APR-17
Arsenic (As)			<0.10		mg/kg		0.1	24-APR-17
Barium (Ba)			<0.50		mg/kg		0.5	24-APR-17
Beryllium (Be)			<0.10		mg/kg		0.1	24-APR-17
Boron (B)			<5.0		mg/kg		5	24-APR-17
Cadmium (Cd)			<0.020		mg/kg		0.02	24-APR-17
Chromium (Cr)			<0.50		mg/kg		0.5	24-APR-17
Cobalt (Co)			<0.10		mg/kg		0.1	24-APR-17
Copper (Cu)			<0.50		mg/kg		0.5	24-APR-17
Lead (Pb)			<0.50		mg/kg		0.5	24-APR-17
Molybdenum (Mo)			<0.10		mg/kg		0.1	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707620								
WG2514535-1 MB								
Nickel (Ni)			<0.50		mg/kg		0.5	24-APR-17
Selenium (Se)			<0.20		mg/kg		0.2	24-APR-17
Silver (Ag)			<0.10		mg/kg		0.1	24-APR-17
Thallium (Tl)			<0.050		mg/kg		0.05	24-APR-17
Uranium (U)			<0.050		mg/kg		0.05	24-APR-17
Vanadium (V)			<0.20		mg/kg		0.2	24-APR-17
Zinc (Zn)			<2.0		mg/kg		2	24-APR-17
MOISTURE-WT	**Soil**							
Batch R3703047								
WG2513131-3 DUP		**L1914068-2**						
% Moisture		74.9	74.7		%	0.3	20	20-APR-17
WG2513131-2 LCS								
% Moisture			98.1		%		90-110	20-APR-17
WG2513131-1 MB								
% Moisture			<0.10		%		0.1	20-APR-17
Batch R3703048								
WG2513741-3 DUP		**L1914700-1**						
% Moisture		48.0	48.1		%	0.2	20	20-APR-17
WG2513741-2 LCS								
% Moisture			99.98		%		90-110	20-APR-17
WG2513741-1 MB								
% Moisture			<0.10		%		0.1	20-APR-17
Batch R3703049								
WG2513695-3 DUP		**L1914068-47**						
% Moisture		18.9	18.4		%	2.7	20	20-APR-17
WG2513695-2 LCS								
% Moisture			100.1		%		90-110	20-APR-17
WG2513695-1 MB								
% Moisture			<0.10		%		0.1	20-APR-17
Batch R3703052								
WG2513187-3 DUP		**L1914068-1**						
% Moisture		11.7	12.0		%	3.0	20	20-APR-17
WG2513187-2 LCS								
% Moisture			101.2		%		90-110	20-APR-17
WG2513187-1 MB								
% Moisture			<0.10		%		0.1	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3704952								
WG2513405-4 DUP		**WG2513405-3**						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-APR-17
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-APR-17
Acenaphthene		0.145	0.066	J	ug/g	0.079	0.1	24-APR-17
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Anthracene		0.345	0.069	DUP-H	ug/g	0.276	0.1	24-APR-17
Benzo(a)anthracene		1.51	0.725	DUP-H	ug/g	70	40	24-APR-17
Benzo(a)pyrene		1.59	0.875	DUP-H	ug/g	58	40	24-APR-17
Benzo(b)fluoranthene		2.31	1.46	DUP-H	ug/g	46	40	24-APR-17
Benzo(g,h,i)perylene		1.16	0.709	DUP-H	ug/g	49	40	24-APR-17
Benzo(k)fluoranthene		0.821	0.482	DUP-H	ug/g	52	40	24-APR-17
Chrysene		2.10	1.28	DUP-H	ug/g	49	40	24-APR-17
Dibenzo(ah)anthracene		0.260	0.150	DUPM	ug/g	0.110	0.1	24-APR-17
Fluoranthene		4.40	2.51	DUP-H	ug/g	55	40	24-APR-17
Fluorene		0.175	0.069	DUP-H	ug/g	0.106	0.1	24-APR-17
Indeno(1,2,3-cd)pyrene		1.14	0.691	DUP-H	ug/g	49	40	24-APR-17
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Phenanthrene		2.48	1.25	DUP-H	ug/g	66	40	24-APR-17
Pyrene		3.35	1.92	DUP-H	ug/g	54	40	24-APR-17
WG2513405-2 LCS								
1-Methylnaphthalene			89.8		%		50-140	24-APR-17
2-Methylnaphthalene			88.7		%		50-140	24-APR-17
Acenaphthene			90.9		%		50-140	24-APR-17
Acenaphthylene			87.3		%		50-140	24-APR-17
Anthracene			86.1		%		50-140	24-APR-17
Benzo(a)anthracene			87.7		%		50-140	24-APR-17
Benzo(a)pyrene			91.9		%		50-140	24-APR-17
Benzo(b)fluoranthene			94.1		%		50-140	24-APR-17
Benzo(g,h,i)perylene			90.5		%		50-140	24-APR-17
Benzo(k)fluoranthene			96.7		%		50-140	24-APR-17
Chrysene			103.8		%		50-140	24-APR-17
Dibenzo(ah)anthracene			94.0		%		50-140	24-APR-17
Fluoranthene			81.8		%		50-140	24-APR-17
Fluorene			89.5		%		50-140	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3704952								
WG2513405-2 LCS								
Indeno(1,2,3-cd)pyrene			89.2		%		50-140	24-APR-17
Naphthalene			89.5		%		50-140	24-APR-17
Phenanthrene			87.4		%		50-140	24-APR-17
Pyrene			84.3		%		50-140	24-APR-17
WG2513405-1 MB								
1-Methylnaphthalene			<0.030		ug/g		0.03	24-APR-17
2-Methylnaphthalene			<0.030		ug/g		0.03	24-APR-17
Acenaphthene			<0.050		ug/g		0.05	24-APR-17
Acenaphthylene			<0.050		ug/g		0.05	24-APR-17
Anthracene			<0.050		ug/g		0.05	24-APR-17
Benzo(a)anthracene			<0.050		ug/g		0.05	24-APR-17
Benzo(a)pyrene			<0.050		ug/g		0.05	24-APR-17
Benzo(b)fluoranthene			<0.050		ug/g		0.05	24-APR-17
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	24-APR-17
Benzo(k)fluoranthene			<0.050		ug/g		0.05	24-APR-17
Chrysene			<0.050		ug/g		0.05	24-APR-17
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	24-APR-17
Fluoranthene			<0.050		ug/g		0.05	24-APR-17
Fluorene			<0.050		ug/g		0.05	24-APR-17
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	24-APR-17
Naphthalene			<0.050		ug/g		0.05	24-APR-17
Phenanthrene			<0.050		ug/g		0.05	24-APR-17
Pyrene			<0.050		ug/g		0.05	24-APR-17
Surrogate: 2-Fluorobiphenyl			101.5		%		50-140	24-APR-17
Surrogate: p-Terphenyl d14			93.4		%		50-140	24-APR-17
WG2513405-5 MS		**WG2513405-3**						
1-Methylnaphthalene			88.7		%		50-140	24-APR-17
2-Methylnaphthalene			87.9		%		50-140	24-APR-17
Acenaphthene			88.3		%		50-140	24-APR-17
Acenaphthylene			87.4		%		50-140	24-APR-17
Anthracene			73.8		%		50-140	24-APR-17
Benzo(a)anthracene			N/A	MS-B	%		-	24-APR-17
Benzo(a)pyrene			N/A	MS-B	%		-	24-APR-17
Benzo(b)fluoranthene			N/A	MS-B	%		-	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3704952								
WG2513405-5 MS		**WG2513405-3**						
Benzo(g,h,i)perylene			N/A	MS-B	%		-	24-APR-17
Benzo(k)fluoranthene			67.9		%		50-140	24-APR-17
Chrysene			N/A	MS-B	%		-	24-APR-17
Dibenzo(ah)anthracene			75.7		%		50-140	24-APR-17
Fluoranthene			N/A	MS-B	%		-	24-APR-17
Fluorene			87.3		%		50-140	24-APR-17
Indeno(1,2,3-cd)pyrene			N/A	MS-B	%		-	24-APR-17
Naphthalene			87.7		%		50-140	24-APR-17
Phenanthrene			N/A	MS-B	%		-	24-APR-17
Pyrene			N/A	MS-B	%		-	24-APR-17
Batch R3705713								
WG2513074-4 DUP		**WG2513074-3**						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-APR-17
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-APR-17
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Benzo(a)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Benzo(b)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Benzo(g,h,i)perylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Chrysene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Phenanthrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
WG2513074-2 LCS								
1-Methylnaphthalene			84.0		%		50-140	24-APR-17
2-Methylnaphthalene			83.3		%		50-140	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3705713								
WG2513074-2 LCS								
Acenaphthene			85.5		%		50-140	24-APR-17
Acenaphthylene			85.1		%		50-140	24-APR-17
Anthracene			80.4		%		50-140	24-APR-17
Benzo(a)anthracene			85.8		%		50-140	24-APR-17
Benzo(a)pyrene			87.5		%		50-140	24-APR-17
Benzo(b)fluoranthene			89.2		%		50-140	24-APR-17
Benzo(g,h,i)perylene			87.8		%		50-140	24-APR-17
Benzo(k)fluoranthene			88.5		%		50-140	24-APR-17
Chrysene			96.2		%		50-140	24-APR-17
Dibenzo(ah)anthracene			92.0		%		50-140	24-APR-17
Fluoranthene			78.0		%		50-140	24-APR-17
Fluorene			85.2		%		50-140	24-APR-17
Indeno(1,2,3-cd)pyrene			88.2		%		50-140	24-APR-17
Naphthalene			83.7		%		50-140	24-APR-17
Phenanthrene			80.3		%		50-140	24-APR-17
Pyrene			79.8		%		50-140	24-APR-17
WG2513074-1 MB								
1-Methylnaphthalene			<0.030		ug/g		0.03	24-APR-17
2-Methylnaphthalene			<0.030		ug/g		0.03	24-APR-17
Acenaphthene			<0.050		ug/g		0.05	24-APR-17
Acenaphthylene			<0.050		ug/g		0.05	24-APR-17
Anthracene			<0.050		ug/g		0.05	24-APR-17
Benzo(a)anthracene			<0.050		ug/g		0.05	24-APR-17
Benzo(a)pyrene			<0.050		ug/g		0.05	24-APR-17
Benzo(b)fluoranthene			<0.050		ug/g		0.05	24-APR-17
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	24-APR-17
Benzo(k)fluoranthene			<0.050		ug/g		0.05	24-APR-17
Chrysene			<0.050		ug/g		0.05	24-APR-17
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	24-APR-17
Fluoranthene			<0.050		ug/g		0.05	24-APR-17
Fluorene			<0.050		ug/g		0.05	24-APR-17
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	24-APR-17
Naphthalene			<0.050		ug/g		0.05	24-APR-17
Phenanthrene			<0.050		ug/g		0.05	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3705713								
WG2513074-1 MB								
Pyrene			<0.050		ug/g		0.05	24-APR-17
Surrogate: 2-Fluorobiphenyl			99.0		%		50-140	24-APR-17
Surrogate: p-Terphenyl d14			93.3		%		50-140	24-APR-17
WG2513074-5 MS		**WG2513074-3**						
1-Methylnaphthalene			85.7		%		50-140	24-APR-17
2-Methylnaphthalene			85.0		%		50-140	24-APR-17
Acenaphthene			87.2		%		50-140	24-APR-17
Acenaphthylene			85.7		%		50-140	24-APR-17
Anthracene			79.4		%		50-140	24-APR-17
Benzo(a)anthracene			86.5		%		50-140	24-APR-17
Benzo(a)pyrene			88.5		%		50-140	24-APR-17
Benzo(b)fluoranthene			92.4		%		50-140	24-APR-17
Benzo(g,h,i)perylene			90.5		%		50-140	24-APR-17
Benzo(k)fluoranthene			89.4		%		50-140	24-APR-17
Chrysene			94.9		%		50-140	24-APR-17
Dibenzo(ah)anthracene			94.3		%		50-140	24-APR-17
Fluoranthene			79.6		%		50-140	24-APR-17
Fluorene			86.3		%		50-140	24-APR-17
Indeno(1,2,3-cd)pyrene			89.1		%		50-140	24-APR-17
Naphthalene			85.6		%		50-140	24-APR-17
Phenanthrene			81.8		%		50-140	24-APR-17
Pyrene			81.4		%		50-140	24-APR-17
PH-WT	**Soil**							
Batch R3704618								
WG2513295-1 DUP		**L1914068-1**						
pH		7.47	7.46	J	pH units	0.01	0.3	23-APR-17
WG2515415-1 LCS								
pH			6.98		pH units		6.7-7.3	23-APR-17
Batch R3704661								
WG2513314-1 DUP		**L1913908-8**						
pH		7.52	7.48	J	pH units	0.04	0.3	23-APR-17
WG2515477-1 LCS								
pH			6.94		pH units		6.7-7.3	23-APR-17
SAR-R511-WT	**Soil**							

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SAR-R511-WT	**Soil**							
Batch R3704018								
WG2514529-4 DUP		**WG2514529-3**						
Calcium (Ca)		13.0	12.9		mg/L	0.5	30	21-APR-17
Sodium (Na)		20.5	20.5		mg/L	0.2	30	21-APR-17
Magnesium (Mg)		12.6	12.5		mg/L	0.7	30	21-APR-17
WG2514529-2 IRM		**WT SAR1**						
Calcium (Ca)			92.3		%		70-130	21-APR-17
Sodium (Na)			91.2		%		70-130	21-APR-17
Magnesium (Mg)			91.3		%		70-130	21-APR-17
WG2514529-1 MB								
Calcium (Ca)			<1.0		mg/L		1	21-APR-17
Sodium (Na)			<1.0		mg/L		1	21-APR-17
Magnesium (Mg)			<1.0		mg/L		1	21-APR-17
Batch R3704022								
WG2514532-4 DUP		**WG2514532-3**						
Calcium (Ca)		10.8	10.5		mg/L	3.0	30	21-APR-17
Sodium (Na)		1.1	1.1		mg/L	0.5	30	21-APR-17
Magnesium (Mg)		<1.0	<1.0	RPD-NA	mg/L	N/A	30	21-APR-17
WG2514532-2 IRM		**WT SAR1**						
Calcium (Ca)			86.6		%		70-130	21-APR-17
Sodium (Na)			86.8		%		70-130	21-APR-17
Magnesium (Mg)			85.0		%		70-130	21-APR-17
WG2514532-1 MB								
Calcium (Ca)			<1.0		mg/L		1	21-APR-17
Sodium (Na)			<1.0		mg/L		1	21-APR-17
Magnesium (Mg)			<1.0		mg/L		1	21-APR-17
VOC-511-HS-WT	**Soil**							
Batch R3703236								
WG2513125-4 DUP		**WG2513125-3**						
1,1,1,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1,2,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1,1-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1,2-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,2-Dibromoethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17

Quality Control Report

Workorder: L1914068 Report Date: 25-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703236								
WG2513125-4 DUP		**WG2513125-3**						
1,2-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,2-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,2-Dichloropropane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,3-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,4-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Acetone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	20-APR-17
Benzene		<0.0068	<0.0068	RPD-NA	ug/g	N/A	40	20-APR-17
Bromodichloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Bromoform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Bromomethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Carbon tetrachloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Chlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Chloroform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
cis-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	20-APR-17
Dibromochloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Dichlorodifluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	20-APR-17
n-Hexane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Methylene Chloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
MTBE		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
m+p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	20-APR-17
Methyl Ethyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	20-APR-17
Methyl Isobutyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	20-APR-17
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	20-APR-17
Styrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Tetrachloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	20-APR-17
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
trans-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	20-APR-17
Trichloroethylene		<0.010	<0.010	RPD-NA	ug/g	N/A	40	20-APR-17
Trichlorofluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Vinyl chloride		<0.020	<0.020		ug/g			20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703236								
WG2513125-4 DUP		**WG2513125-3**						
Vinyl chloride		<0.020	<0.020	RPD-NA	ug/g	N/A	40	20-APR-17
WG2513125-2 LCS								
1,1,1,2-Tetrachloroethane			100.5		%		60-130	20-APR-17
1,1,2,2-Tetrachloroethane			110.3		%		60-130	20-APR-17
1,1,1-Trichloroethane			102.1		%		60-130	20-APR-17
1,1,2-Trichloroethane			107.2		%		60-130	20-APR-17
1,1-Dichloroethane			108.9		%		60-130	20-APR-17
1,1-Dichloroethylene			95.0		%		60-130	20-APR-17
1,2-Dibromoethane			107.1		%		70-130	20-APR-17
1,2-Dichlorobenzene			104.6		%		70-130	20-APR-17
1,2-Dichloroethane			115.0		%		60-130	20-APR-17
1,2-Dichloropropane			111.1		%		70-130	20-APR-17
1,3-Dichlorobenzene			101.5		%		70-130	20-APR-17
1,4-Dichlorobenzene			104.9		%		70-130	20-APR-17
Acetone			123.3		%		60-140	20-APR-17
Benzene			109.7		%		70-130	20-APR-17
Bromodichloromethane			108.6		%		50-140	20-APR-17
Bromoform			103.9		%		70-130	20-APR-17
Bromomethane			108.3		%		50-140	20-APR-17
Carbon tetrachloride			101.3		%		70-130	20-APR-17
Chlorobenzene			103.3		%		70-130	20-APR-17
Chloroform			110.2		%		70-130	20-APR-17
cis-1,2-Dichloroethylene			107.4		%		70-130	20-APR-17
cis-1,3-Dichloropropene			113.3		%		70-130	20-APR-17
Dibromochloromethane			110.0		%		60-130	20-APR-17
Dichlorodifluoromethane			66.3		%		50-140	20-APR-17
Ethylbenzene			90.2		%		70-130	20-APR-17
n-Hexane			107.5		%		70-130	20-APR-17
Methylene Chloride			117.0		%		70-130	20-APR-17
MTBE			101.6		%		70-130	20-APR-17
m+p-Xylenes			95.6		%		70-130	20-APR-17
Methyl Ethyl Ketone			116.8		%		60-140	20-APR-17
Methyl Isobutyl Ketone			119.9		%		60-140	20-APR-17
o-Xylene			93.4		%		70-130	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703236								
WG2513125-2 LCS								
Styrene			103.6		%		70-130	20-APR-17
Tetrachloroethylene			95.9		%		60-130	20-APR-17
Toluene			94.2		%		70-130	20-APR-17
trans-1,2-Dichloroethylene			109.3		%		60-130	20-APR-17
trans-1,3-Dichloropropene			101.4		%		70-130	20-APR-17
Trichloroethylene			103.0		%		60-130	20-APR-17
Trichlorofluoromethane			103.8		%		50-140	20-APR-17
Vinyl chloride			95.1		%		60-140	20-APR-17
WG2513125-1 MB								
1,1,1,2-Tetrachloroethane			<0.050		ug/g		0.05	20-APR-17
1,1,2,2-Tetrachloroethane			<0.050		ug/g		0.05	20-APR-17
1,1,1-Trichloroethane			<0.050		ug/g		0.05	20-APR-17
1,1,2-Trichloroethane			<0.050		ug/g		0.05	20-APR-17
1,1-Dichloroethane			<0.050		ug/g		0.05	20-APR-17
1,1-Dichloroethylene			<0.050		ug/g		0.05	20-APR-17
1,2-Dibromoethane			<0.050		ug/g		0.05	20-APR-17
1,2-Dichlorobenzene			<0.050		ug/g		0.05	20-APR-17
1,2-Dichloroethane			<0.050		ug/g		0.05	20-APR-17
1,2-Dichloropropane			<0.050		ug/g		0.05	20-APR-17
1,3-Dichlorobenzene			<0.050		ug/g		0.05	20-APR-17
1,4-Dichlorobenzene			<0.050		ug/g		0.05	20-APR-17
Acetone			<0.50		ug/g		0.5	20-APR-17
Benzene			<0.0068		ug/g		0.0068	20-APR-17
Bromodichloromethane			<0.050		ug/g		0.05	20-APR-17
Bromoform			<0.050		ug/g		0.05	20-APR-17
Bromomethane			<0.050		ug/g		0.05	20-APR-17
Carbon tetrachloride			<0.050		ug/g		0.05	20-APR-17
Chlorobenzene			<0.050		ug/g		0.05	20-APR-17
Chloroform			<0.050		ug/g		0.05	20-APR-17
cis-1,2-Dichloroethylene			<0.050		ug/g		0.05	20-APR-17
cis-1,3-Dichloropropene			<0.030		ug/g		0.03	20-APR-17
Dibromochloromethane			<0.050		ug/g		0.05	20-APR-17
Dichlorodifluoromethane			<0.050		ug/g		0.05	20-APR-17
Ethylbenzene			<0.018		ug/g		0.018	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703236								
WG2513125-1 MB								
n-Hexane			<0.050		ug/g		0.05	20-APR-17
Methylene Chloride			<0.050		ug/g		0.05	20-APR-17
MTBE			<0.050		ug/g		0.05	20-APR-17
m+p-Xylenes			<0.030		ug/g		0.03	20-APR-17
Methyl Ethyl Ketone			<0.50		ug/g		0.5	20-APR-17
Methyl Isobutyl Ketone			<0.50		ug/g		0.5	20-APR-17
o-Xylene			<0.020		ug/g		0.02	20-APR-17
Styrene			<0.050		ug/g		0.05	20-APR-17
Tetrachloroethylene			<0.050		ug/g		0.05	20-APR-17
Toluene			<0.080		ug/g		0.08	20-APR-17
trans-1,2-Dichloroethylene			<0.050		ug/g		0.05	20-APR-17
trans-1,3-Dichloropropene			<0.030		ug/g		0.03	20-APR-17
Trichloroethylene			<0.010		ug/g		0.01	20-APR-17
Trichlorofluoromethane			<0.050		ug/g		0.05	20-APR-17
Vinyl chloride			<0.020		ug/g		0.02	20-APR-17
Surrogate: 1,4-Difluorobenzene			99.8		%		50-140	20-APR-17
Surrogate: 4-Bromofluorobenzene			97.2		%		50-140	20-APR-17
WG2513125-5 MS		**WG2513125-3**						
1,1,1,2-Tetrachloroethane			104.0		%		50-140	20-APR-17
1,1,2,2-Tetrachloroethane			114.2		%		50-140	20-APR-17
1,1,1-Trichloroethane			106.3		%		50-140	20-APR-17
1,1,2-Trichloroethane			111.9		%		50-140	20-APR-17
1,1-Dichloroethane			113.6		%		50-140	20-APR-17
1,1-Dichloroethylene			99.0		%		50-140	20-APR-17
1,2-Dibromoethane			112.3		%		50-140	20-APR-17
1,2-Dichlorobenzene			108.1		%		50-140	20-APR-17
1,2-Dichloroethane			119.7		%		50-140	20-APR-17
1,2-Dichloropropane			115.5		%		50-140	20-APR-17
1,3-Dichlorobenzene			104.8		%		50-140	20-APR-17
1,4-Dichlorobenzene			109.0		%		50-140	20-APR-17
Acetone			134.2		%		50-140	20-APR-17
Benzene			114.3		%		50-140	20-APR-17
Bromodichloromethane			112.9		%		50-140	20-APR-17
Bromoform			107.1		%		50-140	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703236								
WG2513125-5 MS		**WG2513125-3**						
Bromomethane			110.5		%		50-140	20-APR-17
Carbon tetrachloride			105.7		%		50-140	20-APR-17
Chlorobenzene			107.1		%		50-140	20-APR-17
Chloroform			115.0		%		50-140	20-APR-17
cis-1,2-Dichloroethylene			112.3		%		50-140	20-APR-17
cis-1,3-Dichloropropene			109.1		%		50-140	20-APR-17
Dibromochloromethane			114.7		%		50-140	20-APR-17
Dichlorodifluoromethane			71.1		%		50-140	20-APR-17
Ethylbenzene			91.3		%		50-140	20-APR-17
n-Hexane			111.1		%		50-140	20-APR-17
Methylene Chloride			123.0		%		50-140	20-APR-17
MTBE			104.3		%		50-140	20-APR-17
m+p-Xylenes			97.5		%		50-140	20-APR-17
Methyl Ethyl Ketone			122.8		%		50-140	20-APR-17
Methyl Isobutyl Ketone			121.9		%		50-140	20-APR-17
o-Xylene			94.0		%		50-140	20-APR-17
Styrene			102.6		%		50-140	20-APR-17
Tetrachloroethylene			98.5		%		50-140	20-APR-17
Toluene			96.6		%		50-140	20-APR-17
trans-1,2-Dichloroethylene			114.3		%		50-140	20-APR-17
trans-1,3-Dichloropropene			96.8		%		50-140	20-APR-17
Trichloroethylene			106.8		%		50-140	20-APR-17
Trichlorofluoromethane			109.3		%		50-140	20-APR-17
Vinyl chloride			98.7		%		50-140	20-APR-17
Batch R3703392								
WG2513112-4 DUP		**WG2513112-3**						
1,1,1,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1,2,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1,1-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1,2-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,1-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,2-Dibromoethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703392								
WG2513112-4 DUP		**WG2513112-3**						
1,2-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,2-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,2-Dichloropropane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,3-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
1,4-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Acetone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	20-APR-17
Benzene		<0.0068	<0.0068	RPD-NA	ug/g	N/A	40	20-APR-17
Bromodichloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Bromoform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Bromomethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Carbon tetrachloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Chlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Chloroform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
cis-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	20-APR-17
Dibromochloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Dichlorodifluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	20-APR-17
n-Hexane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Methylene Chloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
MTBE		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
m+p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	20-APR-17
Methyl Ethyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	20-APR-17
Methyl Isobutyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	20-APR-17
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	20-APR-17
Styrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Tetrachloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	20-APR-17
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
trans-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	20-APR-17
Trichloroethylene		<0.010	<0.010	RPD-NA	ug/g	N/A	40	20-APR-17
Trichlorofluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	20-APR-17
Vinyl chloride		<0.020	<0.020		ug/g			20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703392								
WG2513112-4 DUP		**WG2513112-3**						
Vinyl chloride		<0.020	<0.020	RPD-NA	ug/g	N/A	40	20-APR-17
WG2513112-2 LCS								
1,1,1,2-Tetrachloroethane			99.7		%		60-130	20-APR-17
1,1,2,2-Tetrachloroethane			100.8		%		60-130	20-APR-17
1,1,1-Trichloroethane			100.6		%		60-130	20-APR-17
1,1,2-Trichloroethane			106.2		%		60-130	20-APR-17
1,1-Dichloroethane			105.6		%		60-130	20-APR-17
1,1-Dichloroethylene			93.1		%		60-130	20-APR-17
1,2-Dibromoethane			107.9		%		70-130	20-APR-17
1,2-Dichlorobenzene			105.3		%		70-130	20-APR-17
1,2-Dichloroethane			111.7		%		60-130	20-APR-17
1,2-Dichloropropane			106.3		%		70-130	20-APR-17
1,3-Dichlorobenzene			103.5		%		70-130	20-APR-17
1,4-Dichlorobenzene			106.1		%		70-130	20-APR-17
Acetone			114.0		%		60-140	20-APR-17
Benzene			107.2		%		70-130	20-APR-17
Bromodichloromethane			107.8		%		50-140	20-APR-17
Bromoform			104.2		%		70-130	20-APR-17
Bromomethane			109.9		%		50-140	20-APR-17
Carbon tetrachloride			102.6		%		70-130	20-APR-17
Chlorobenzene			102.3		%		70-130	20-APR-17
Chloroform			109.3		%		70-130	20-APR-17
cis-1,2-Dichloroethylene			109.6		%		70-130	20-APR-17
cis-1,3-Dichloropropene			110.8		%		70-130	20-APR-17
Dibromochloromethane			109.5		%		60-130	20-APR-17
Dichlorodifluoromethane			64.2		%		50-140	20-APR-17
Ethylbenzene			90.7		%		70-130	20-APR-17
n-Hexane			103.7		%		70-130	20-APR-17
Methylene Chloride			114.2		%		70-130	20-APR-17
MTBE			99.1		%		70-130	20-APR-17
m+p-Xylenes			94.9		%		70-130	20-APR-17
Methyl Ethyl Ketone			113.9		%		60-140	20-APR-17
Methyl Isobutyl Ketone			92.1		%		60-140	20-APR-17
o-Xylene			92.7		%		70-130	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703392								
WG2513112-2 LCS								
Styrene			94.0		%		70-130	20-APR-17
Tetrachloroethylene			98.8		%		60-130	20-APR-17
Toluene			94.8		%		70-130	20-APR-17
trans-1,2-Dichloroethylene			105.1		%		60-130	20-APR-17
trans-1,3-Dichloropropene			101.9		%		70-130	20-APR-17
Trichloroethylene			105.8		%		60-130	20-APR-17
Trichlorofluoromethane			104.1		%		50-140	20-APR-17
Vinyl chloride			90.2		%		60-140	20-APR-17
WG2513112-1 MB								
1,1,1,2-Tetrachloroethane			<0.050		ug/g		0.05	20-APR-17
1,1,2,2-Tetrachloroethane			<0.050		ug/g		0.05	20-APR-17
1,1,1-Trichloroethane			<0.050		ug/g		0.05	20-APR-17
1,1,2-Trichloroethane			<0.050		ug/g		0.05	20-APR-17
1,1-Dichloroethane			<0.050		ug/g		0.05	20-APR-17
1,1-Dichloroethylene			<0.050		ug/g		0.05	20-APR-17
1,2-Dibromoethane			<0.050		ug/g		0.05	20-APR-17
1,2-Dichlorobenzene			<0.050		ug/g		0.05	20-APR-17
1,2-Dichloroethane			<0.050		ug/g		0.05	20-APR-17
1,2-Dichloropropane			<0.050		ug/g		0.05	20-APR-17
1,3-Dichlorobenzene			<0.050		ug/g		0.05	20-APR-17
1,4-Dichlorobenzene			<0.050		ug/g		0.05	20-APR-17
Acetone			<0.50		ug/g		0.5	20-APR-17
Benzene			<0.0068		ug/g		0.0068	20-APR-17
Bromodichloromethane			<0.050		ug/g		0.05	20-APR-17
Bromoform			<0.050		ug/g		0.05	20-APR-17
Bromomethane			<0.050		ug/g		0.05	20-APR-17
Carbon tetrachloride			<0.050		ug/g		0.05	20-APR-17
Chlorobenzene			<0.050		ug/g		0.05	20-APR-17
Chloroform			<0.050		ug/g		0.05	20-APR-17
cis-1,2-Dichloroethylene			<0.050		ug/g		0.05	20-APR-17
cis-1,3-Dichloropropene			<0.030		ug/g		0.03	20-APR-17
Dibromochloromethane			<0.050		ug/g		0.05	20-APR-17
Dichlorodifluoromethane			<0.050		ug/g		0.05	20-APR-17
Ethylbenzene			<0.018		ug/g		0.018	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703392								
WG2513112-1 MB								
n-Hexane			<0.050		ug/g		0.05	20-APR-17
Methylene Chloride			<0.050		ug/g		0.05	20-APR-17
MTBE			<0.050		ug/g		0.05	20-APR-17
m+p-Xylenes			<0.030		ug/g		0.03	20-APR-17
Methyl Ethyl Ketone			<0.50		ug/g		0.5	20-APR-17
Methyl Isobutyl Ketone			<0.50		ug/g		0.5	20-APR-17
o-Xylene			<0.020		ug/g		0.02	20-APR-17
Styrene			<0.050		ug/g		0.05	20-APR-17
Tetrachloroethylene			<0.050		ug/g		0.05	20-APR-17
Toluene			<0.080		ug/g		0.08	20-APR-17
trans-1,2-Dichloroethylene			<0.050		ug/g		0.05	20-APR-17
trans-1,3-Dichloropropene			<0.030		ug/g		0.03	20-APR-17
Trichloroethylene			<0.010		ug/g		0.01	20-APR-17
Trichlorofluoromethane			<0.050		ug/g		0.05	20-APR-17
Vinyl chloride			<0.020		ug/g		0.02	20-APR-17
Surrogate: 1,4-Difluorobenzene			100.9		%		50-140	20-APR-17
Surrogate: 4-Bromofluorobenzene			98.6		%		50-140	20-APR-17
WG2513112-5 MS		**WG2513112-3**						
1,1,1,2-Tetrachloroethane			105.6		%		50-140	20-APR-17
1,1,2,2-Tetrachloroethane			115.9		%		50-140	20-APR-17
1,1,1-Trichloroethane			104.7		%		50-140	20-APR-17
1,1,2-Trichloroethane			114.7		%		50-140	20-APR-17
1,1-Dichloroethane			110.9		%		50-140	20-APR-17
1,1-Dichloroethylene			96.3		%		50-140	20-APR-17
1,2-Dibromoethane			116.3		%		50-140	20-APR-17
1,2-Dichlorobenzene			110.3		%		50-140	20-APR-17
1,2-Dichloroethane			120.5		%		50-140	20-APR-17
1,2-Dichloropropane			112.8		%		50-140	20-APR-17
1,3-Dichlorobenzene			104.5		%		50-140	20-APR-17
1,4-Dichlorobenzene			107.8		%		50-140	20-APR-17
Acetone			123.4		%		50-140	20-APR-17
Benzene			112.6		%		50-140	20-APR-17
Bromodichloromethane			115.5		%		50-140	20-APR-17
Bromoform			116.0		%		50-140	20-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3703392								
WG2513112-5 MS		**WG2513112-3**						
Bromomethane			113.7		%		50-140	20-APR-17
Carbon tetrachloride			106.7		%		50-140	20-APR-17
Chlorobenzene			107.1		%		50-140	20-APR-17
Chloroform			115.3		%		50-140	20-APR-17
cis-1,2-Dichloroethylene			115.4		%		50-140	20-APR-17
cis-1,3-Dichloropropene			117.0		%		50-140	20-APR-17
Dibromochloromethane			118.4		%		50-140	20-APR-17
Dichlorodifluoromethane			65.6		%		50-140	20-APR-17
Ethylbenzene			92.6		%		50-140	20-APR-17
n-Hexane			106.3		%		50-140	20-APR-17
Methylene Chloride			121.1		%		50-140	20-APR-17
MTBE			104.2		%		50-140	20-APR-17
m+p-Xylenes			97.1		%		50-140	20-APR-17
Methyl Ethyl Ketone			127.9		%		50-140	20-APR-17
Methyl Isobutyl Ketone			103.5		%		50-140	20-APR-17
o-Xylene			95.7		%		50-140	20-APR-17
Styrene			98.3		%		50-140	20-APR-17
Tetrachloroethylene			100.4		%		50-140	20-APR-17
Toluene			97.3		%		50-140	20-APR-17
trans-1,2-Dichloroethylene			108.4		%		50-140	20-APR-17
trans-1,3-Dichloropropene			106.7		%		50-140	20-APR-17
Trichloroethylene			110.0		%		50-140	20-APR-17
Trichlorofluoromethane			106.8		%		50-140	20-APR-17
Vinyl chloride			91.9		%		50-140	20-APR-17

Quality Control Report

Workorder: L1914068 Report Date: 25-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.
DUPM	MPN duplicate results were outside default ALS Data Quality Objective, but within 95% confidence interval for MPN reference method. Sample results are reliable.
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

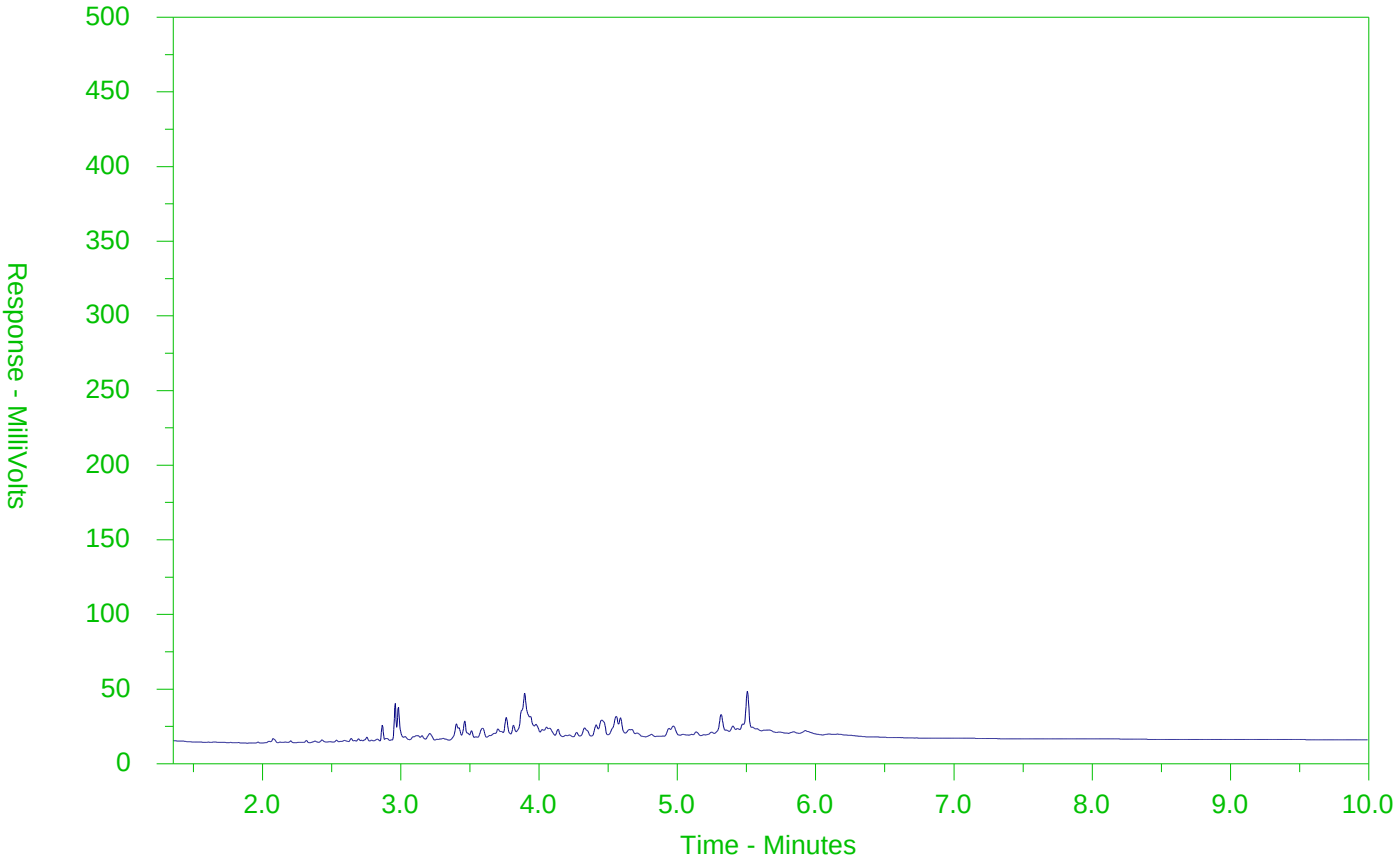
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-2
Client Sample ID: BH201-SS8



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

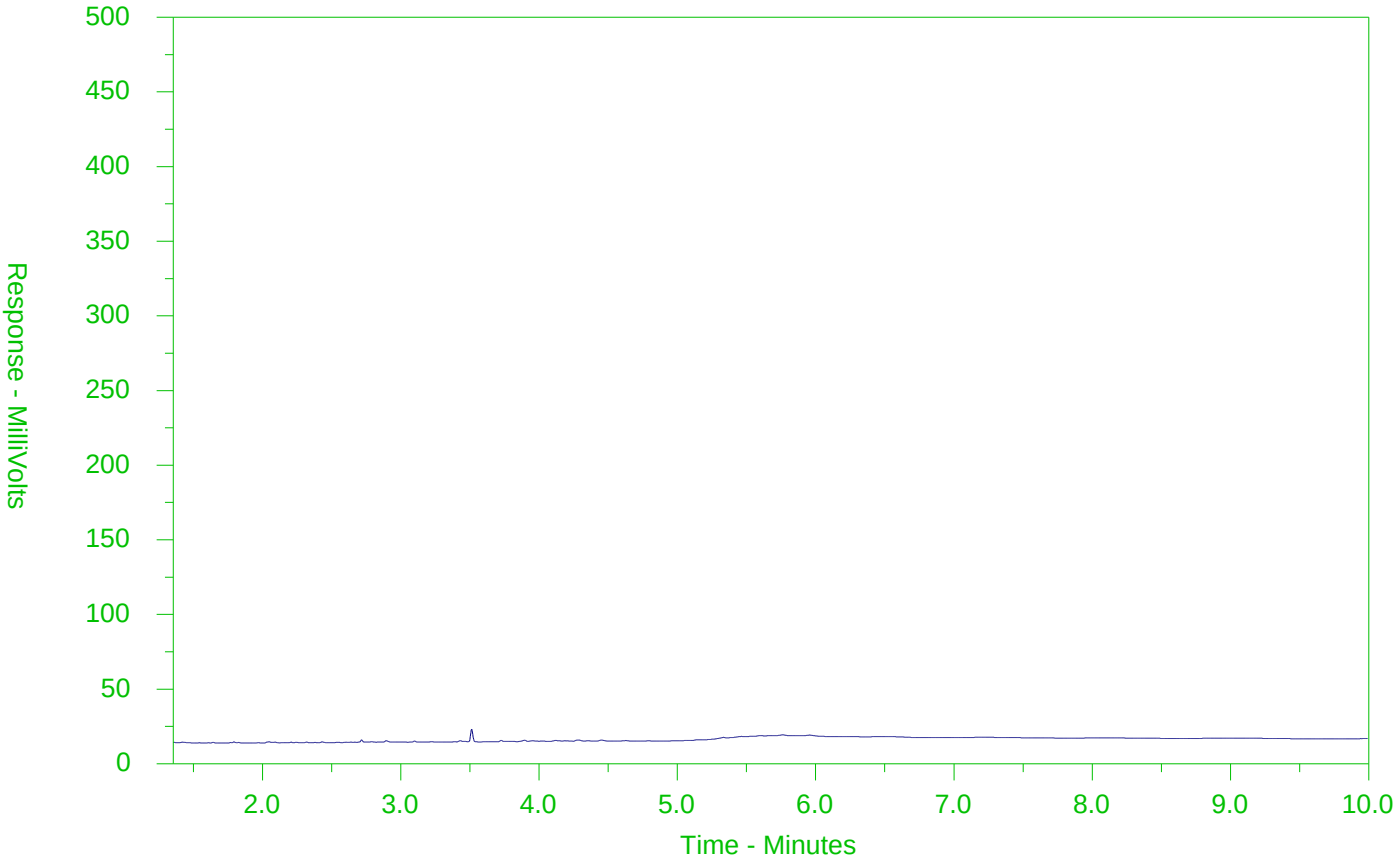
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-4
Client Sample ID: BH201-SS13



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

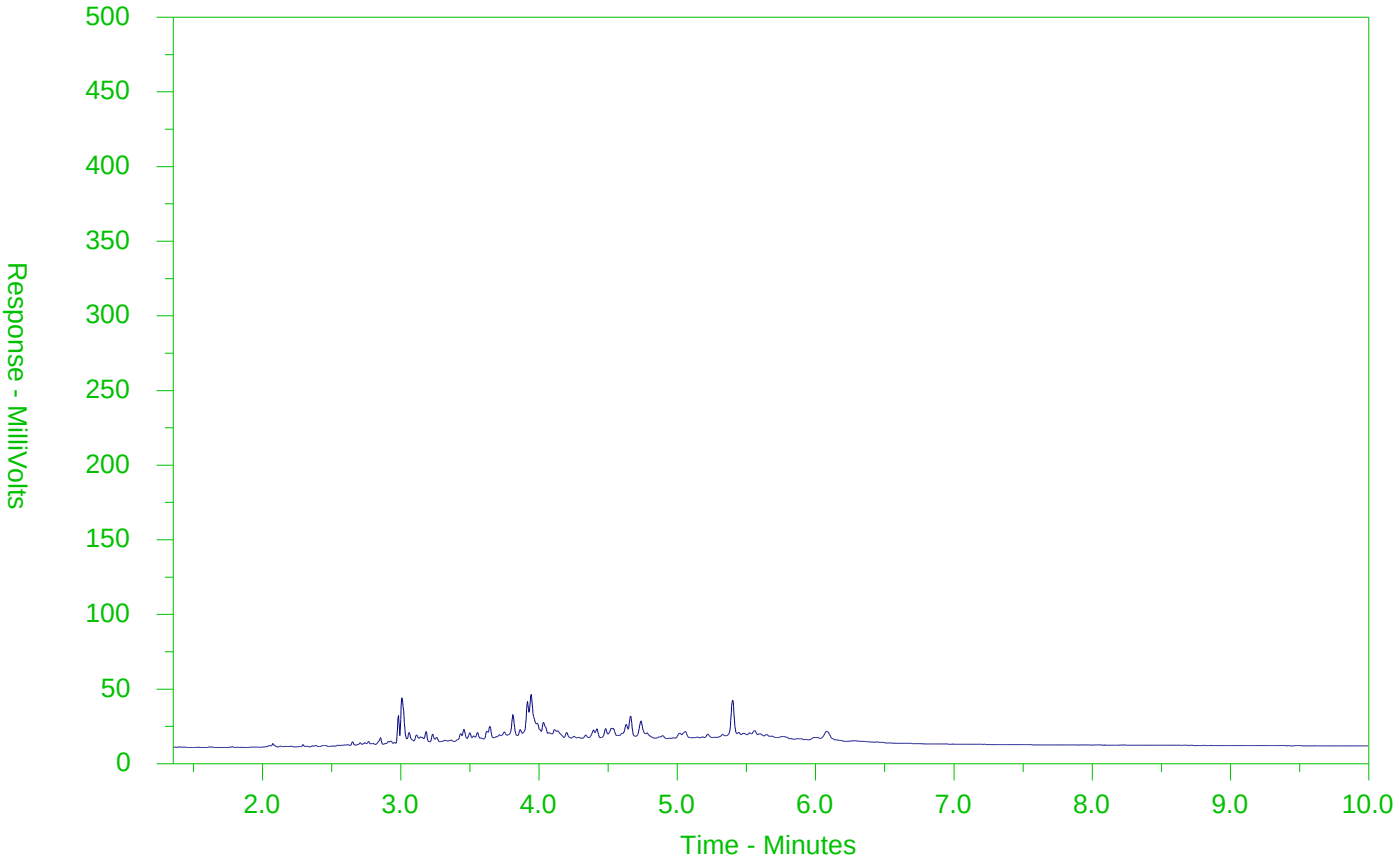
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-7
Client Sample ID: BH202-SS9



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

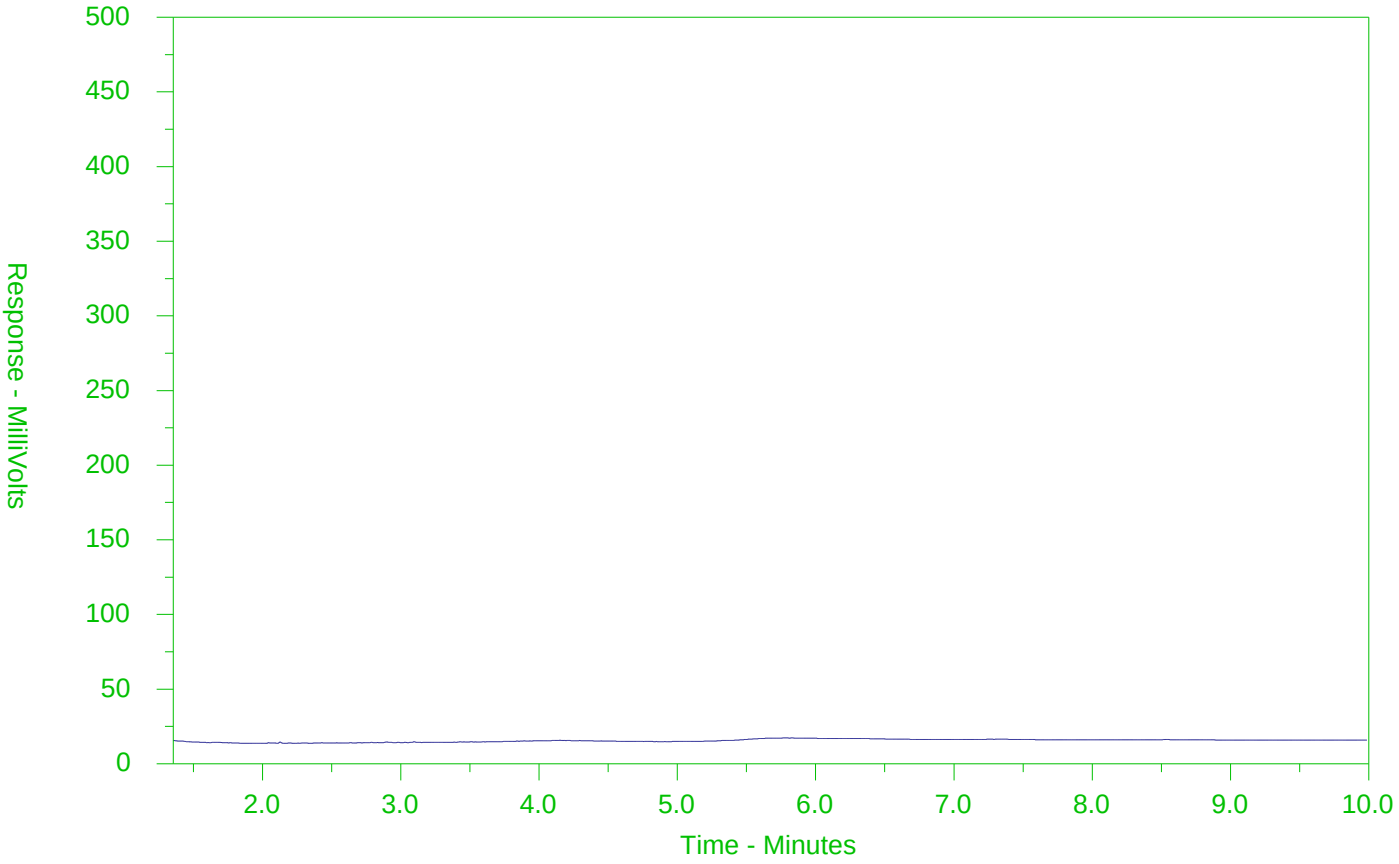
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-9
Client Sample ID: BH202-SS13



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

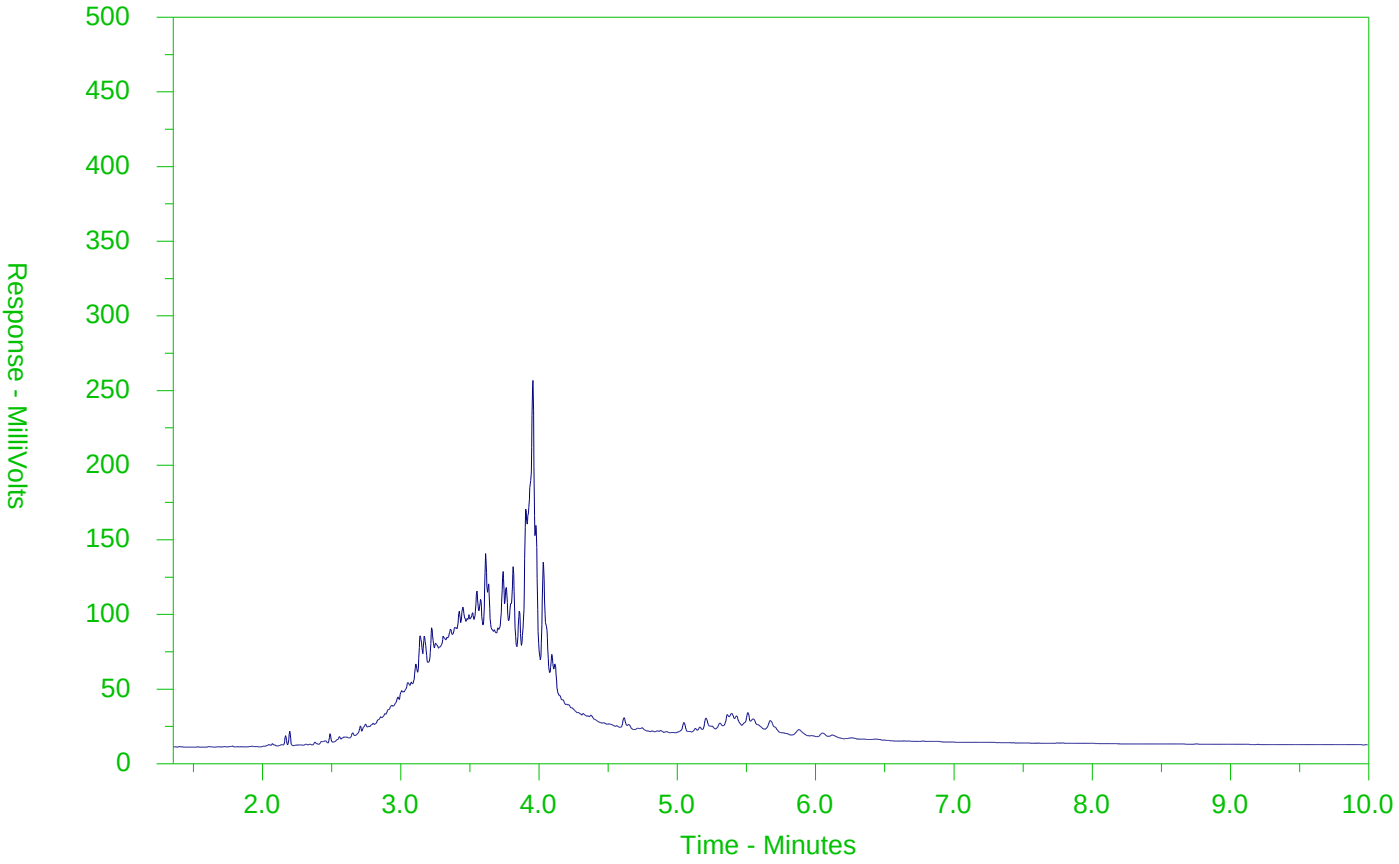
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-12
Client Sample ID: BH203-SS6



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

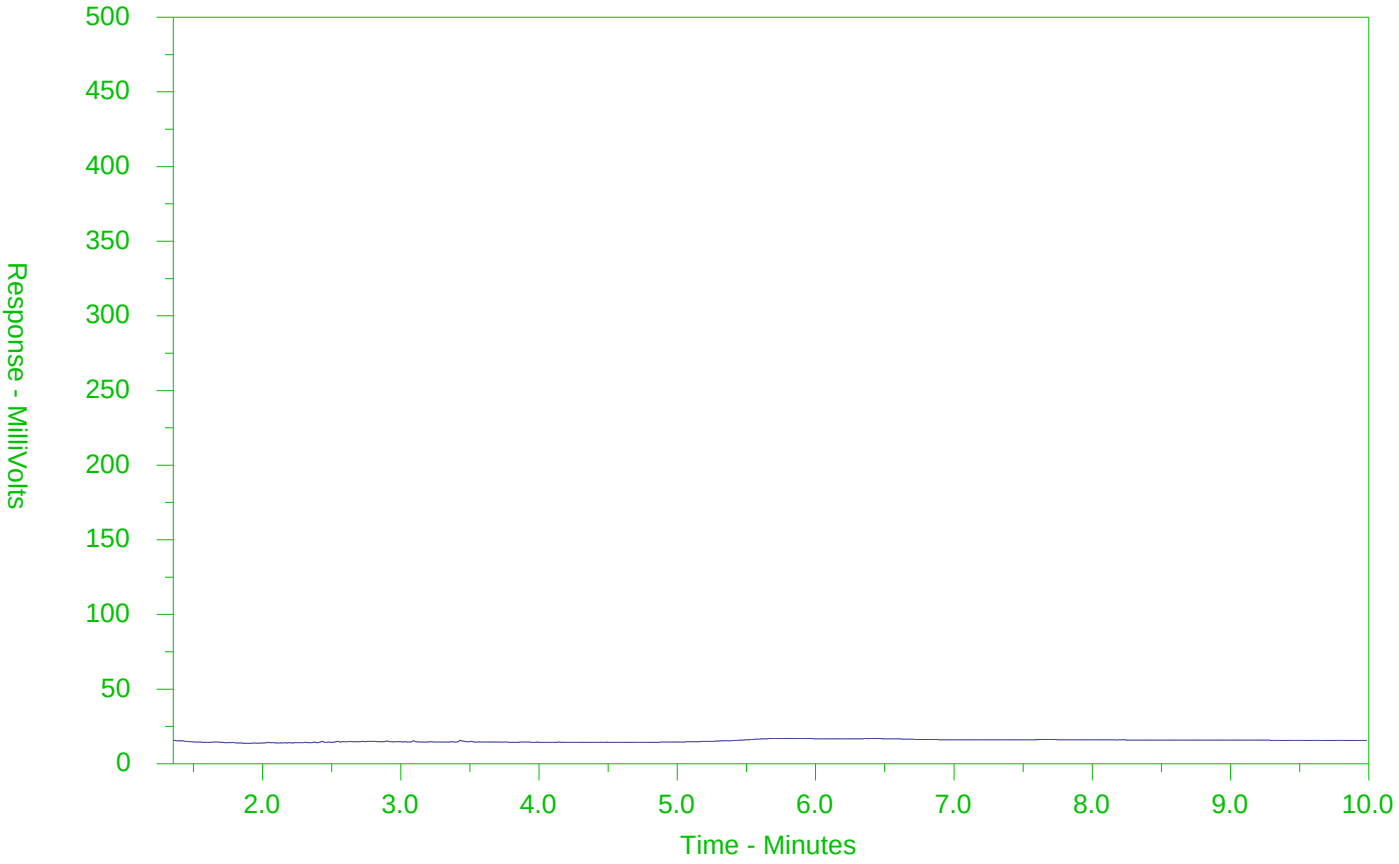
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-14
Client Sample ID: BH203-SS13



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

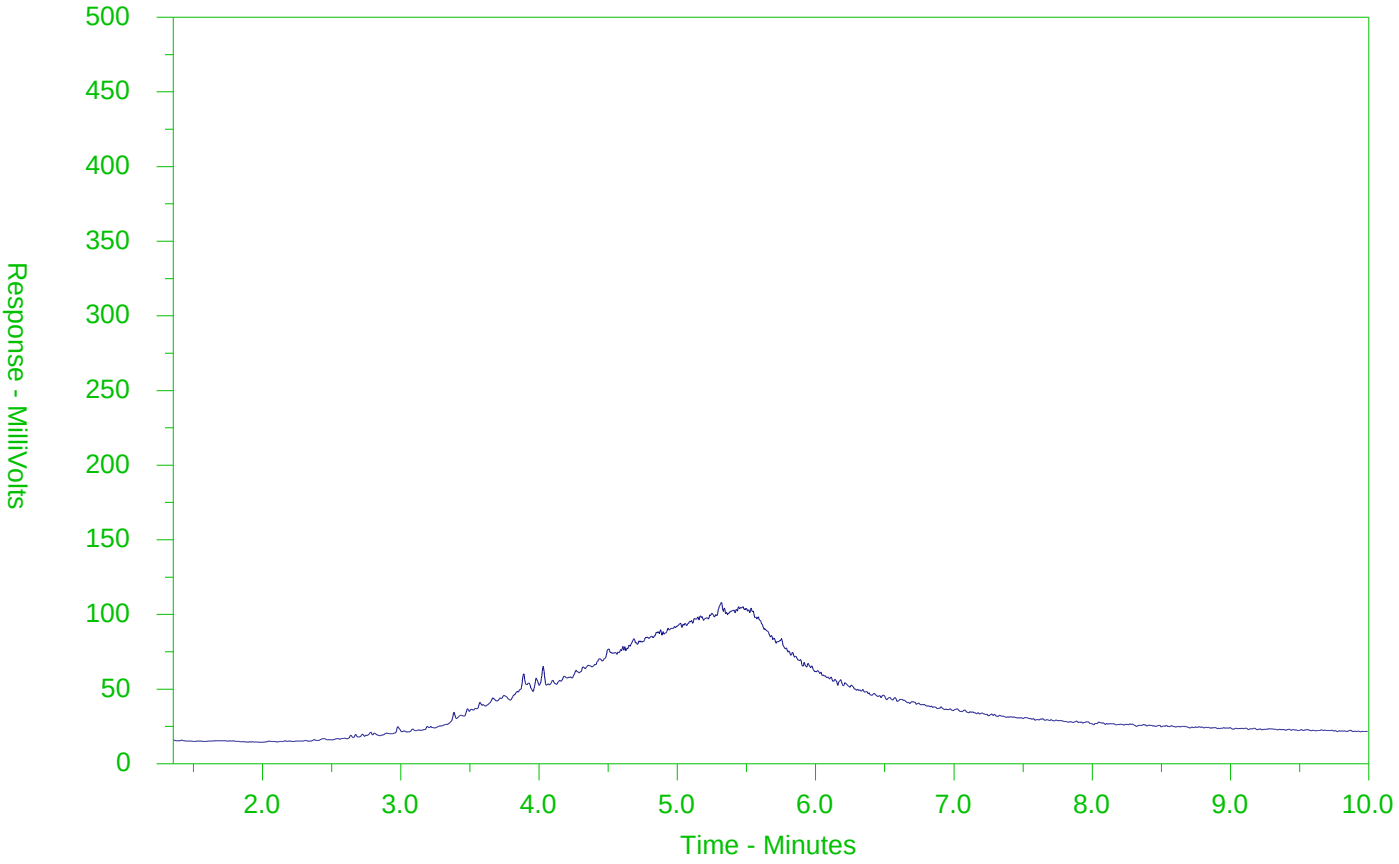
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-17
Client Sample ID: BH204-SS5



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

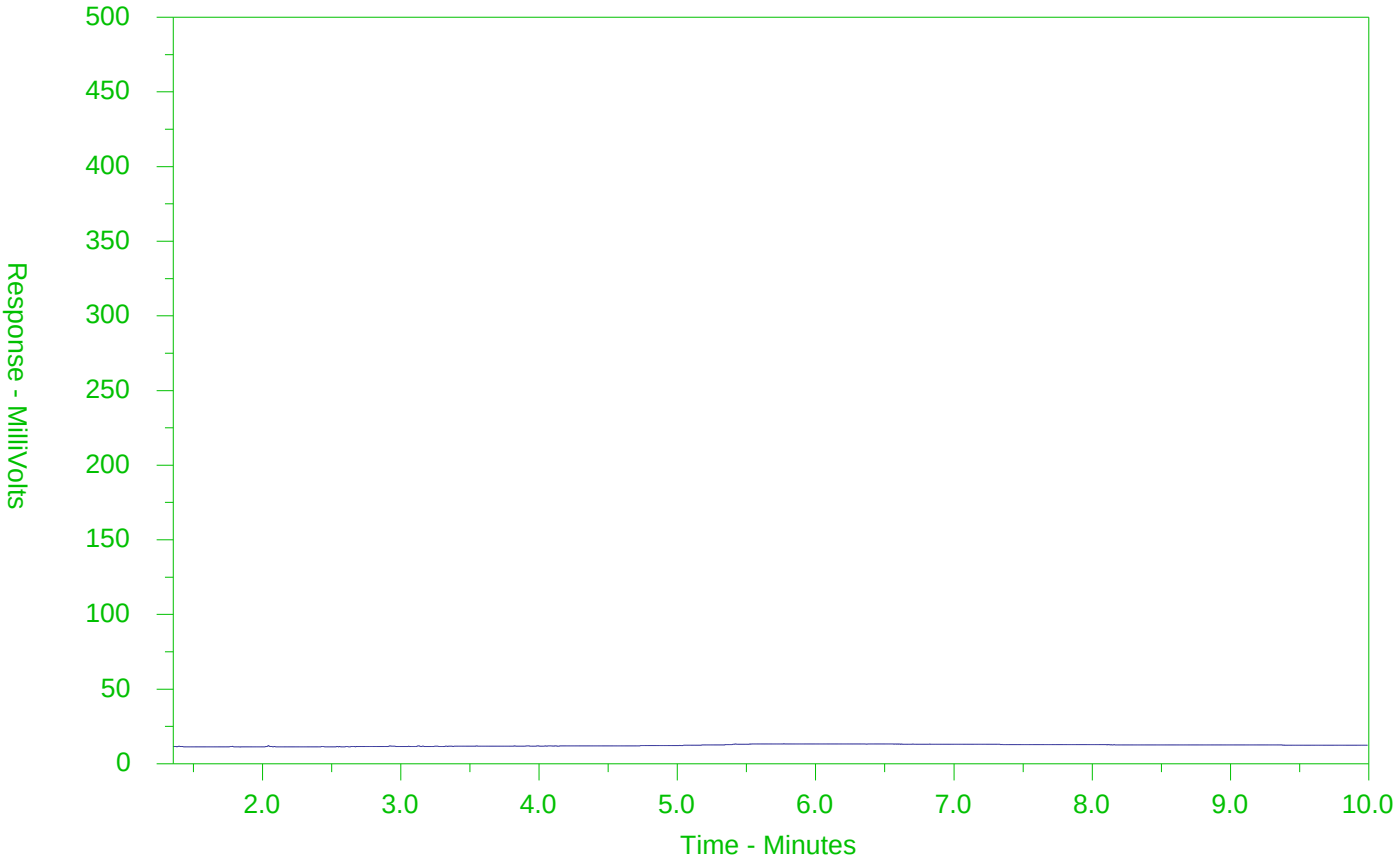
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-18
Client Sample ID: BH204-SS12



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

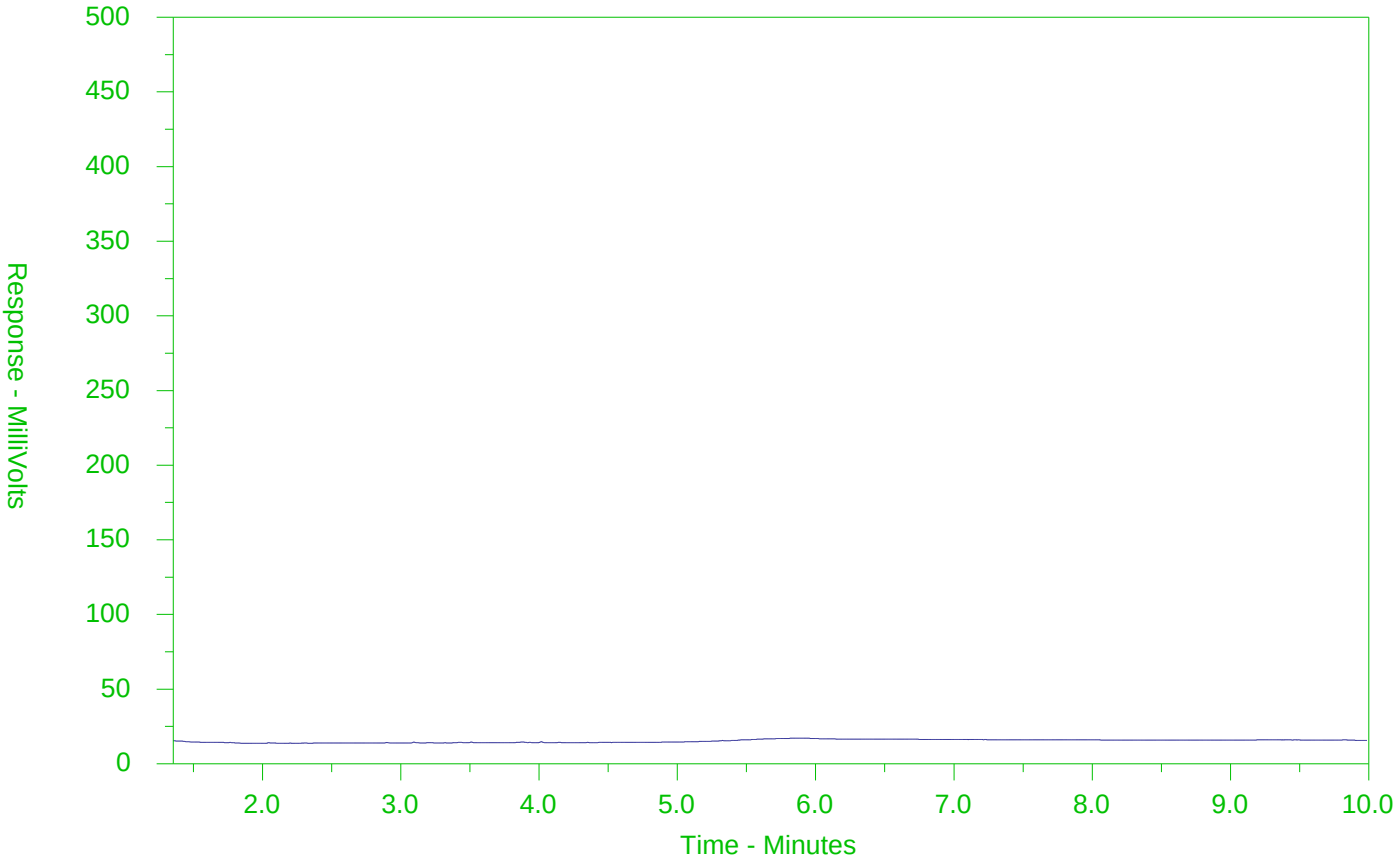
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-21
Client Sample ID: BH205-SS4



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

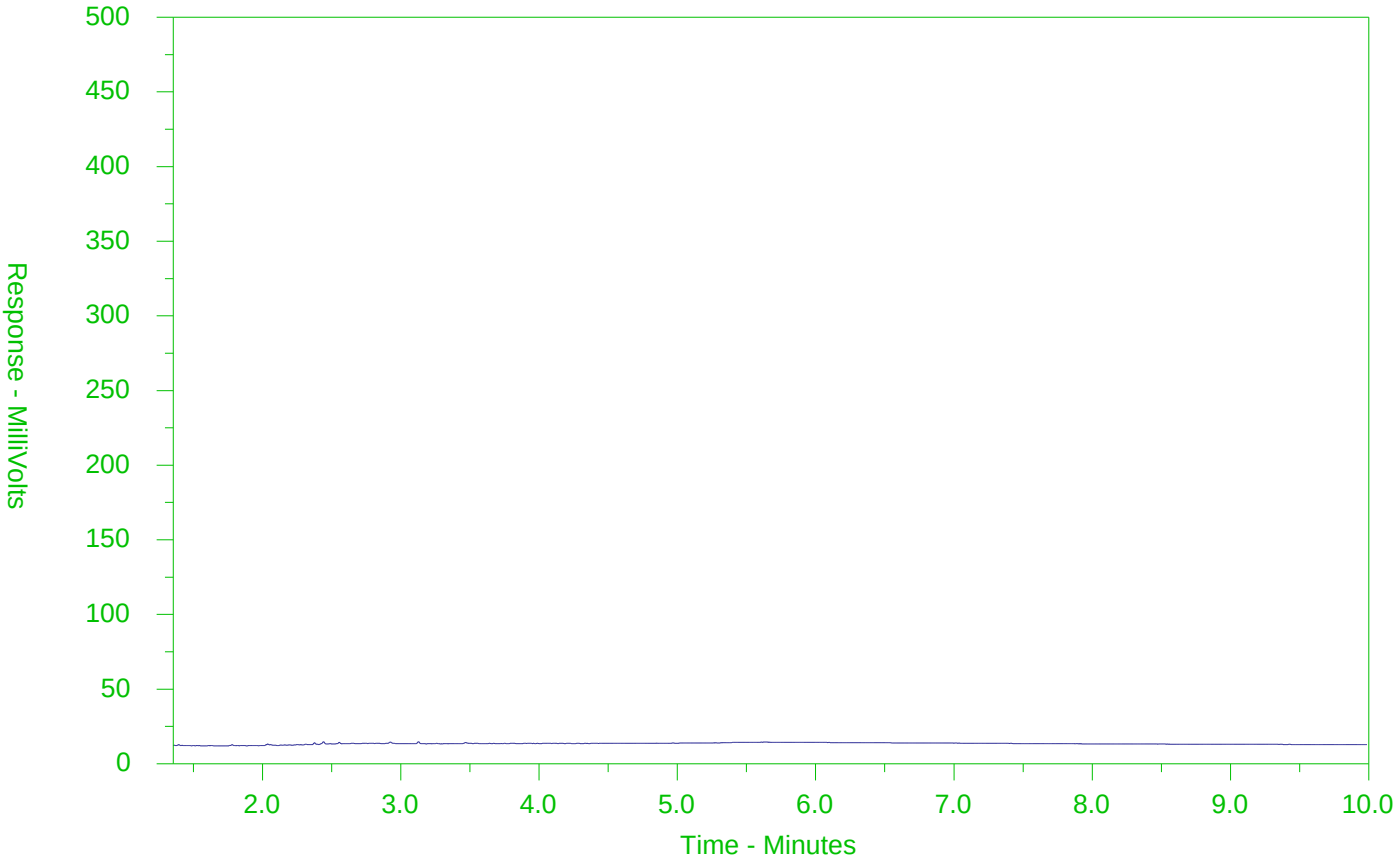
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-22
Client Sample ID: BH205-SS12



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

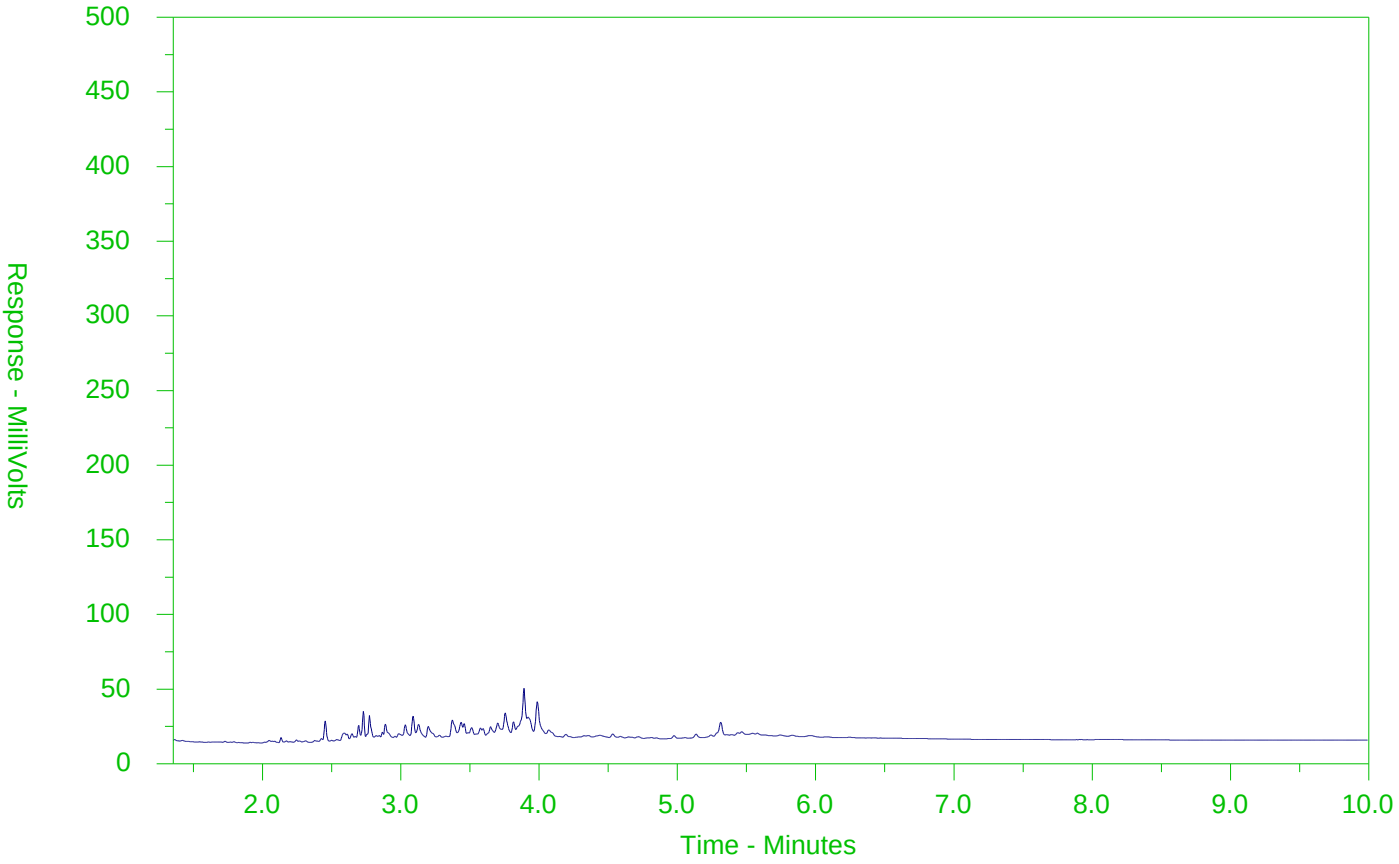
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-26
Client Sample ID: BH206-SS3



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

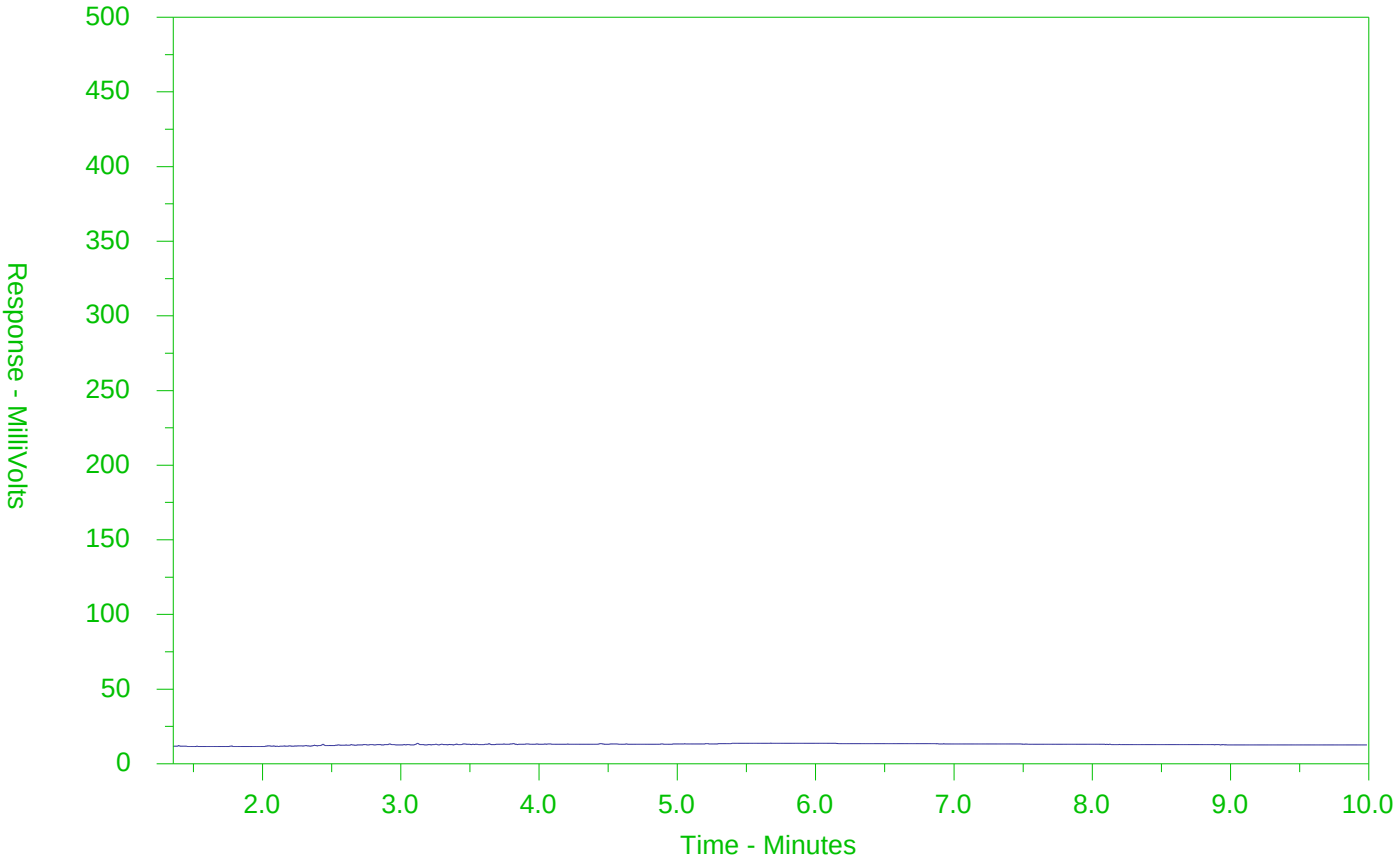
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-28
Client Sample ID: BH206-SS13



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

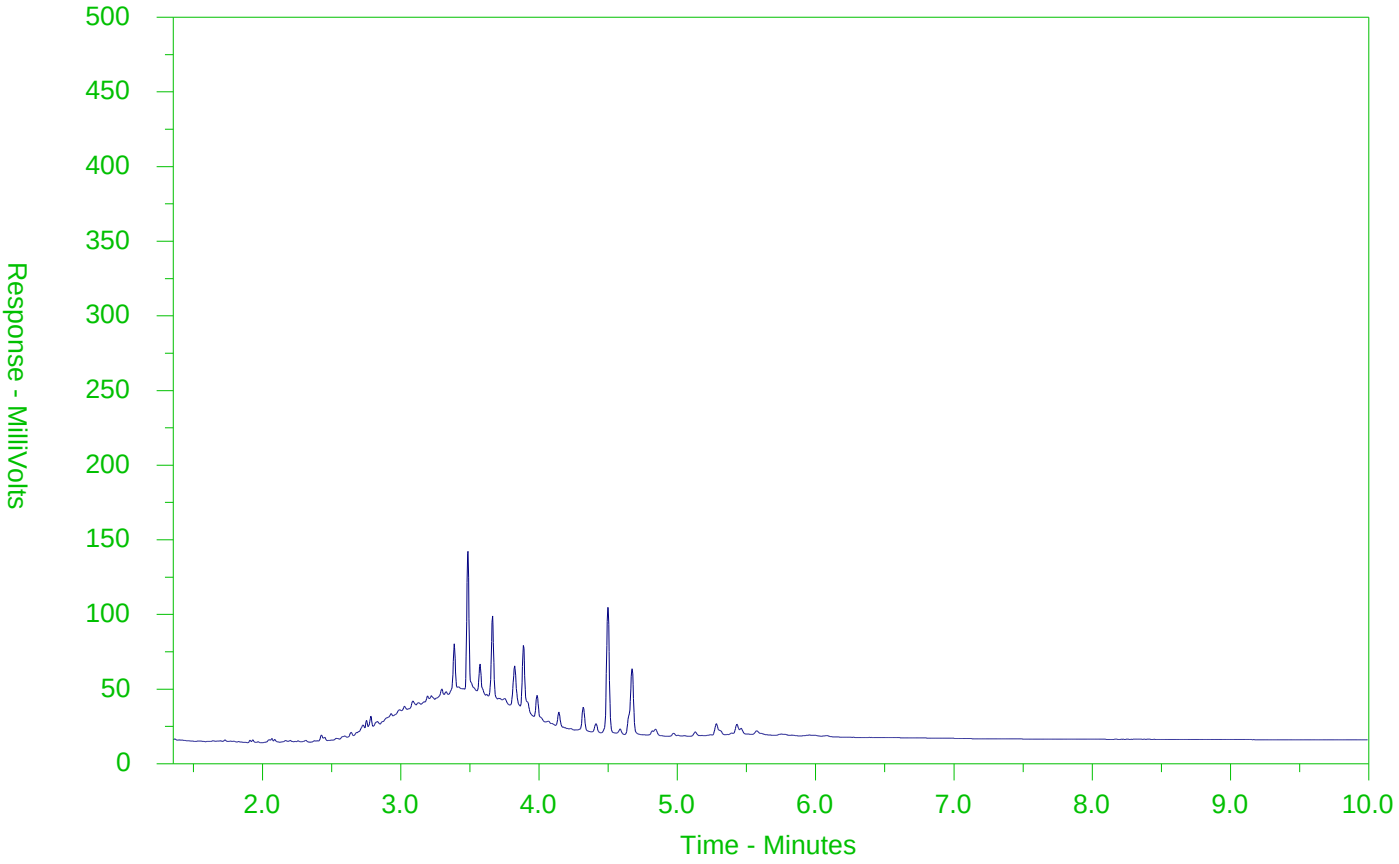
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-31
Client Sample ID: BH207-SS4



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

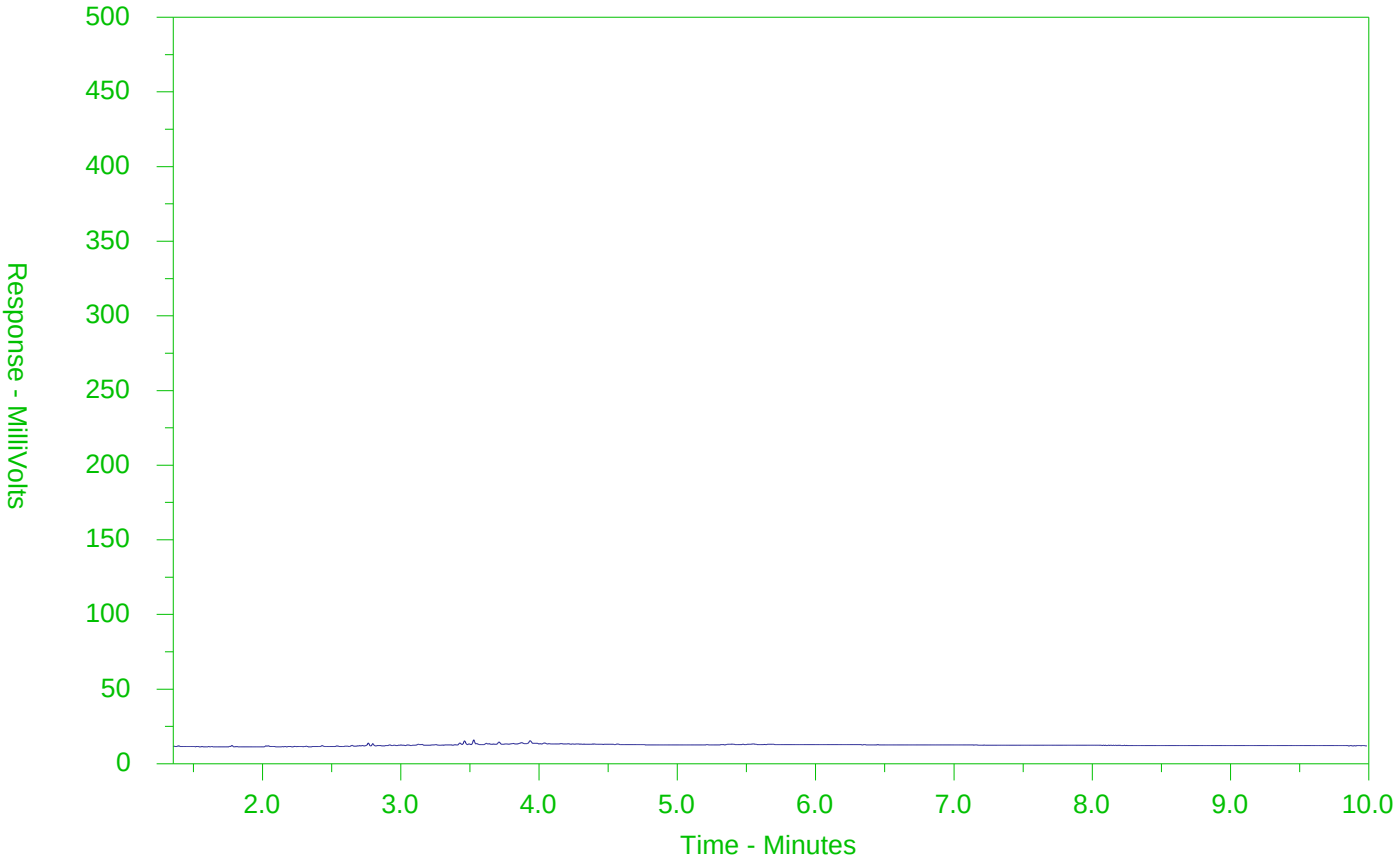
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-33
Client Sample ID: BH207-SS13



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

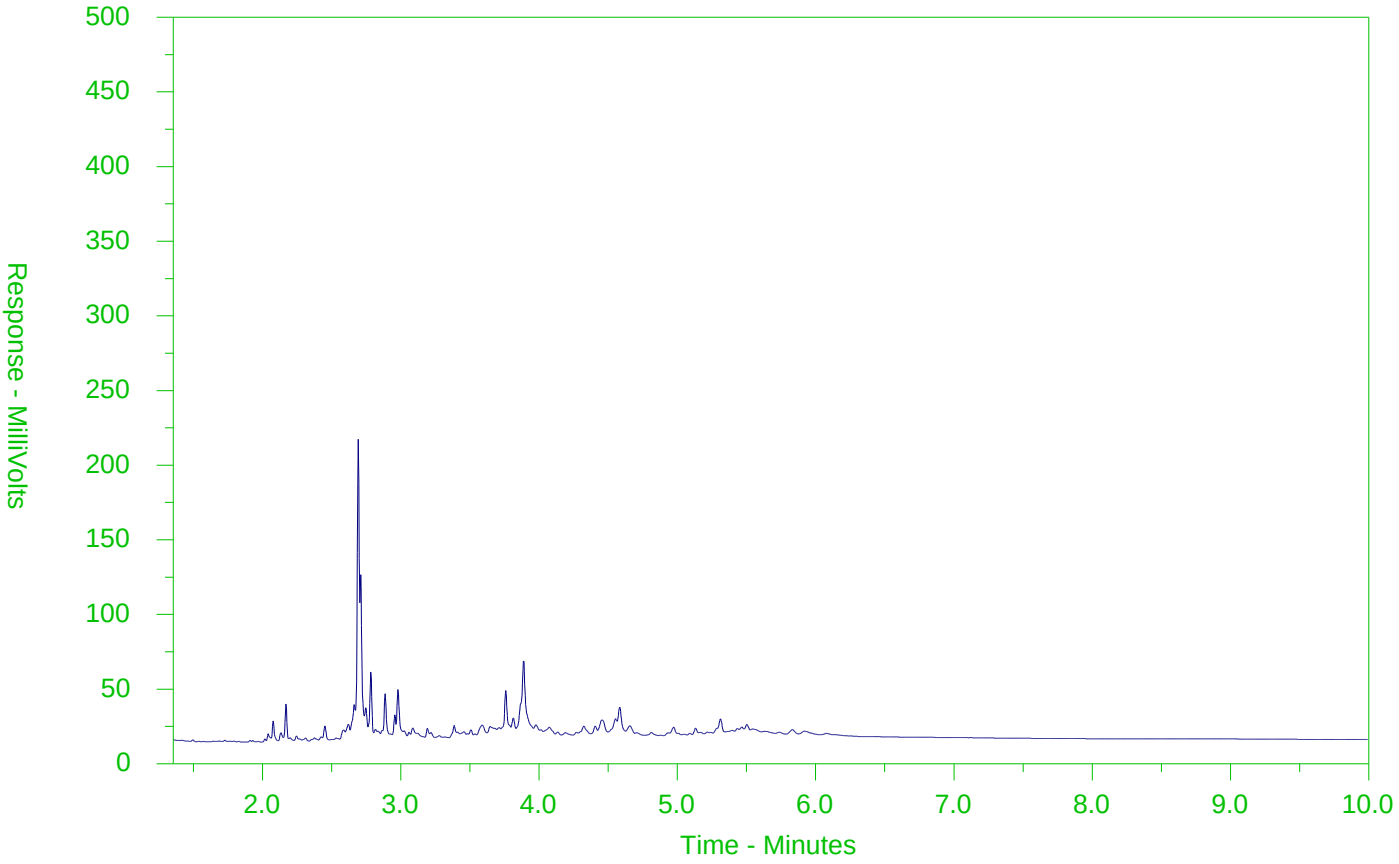
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-36
Client Sample ID: BH208-SS6



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

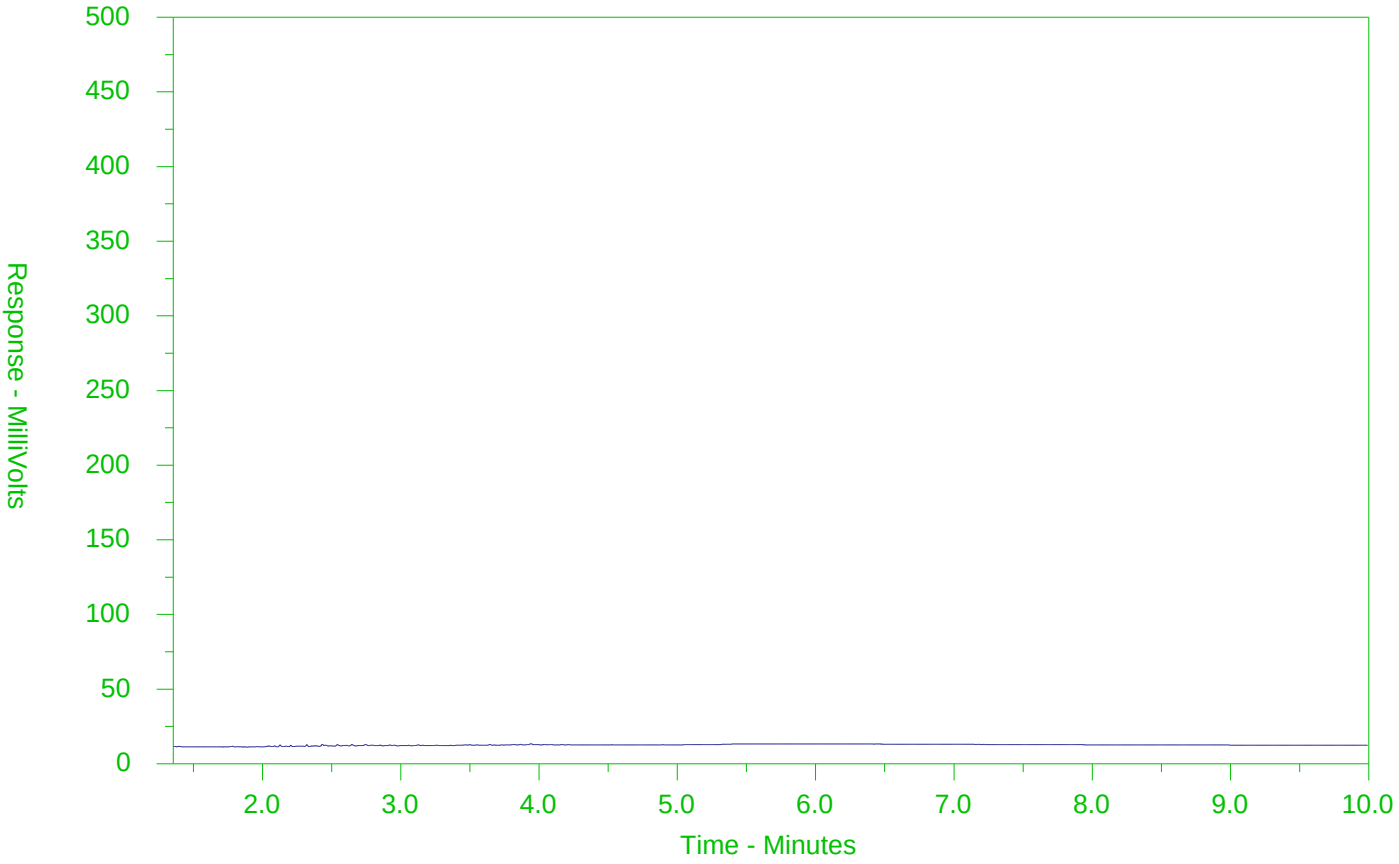
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-38
Client Sample ID: BH208-SS16



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

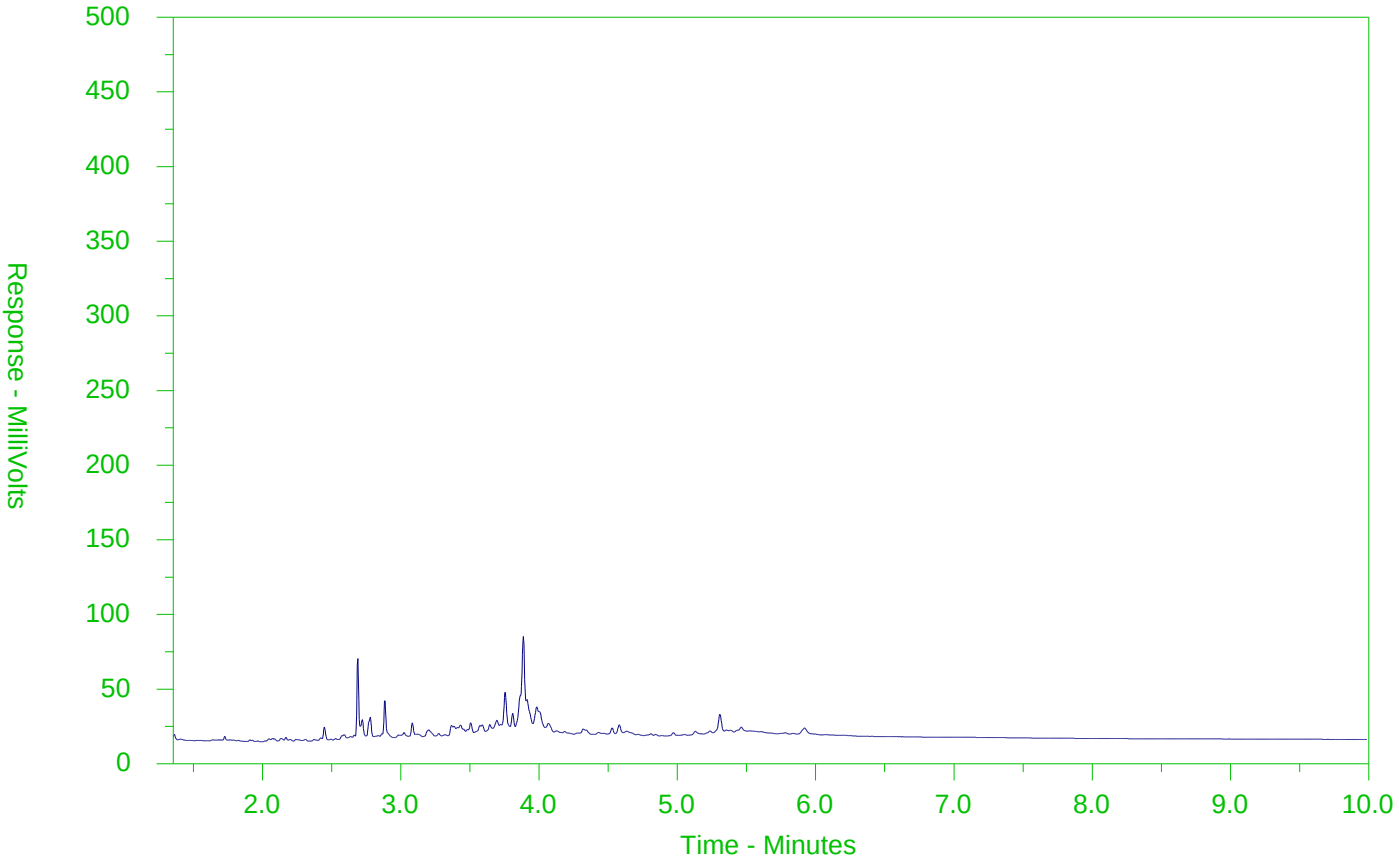
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-41
Client Sample ID: BH209-SS8



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

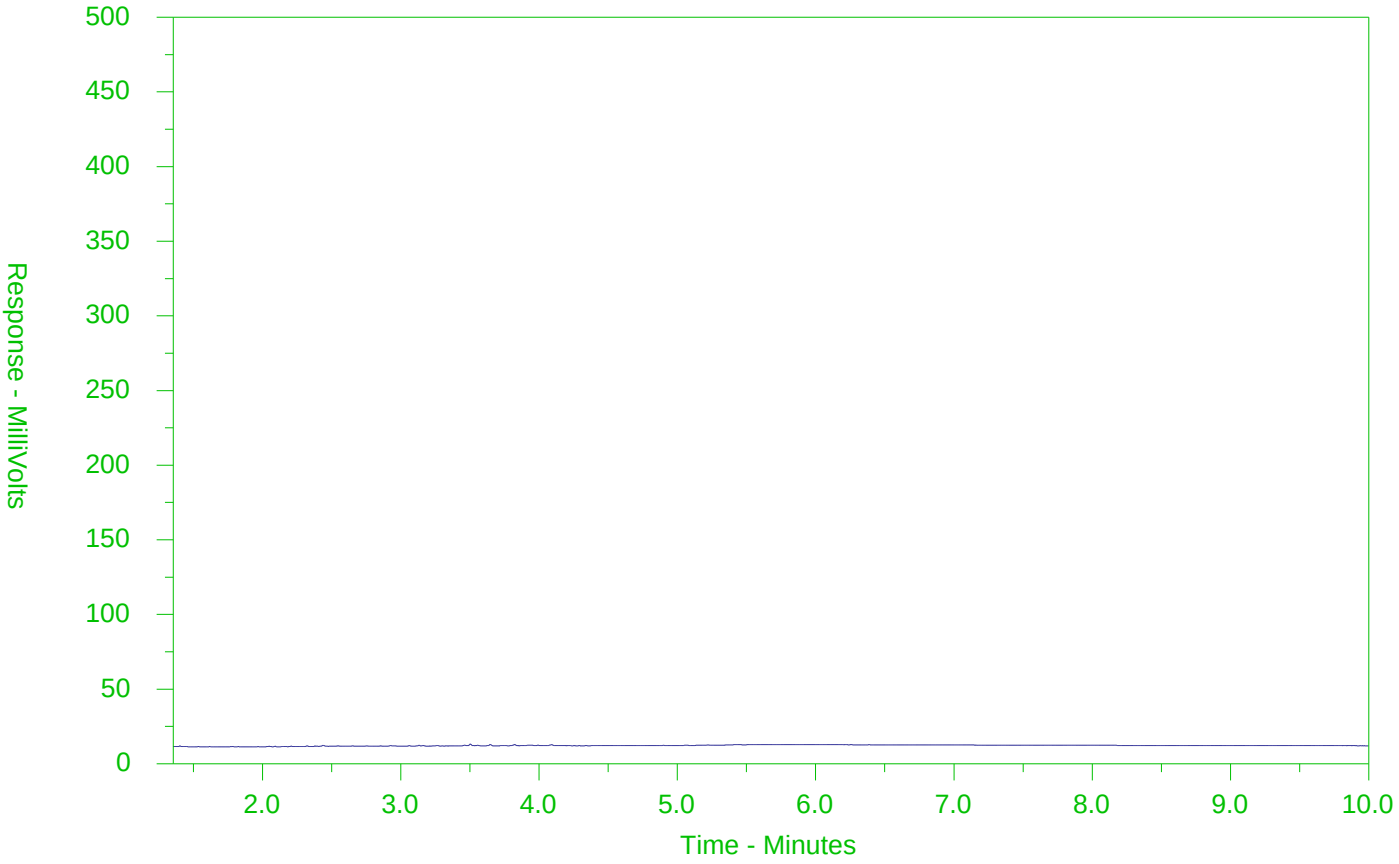
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-43
Client Sample ID: BH209-SS18



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

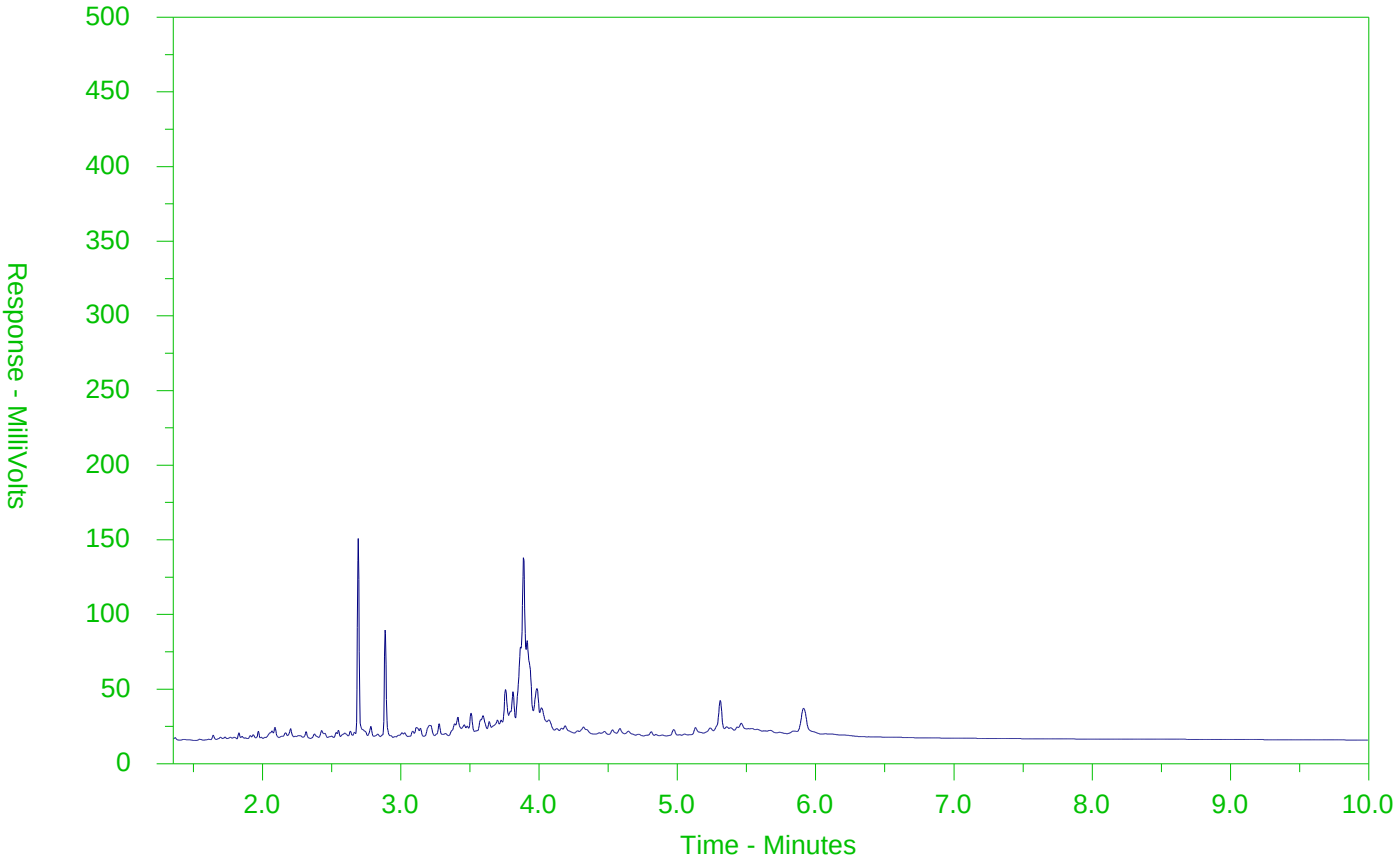
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-46
Client Sample ID: BH210-SS6



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

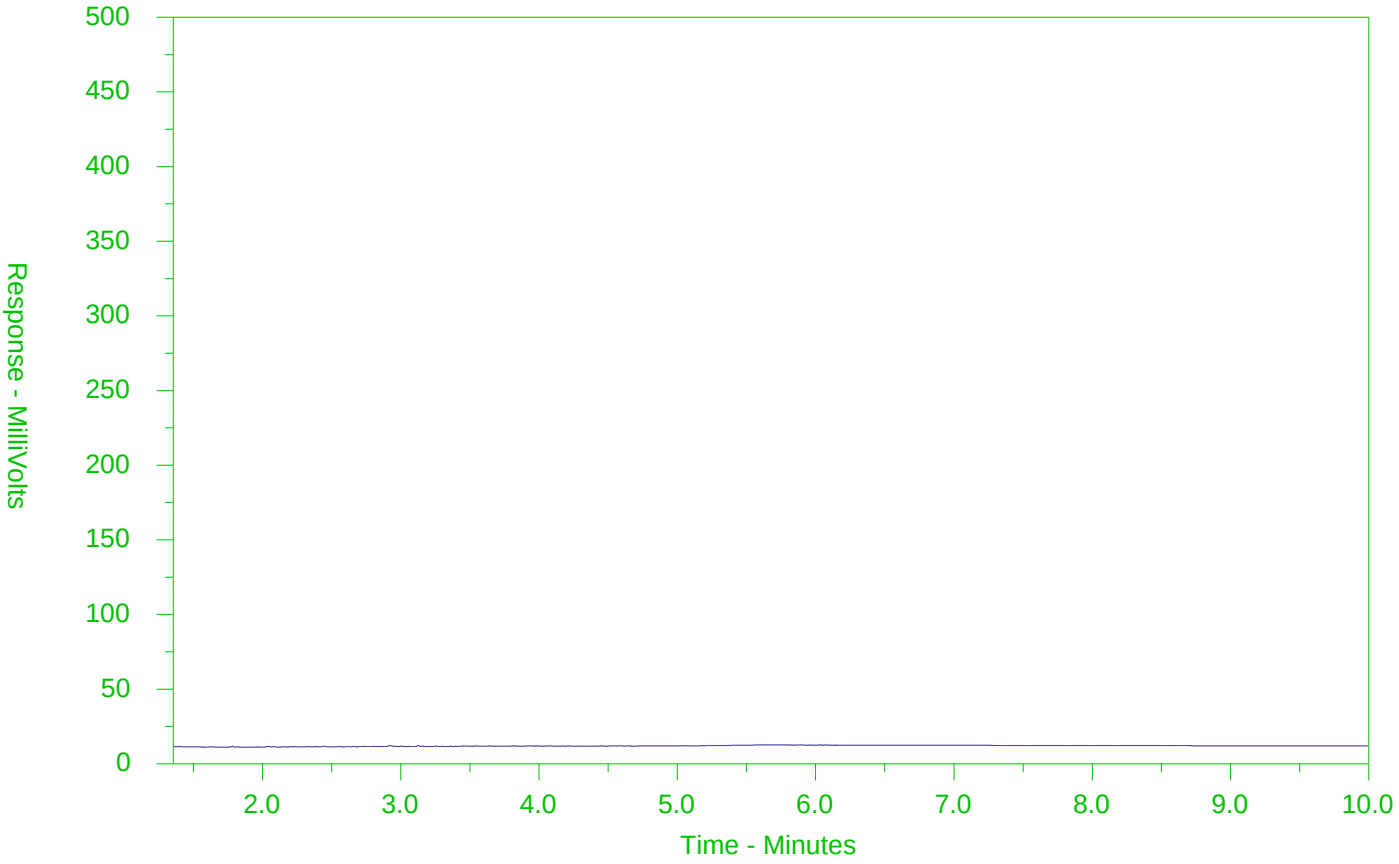
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-48
Client Sample ID: BH210-SS13



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

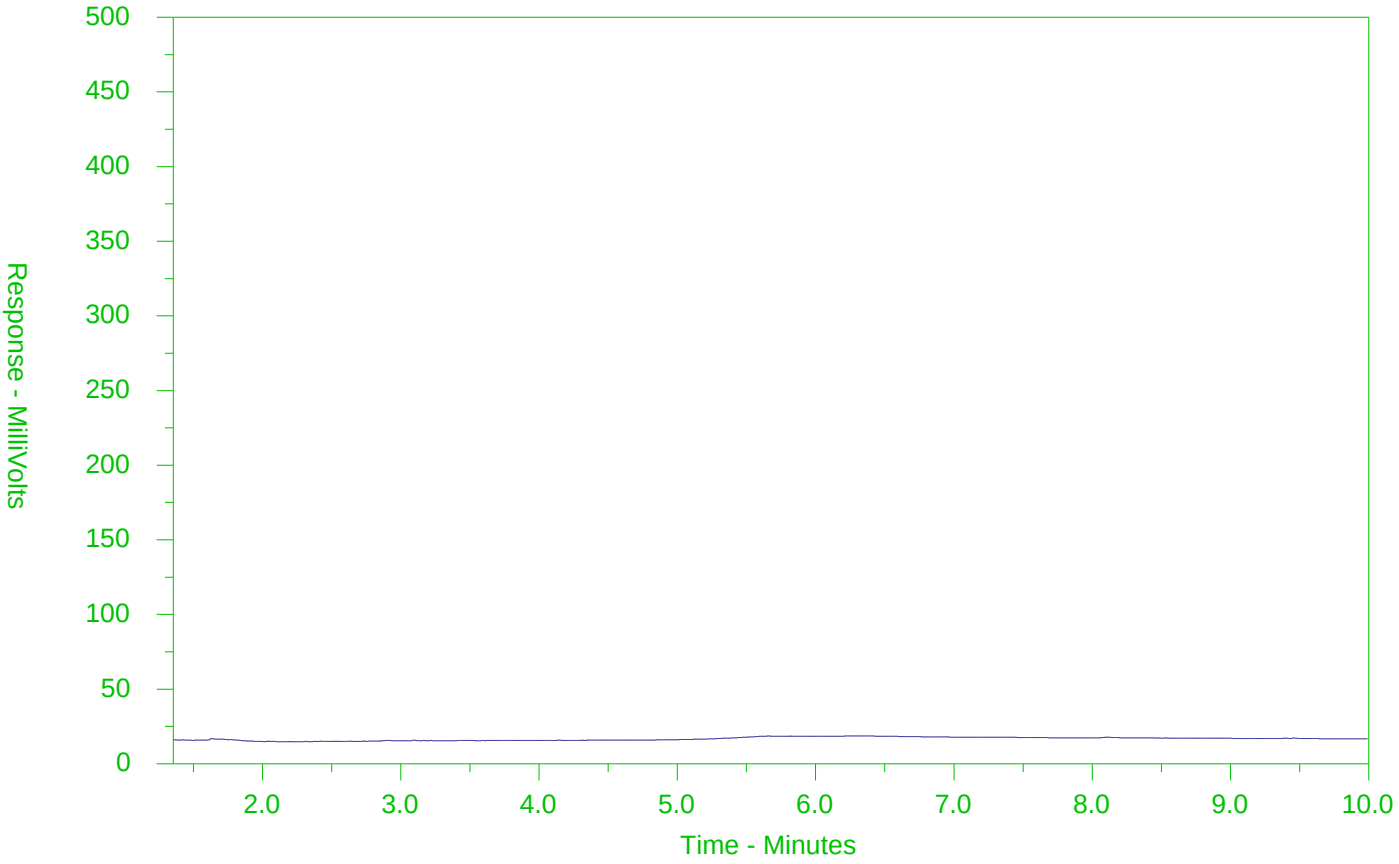
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-51
Client Sample ID: DUP 3



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

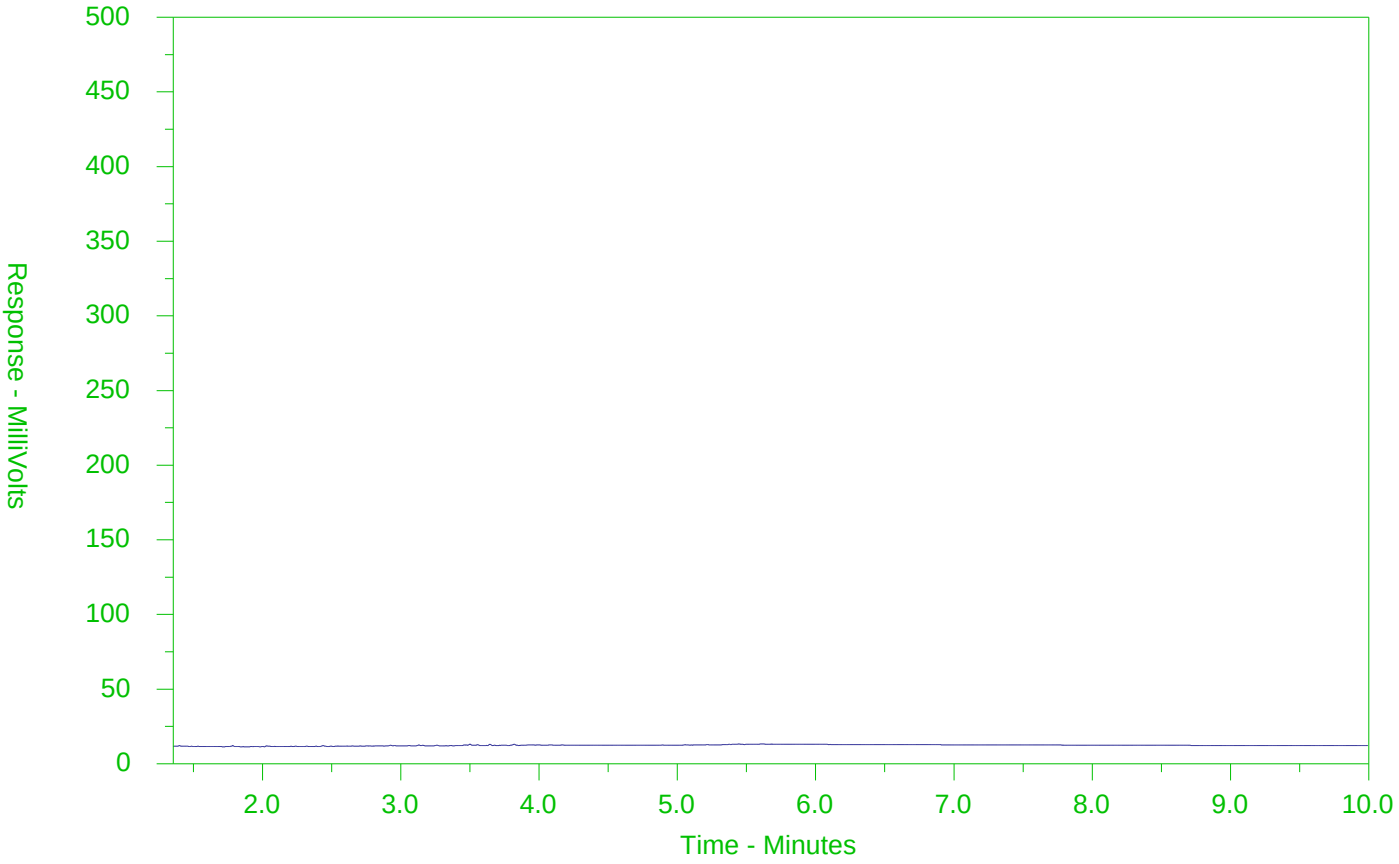
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1914068-55
Client Sample ID: DUP 7



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

Chain of Custody (COC) / Analytical Request Form

ALS Canada Ltd.
www.alsglobal.com

Canada Toll Free: 1 800 668 9878

L1914068-COFC

COC Number: 15 -

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Report To	Contact and company name below will appear on final report	Report Format / Distribution	Select Service Level Below (Please confirm all rush (E&P) TATs with your Account Manager)
Company:	Terraprobe	Select Report Format: PDF EXCEL EDD (DIGITAL)	Routine [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply
Contact:	Suvish Melanta	Quality Control (QC) Report with Report YES NO	PRIORITY: 4 day [P4] ☐ / 3 day [P3] ☐ / 2 day [P2] ☐ — EMERGENCY: 1 day [E1] ☐ / Same Day, Weekend or Statutory holiday [E0] ☐
Address:	11 Indel Lane. Brampton, ON L6T 3Y3	☑ Compare Results to Criteria on Report - provide details below if box checked	
		Select Distribution: EMAIL MAIL FAX	Date and Time Required for all E&P TATs (Not all requests are available in 1-2 days): dd-mmm-yy hh:mm
Phone:	(905) 796-2650	Email 1 or Fax: SMelanta@terraprobe.ca	Surcharges may apply to all E&P levels of service - contact ALS to confirm TAT
		Email 2: Matt@terraprobe.ca	
		Email 3:	

Invoice To	Same as Report To YES NO	Invoice Distribution	Analysis Request
	Copy of Invoice with Report YES NO	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax: accounting@terraprobe.ca	
Contact:		Email 2:	

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Account: 15918 / Quote:	AFE/Cost Center:	PO#
Job #:	1-17-0147	Major/Minor Code:	Routing Code:
PO / AFE:	1-17-0147	Requisitioner:	
LSD:	n/a	Location:	
ALS Lab Work Order # (lab use only)	L1914068 SH 18D	ALS Contact: E. Perez	Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals and Inorganics	PAHs	BTEX / F1-F4	VOCs	Number of Containers
1	BH201-SS1	10-Apr-17	9:00	SOIL	X				1
2	BH201-SS8		10:00			X	X	X	4
3	BH201-SS12		10:30		X				1
4	BH201-SS13		10:45			X	X	X	4
5	BH202-SS1		13:00			X			1
6	BH202-SS2		13:00		X				1
7	BH202-SS9		14:00				X	X	3
8	BH202-SS12	11-Apr-17	8:00		X	X			2
9	BH202-SS13		9:06				X	X	3
10	BH203-SS3		9:30		X				1
11	BH203-SS5		9:30			X			1
12	BH203-SS6		9:45				X	X	3

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (client Use)
Are samples taken from a Regulated DW System? YES NO	Table 2 / RPI / COARSE / RSC
Are samples for human drinking water use? YES NO	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐	SIF Observations Yes ☐ No ☐
Ice Packs ☐ Ice Cubes ☐	Custody seal intact Yes ☐ No ☐
Cooling Initiated ☐	

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			2.2	1.0	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: SH	Date: 18 APR 17	Time: 1500

SIF

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION — WHITE - LABORATORY COPY — YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1914068-COFC

COC Number: 15 -

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www.alsglobal.com

Report To	Contact and company name below will appear on final report	Report Format / Distribution	Please confirm all rush (E&P) TATs with your Account Manager)
Company:	Terraprobe	Select Report Format: PDF EXCEL EDD (DIGITAL)	Routine [R] Standard TAT if received by 3 pm - business days - no surcharges apply
Contact:	Suvish Melanta	Quality Control (QC) Report with Report YES NO	PRIORITY: 4 day [P4] ☐ 3 day [P3] ☐ 2 day [P2] ☐
Address:	11 Indel Lane. Brampton, ON L6T 3Y3	Compare Results to Criteria on Report - provide details below if box checked	EMERGENCY: 1 day [E1] ☐ Same Day, Weekend or Statutory holiday [E0] ☐
		Select Distribution: EMAIL MAIL FAX	Date and Time Required for all E&P TATs (Not all requests are available in 1-2 days): dd-mmm-yy hh:mm
Phone:	(905) 796-2650	Email 1 or Fax SMelanta@terraprobe.ca	Surcharges may apply to all E&P levels of service - contact ALS to confirm TAT
		Email 2 Matt@terraprobe.ca	
		Email 3	

Invoice To	Same as Report To YES NO	Invoice Distribution	Analysis Request
	Copy of Invoice with Report YES NO	Select Invoice Distribution: EMAIL MAIL FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax accounting@terraprobe.ca	
Contact:		Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Account: 15918 / Quote:	AFE/Cost Center:	PO#
Job #:	1-17-0147	Major/Minor Code:	Routing Code:
PO / AFE:	1-17-0147	Requisitioner:	
LSD:	n/a	Location:	
ALS Lab Work Order # (lab use only)	L1914068 SH 18	ALS Contact: E. Perez	Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals and Inorganics	PAHs	BTEX / F1-F4	VOCs	Number of Containers
13	BH203-SS12	11-Apr-17	11:00	SOIL	X	X			2
14	BH203-SS13		11:00				X	X	3
15	BH204-SS2		12:30			X			1
16	BH204-SS4		12:30		X				1
17	BH204-SS5		12:30				X	X	3
18	BH204-SS12		13:45		X	X	X	X	5
19	BH205-SS1		14:30		X				1
20	BH205-SS2		14:30			X			1
21	BH205-SS4		14:30				X	X	3
22	BH205-SS12	12-Apr-17	8:00				X	X	3
23	BH205-SS13		8:00		X	X			2
24	BH206-SS1		9:00			X			1

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (client Use)	SAMPLE CONDITION AS RECEIVED (lab use only)
Are samples taken from a Regulated DW System? YES NO	Table 2/RPI/COARSE/RSC	Frozen ☐ SIF Observations Yes ☐ No ☐
Are samples for human drinking water use? YES NO		Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐
		Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C	
			2.2	1.0

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: SH	Date: 18-APR-17	Time: 1500

SIF

Chain of Custody (COC) / Analytical Request Form

ALS Canada Ltd.

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L1914068-COFC

COC Number: 15 -

Page 3 of 5

Report To	Contact and company name below will appear on final report	Report Format / Distribution	Select Service Level Below (Please confirm all rush (E&P) TATs with your Account Manager)
Company:	Terraprobe	Select Report Format: PDF EXCEL EDD (DIGITAL)	Routine [R]: Standard TAT if received by 3 pm - business days - no surcharges apply
Contact:	Suvish Melanta	Quality Control (QC) Report with Report YES NO	PRIORITY: 4 day [P4] ☐ / 3 day [P3] ☐ / 2 day [P2] ☐ — EMERGENCY: 1 day [E1] ☐ / Same Day, Weekend or Statutory holiday [E0] ☐
Address:	11 Indel Lane, Brampton, ON L6T 3Y3	Compare Results to Criteria on Report - provide details below if box checked	Date and Time Required for all E&P TATs (Not all requests are available in 1-2 days): dd-mmm-yy hh:mm
Phone:	(905) 796-2650	Select Distribution: EMAIL MAIL FAX	Surcharges may apply to all E&P levels of service - contact ALS to confirm TAT
		Email 1 or Fax: SMelanta@terraprobe.ca	
		Email 2: Matt@terraprobe.ca	
		Email 3:	

Invoice To	Same as Report To YES NO	Invoice Distribution	Analysis Request
	Copy of Invoice with Report YES NO	Select Invoice Distribution: EMAIL MAIL FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax: accounting@terraprobe.ca	
Contact:		Email 2:	

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Account: 15918 / Quote:	AFE/Cost Center:	PO#:
Job #:	1-17-0147	Major/Minor Code:	Routing Code:
PO / AFE:	1-17-0147	Requisitioner:	
LSD:	n/a	Location:	

ALS Lab Work Order # (lab use only): L1914068 SH 18D

ALS Contact: E. Perez

Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals and Inorganics	PAHs	BTEX / F1-F4	VOCs	Number of Containers
25	BH206-SS2	12-Apr-17	9:00	SOIL	X				1
26	BH206-SS3		9:00				X	X	3
27	BH206-SS12		10:30		X	X			2
28	BH206-SS13		10:30				X	X	3
29	BH207-SS1		11:30		X				1
30	BH207-SS2		11:30			X			1
31	BH207-SS4		11:30				X	X	3
32	BH207-SS12		13:00		X	X			2
33	BH207-SS13		13:00				X	X	3
34	BH208-SS2		17:30		X				1
35	BH208-SS4		17:30			X			1
36	BH208-SS6		17:30				X	X	3

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (client Use)
Are samples taken from a Regulated DW System? YES NO	Table 2 / RPI / COARSE / RSC
Are samples for human drinking water use? YES NO	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			2.2	1.0	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: SH	Date: 18-APR-17	Time: 1500

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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OCTOBER 2015 FRONT

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L1914068-COFC

COC Number: 15 -

Page 4 of 5

Report To	Contact and company name below will appear on final report
Company:	Terraprobe
Contact:	Suvish Melanta
Address:	11 Indel Lane. Brampton, ON L6T 3Y3
Phone:	(905) 796-2650

Report Format / Distribution	
Select Report Format:	PDF / EXCEL / EDD (DIGITAL)
Quality Control (QC) Report with Report	YES / NO
Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	EMAIL / MAIL / FAX
Email 1 or Fax	SMelanta@terraprobe.ca
Email 2	Matt@terraprobe.ca
Email 3	

Select Service Level Below (Please confirm all rush (E&P) TATs with your Account Manager)			
Routine [R]	Standard TAT if received by 3 pm - business days - no surcharges apply		
PRIORITY	4 day [P4]	EMERGENCY	1 day [E1]
	3 day [P3]		Same Day, Weekend or Statutory holiday [E0]
	2 day [P2]		

Date and Time Required for all E&P TATs (Not all requests are available in 1-2 days): dd-mmm-yy hh:mm

Surcharges may apply to all E&P levels of service - contact ALS to confirm TAT

Invoice To	Same as Report To	YES / NO
	Copy of Invoice with Report	YES / NO
Company:		
Contact:		

Invoice Distribution	
Select Invoice Distribution:	EMAIL / MAIL / FAX
Email 1 or Fax	accounting@terraprobe.ca
Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Account: 15918 / Quote:	AFE/Cost Center:	PO#:
Job #:	1-17-0147	Major/Minor Code:	Routing Code:
PO / AFE:	1-17-0147	Requisitioner:	
LSD:	n/a	Location:	
ALS Lab Work Order # (lab use only)	L1914068 SH 18D	ALS Contact: E. Perez	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals and Inorganics	PAHs	BTEX / F1-F4	VOCs	Number of Containers
37	BH208-SS14	13-Apr-17	8:00	SOIL	X	X			2
38	BH208-SS16		8:00				X	X	3
39	BH209-SS2		10:00			X			1
40	BH209-SS3		10:00		X				1
41	BH209-SS8		11:00				X	X	3
42	BH209-SS17		12:00		X	X			2
43	BH209-SS18		12:00				X	X	3
44	BH210-SS1		14:00			X			1
45	BH210-SS2		14:00		X				1
46	BH210-SS6		15:00				X	X	3
47	BH210-SS12		18:00		X	X			2
48	BH210-SS13		18:00				X	X	3

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? YES / NO

Are samples for human drinking water use? YES / NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (client Use)

Table 2/RPI/COARSE/RSC

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C	
			2.2	1.0

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: SH	Date: 18-APR-17	Time: 1500

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Chain of Custody (COC) / Analytical Request Form

ALS Environmental

Canada Toll Free: 1 800 668 9878

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L1914068-COFC

COC Number: 15 -

Page 5 of 5

Report To	Contact and company name below will appear on final report
Company:	Terraprobe
Contact:	Suvish Melanta
Address:	11 Indel Lane. Brampton, ON L6T 3Y3
Phone:	(905) 796-2650

Report Format / Distribution

Select Report Format: PDF EXCEL EDD (DIGITAL)

Quality Control (QC) Report with Report YES NO

Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: EMAIL MAIL FAX

Email 1 or Fax: SMelanta@terraprobe.ca

Email 2: Matt@terraprobe.ca

Email 3:

Select Service Level Below (Please confirm all rush (E&P) TATs with your Account Manager)

Routine [R] Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY: 4 day [P4] ☐ | 3 day [P3] ☐ | 2 day [P2] ☐

EMERGENCY: 1 day [E1] ☐ | Same Day, Weekend or Statutory holiday [E0] ☐

Date and Time Required for all E&P TATs (Not all requests are available in 1-2 days): dd-mmm-yy hh:mm

Surcharges may apply to all E&P levels of service - contact ALS to confirm TAT

Invoice To	Same as Report To	YES	NO
	Copy of Invoice with Report	YES	NO
Company:			
Contact:			

Invoice Distribution

Select Invoice Distribution: EMAIL MAIL FAX

Email 1 or Fax: accounting@terraprobe.ca

Email 2:

Project Information

ALS Account # / Quote #:	Account: 15918 / Quote:
Job #:	1-17-0147
PO / AFE:	1-17-0147
LSD:	n/a

Oil and Gas Required Fields (client use)

AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): L1914068 SH 1 80

ALS Contact: E. Perez

Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals and Inorganics	PAHs	BTEX / F1-F4	VOCs	Number of Containers
49	DUP 1	11-Apr-17	14:30	SOIL	X				1
4850	DUP 2	11-Apr-17	14:30			X			1
51	DUP 3	12-Apr-17	8:00				X		2
52	DUP 4	12-Apr-17	8:00					X	2
53	DUP 5	13-Apr-17	10:00			X			1
54	DUP 6	13-Apr-17	10:00		X				1
55	DUP 7	13-Apr-17	12:00				X		2
56	DUP 8	13-Apr-17	12:00					X	2

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? YES NO

Are samples for human drinking water use? YES NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (client Use)

Table 2 / RPI / COARSE / RSC

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C	
			2.2	1.0

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
						SH	18-APR-17	1500

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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SIF

TERRAPROBE-BRAMPTON
ATTN: Suvish Melanta
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8

Date Received: 30-JUN-17
Report Date: 10-JUL-17 12:00 (MT)
Version: FINAL

Client Phone: 905-796-2650

Certificate of Analysis

Lab Work Order #: L1951949

Project P.O. #: NOT SUBMITTED
Job Reference: 1-17-0147-42
C of C Numbers: 15-548317
Legal Site Desc:

Emerson Perez, B.S.E
Account Manager

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Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-1 BH301 SA1						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Physical Tests						
Conductivity	0.121		0.0040	mS/cm	06-JUL-17	0.7
% Moisture	15.0		0.10	%	04-JUL-17	
pH	7.58		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	0.23	SAR:M	0.10	SAR	06-JUL-17	5
Calcium (Ca)	10.1		1.0	mg/L	06-JUL-17	
Magnesium (Mg)	<1.0		1.0	mg/L	06-JUL-17	
Sodium (Na)	2.7		1.0	mg/L	06-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	06-JUL-17	7.5
Arsenic (As)	1.9		1.0	ug/g	06-JUL-17	18
Barium (Ba)	64.3		1.0	ug/g	06-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	06-JUL-17	4
Boron (B)	5.4		5.0	ug/g	06-JUL-17	120
Boron (B), Hot Water Ext.	<0.10		0.10	ug/g	06-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	06-JUL-17	1.2
Chromium (Cr)	16.4		1.0	ug/g	06-JUL-17	160
Cobalt (Co)	4.9		1.0	ug/g	06-JUL-17	22
Copper (Cu)	8.4		1.0	ug/g	06-JUL-17	140
Lead (Pb)	6.2		1.0	ug/g	06-JUL-17	120
Mercury (Hg)	0.0298		0.0050	ug/g	06-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	06-JUL-17	6.9
Nickel (Ni)	9.2		1.0	ug/g	06-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	06-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	06-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	06-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	06-JUL-17	23
Vanadium (V)	32.7		1.0	ug/g	06-JUL-17	86
Zinc (Zn)	25.6		5.0	ug/g	06-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	<0.20		0.20	ug/g	05-JUL-17	8
L1951949-2 BH301 SA2						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Physical Tests						
% Moisture	11.2		0.10	%	04-JUL-17	
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-2 BH301 SA2						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						
Volatile Organic Compounds						
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	103.8		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	105.6		50-140	%	06-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-2 BH301 SA2						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Hydrocarbons						
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	85.1		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	107.6		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	110.9		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	114.7		50-140	%	07-JUL-17	
L1951949-3 BH301 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Physical Tests						
Conductivity	0.0933		0.0040	mS/cm	06-JUL-17	0.7
% Moisture	21.3		0.10	%	04-JUL-17	
pH	7.97		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	0.26		0.10	SAR	06-JUL-17	5
Calcium (Ca)	2.9		1.0	mg/L	06-JUL-17	
Magnesium (Mg)	2.0		1.0	mg/L	06-JUL-17	
Sodium (Na)	2.4		1.0	mg/L	06-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	06-JUL-17	7.5
Arsenic (As)	1.2		1.0	ug/g	06-JUL-17	18
Barium (Ba)	32.5		1.0	ug/g	06-JUL-17	390

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-3 BH301 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						
Metals						
Beryllium (Be)	<0.50		0.50	ug/g	06-JUL-17	4
Boron (B)	<5.0		5.0	ug/g	06-JUL-17	120
Boron (B), Hot Water Ext.	<0.10		0.10	ug/g	06-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	06-JUL-17	1.2
Chromium (Cr)	10.1		1.0	ug/g	06-JUL-17	160
Cobalt (Co)	3.2		1.0	ug/g	06-JUL-17	22
Copper (Cu)	6.2		1.0	ug/g	06-JUL-17	140
Lead (Pb)	1.9		1.0	ug/g	06-JUL-17	120
Mercury (Hg)	<0.0050		0.0050	ug/g	06-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	06-JUL-17	6.9
Nickel (Ni)	6.3		1.0	ug/g	06-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	06-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	06-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	06-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	06-JUL-17	23
Vanadium (V)	20.5		1.0	ug/g	06-JUL-17	86
Zinc (Zn)	14.4		5.0	ug/g	06-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	<0.20		0.20	ug/g	05-JUL-17	8
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-3 BH301 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						
Volatile Organic Compounds						
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	93.0		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	94.4		50-140	%	06-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	87.3		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	94.2		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
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T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-3 BH301 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Polycyclic Aromatic Hydrocarbons						
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	108.9		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	110.9		50-140	%	07-JUL-17	
L1951949-4 BH302 SA1						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Physical Tests						
Conductivity	0.113		0.0040	mS/cm	07-JUL-17	0.7
% Moisture	11.3		0.10	%	04-JUL-17	
pH	7.52		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	0.17	SAR:M	0.10	SAR	07-JUL-17	5
Calcium (Ca)	8.1		1.0	mg/L	07-JUL-17	
Magnesium (Mg)	<1.0		1.0	mg/L	07-JUL-17	
Sodium (Na)	1.8		1.0	mg/L	07-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	06-JUL-17	7.5
Arsenic (As)	1.6		1.0	ug/g	06-JUL-17	18
Barium (Ba)	76.7		1.0	ug/g	06-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	06-JUL-17	4
Boron (B)	6.1		5.0	ug/g	06-JUL-17	120
Boron (B), Hot Water Ext.	<0.10		0.10	ug/g	06-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	06-JUL-17	1.2
Chromium (Cr)	17.0		1.0	ug/g	06-JUL-17	160
Cobalt (Co)	5.5		1.0	ug/g	06-JUL-17	22
Copper (Cu)	10.7		1.0	ug/g	06-JUL-17	140
Lead (Pb)	4.2		1.0	ug/g	06-JUL-17	120
Mercury (Hg)	0.0177		0.0050	ug/g	06-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	06-JUL-17	6.9
Nickel (Ni)	9.9		1.0	ug/g	06-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	06-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	06-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	06-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	06-JUL-17	23
Vanadium (V)	32.4		1.0	ug/g	06-JUL-17	86
Zinc (Zn)	30.0		5.0	ug/g	06-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	0.29		0.20	ug/g	05-JUL-17	8

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-5 BH302 SA2						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						
Physical Tests						
% Moisture	13.5		0.10	%	04-JUL-17	
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	100.8		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	101.5		50-140	%	06-JUL-17	

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-5 BH302 SA2						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	82.3		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	95.8		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	109.7		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	112.9		50-140	%	07-JUL-17	
L1951949-6 BH302 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Physical Tests						
Conductivity	0.110		0.0040	mS/cm	07-JUL-17	0.7
% Moisture	18.3		0.10	%	04-JUL-17	
pH	8.15		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	0.49		0.10	SAR	07-JUL-17	5
Calcium (Ca)	3.7		1.0	mg/L	07-JUL-17	

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
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T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-6 BH302 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						
Saturated Paste Extractables						
Magnesium (Mg)	2.6		1.0	mg/L	07-JUL-17	
Sodium (Na)	5.0		1.0	mg/L	07-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	06-JUL-17	7.5
Arsenic (As)	1.3		1.0	ug/g	06-JUL-17	18
Barium (Ba)	49.8		1.0	ug/g	06-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	06-JUL-17	4
Boron (B)	5.9		5.0	ug/g	06-JUL-17	120
Boron (B), Hot Water Ext.	<0.10		0.10	ug/g	06-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	06-JUL-17	1.2
Chromium (Cr)	13.3		1.0	ug/g	06-JUL-17	160
Cobalt (Co)	4.3		1.0	ug/g	06-JUL-17	22
Copper (Cu)	8.0		1.0	ug/g	06-JUL-17	140
Lead (Pb)	2.5		1.0	ug/g	06-JUL-17	120
Mercury (Hg)	<0.0050		0.0050	ug/g	06-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	06-JUL-17	6.9
Nickel (Ni)	8.3		1.0	ug/g	06-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	06-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	06-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	06-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	06-JUL-17	23
Vanadium (V)	25.3		1.0	ug/g	06-JUL-17	86
Zinc (Zn)	21.3		5.0	ug/g	06-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	<0.20		0.20	ug/g	05-JUL-17	8
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-6 BH302 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						
Volatile Organic Compounds						
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	97.1		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	97.7		50-140	%	06-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	84.5		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	96.0		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-6 BH302 SA11						
Sampled By: CLIENT on 28-JUN-17						
Matrix: SOIL						#1
Polycyclic Aromatic Hydrocarbons						
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	97.7		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	98.4		50-140	%	07-JUL-17	
L1951949-7 BH303 SA1						
Sampled By: CLIENT on 29-JUN-17 @ 11:00						
Matrix: SOIL						#1
Physical Tests						
Conductivity	0.124		0.0040	mS/cm	07-JUL-17	0.7
% Moisture	13.0		0.10	%	04-JUL-17	
pH	7.56		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	0.13	SAR:M	0.10	SAR	07-JUL-17	5
Calcium (Ca)	10.3		1.0	mg/L	07-JUL-17	
Magnesium (Mg)	<1.0		1.0	mg/L	07-JUL-17	
Sodium (Na)	1.5		1.0	mg/L	07-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	06-JUL-17	7.5
Arsenic (As)	1.5		1.0	ug/g	06-JUL-17	18
Barium (Ba)	44.2		1.0	ug/g	06-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	06-JUL-17	4
Boron (B)	<5.0		5.0	ug/g	06-JUL-17	120
Boron (B), Hot Water Ext.	<0.10		0.10	ug/g	06-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	06-JUL-17	1.2
Chromium (Cr)	14.9		1.0	ug/g	06-JUL-17	160
Cobalt (Co)	4.5		1.0	ug/g	06-JUL-17	22
Copper (Cu)	8.0		1.0	ug/g	06-JUL-17	140
Lead (Pb)	3.9		1.0	ug/g	06-JUL-17	120
Mercury (Hg)	0.0180		0.0050	ug/g	06-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	06-JUL-17	6.9
Nickel (Ni)	8.3		1.0	ug/g	06-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	06-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	06-JUL-17	20

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-7 BH303 SA1						
Sampled By: CLIENT on 29-JUN-17 @ 11:00						
Matrix: SOIL						#1
Metals						
Thallium (Tl)	<0.50		0.50	ug/g	06-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	06-JUL-17	23
Vanadium (V)	30.3		1.0	ug/g	06-JUL-17	86
Zinc (Zn)	21.4		5.0	ug/g	06-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	0.62		0.20	ug/g	05-JUL-17	8
L1951949-8 BH303 SA2						
Sampled By: CLIENT on 29-JUN-17 @ 11:00						
Matrix: SOIL						#1
Physical Tests						
% Moisture	13.3		0.10	%	04-JUL-17	
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-8 BH303 SA2						
Sampled By: CLIENT on 29-JUN-17 @ 11:00						
Matrix: SOIL						
Volatile Organic Compounds						
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	97.8		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	101.2		50-140	%	06-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	10-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	07-JUL-17	98
F2-Naphth	<10		10	ug/g	10-JUL-17	
F3 (C16-C34)	168		50	ug/g	07-JUL-17	300
F3-PAH	168		50	ug/g	10-JUL-17	
F4 (C34-C50)	65		50	ug/g	07-JUL-17	2800
Total Hydrocarbons (C6-C50)	233		72	ug/g	10-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	07-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	99.0		60-140	%	07-JUL-17	
Surrogate: 3,4-Dichlorotoluene	94.0		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	109.9		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	113.4		50-140	%	07-JUL-17	

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-9 BH303 SA11						
Sampled By: CLIENT on 29-JUN-17 @ 11:00						
Matrix: SOIL						
Physical Tests						
Conductivity	0.119		0.0040	mS/cm	07-JUL-17	0.7
% Moisture	19.5		0.10	%	05-JUL-17	
pH	7.92		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	2.21	SAR:M	0.10	SAR	07-JUL-17	5
Calcium (Ca)	1.9		1.0	mg/L	07-JUL-17	
Magnesium (Mg)	<1.0		1.0	mg/L	07-JUL-17	
Sodium (Na)	11.0		1.0	mg/L	07-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	07-JUL-17	7.5
Arsenic (As)	1.3		1.0	ug/g	07-JUL-17	18
Barium (Ba)	37.7		1.0	ug/g	07-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	07-JUL-17	4
Boron (B)	5.4		5.0	ug/g	07-JUL-17	120
Boron (B), Hot Water Ext.	0.16		0.10	ug/g	07-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	07-JUL-17	1.2
Chromium (Cr)	11.4		1.0	ug/g	07-JUL-17	160
Cobalt (Co)	3.5		1.0	ug/g	07-JUL-17	22
Copper (Cu)	6.6		1.0	ug/g	07-JUL-17	140
Lead (Pb)	2.3		1.0	ug/g	07-JUL-17	120
Mercury (Hg)	<0.0050		0.0050	ug/g	07-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	07-JUL-17	6.9
Nickel (Ni)	7.1		1.0	ug/g	07-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	07-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	07-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	07-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	07-JUL-17	23
Vanadium (V)	21.5		1.0	ug/g	07-JUL-17	86
Zinc (Zn)	15.7		5.0	ug/g	07-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	<0.20		0.20	ug/g	05-JUL-17	8
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-9 BH303 SA11						
Sampled By: CLIENT on 29-JUN-17 @ 11:00						
Matrix: SOIL						
Volatile Organic Compounds						
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	94.2		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	94.2		50-140	%	06-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	88.6		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	90.7		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-9 BH303 SA11						
Sampled By: CLIENT on 29-JUN-17 @ 11:00						
Matrix: SOIL						
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	110.3		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	111.7		50-140	%	07-JUL-17	
L1951949-10 BH304 SA1						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						
Physical Tests						
Conductivity	0.129		0.0040	mS/cm	07-JUL-17	0.7
% Moisture	15.7		0.10	%	05-JUL-17	
pH	7.43		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	0.20	SAR:M	0.10	SAR	07-JUL-17	5
Calcium (Ca)	11.3		1.0	mg/L	07-JUL-17	
Magnesium (Mg)	<1.0		1.0	mg/L	07-JUL-17	
Sodium (Na)	2.4		1.0	mg/L	07-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	07-JUL-17	7.5
Arsenic (As)	2.9		1.0	ug/g	07-JUL-17	18
Barium (Ba)	85.7		1.0	ug/g	07-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	07-JUL-17	4
Boron (B)	5.3		5.0	ug/g	07-JUL-17	120
Boron (B), Hot Water Ext.	0.16		0.10	ug/g	07-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	07-JUL-17	1.2
Chromium (Cr)	17.7		1.0	ug/g	07-JUL-17	160

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-10 BH304 SA1						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						#1
Metals						
Cobalt (Co)	4.1		1.0	ug/g	07-JUL-17	22
Copper (Cu)	21.0		1.0	ug/g	07-JUL-17	140
Lead (Pb)	294		1.0	ug/g	07-JUL-17	*120
Mercury (Hg)	0.528		0.0050	ug/g	07-JUL-17	*0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	07-JUL-17	6.9
Nickel (Ni)	7.8		1.0	ug/g	07-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	07-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	07-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	07-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	07-JUL-17	23
Vanadium (V)	26.3		1.0	ug/g	07-JUL-17	86
Zinc (Zn)	176		5.0	ug/g	07-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	<0.20		0.20	ug/g	05-JUL-17	8
L1951949-11 BH304 SA2						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						#1
Physical Tests						
% Moisture	10.1		0.10	%	05-JUL-17	
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-11 BH304 SA2						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						
Volatile Organic Compounds						
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	99.5		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	101.2		50-140	%	06-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	85.0		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	89.0		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-11 BH304 SA2						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						#1
Polycyclic Aromatic Hydrocarbons						
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	109.0		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	111.6		50-140	%	07-JUL-17	
L1951949-12 BH304 SA11						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						#1
Physical Tests						
Conductivity	0.111		0.0040	mS/cm	07-JUL-17	0.7
% Moisture	19.2		0.10	%	05-JUL-17	
pH	8.04		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	1.48	SAR:M	0.10	SAR	07-JUL-17	5
Calcium (Ca)	2.7		1.0	mg/L	07-JUL-17	
Magnesium (Mg)	<1.0		1.0	mg/L	07-JUL-17	
Sodium (Na)	8.8		1.0	mg/L	07-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	07-JUL-17	7.5
Arsenic (As)	1.1		1.0	ug/g	07-JUL-17	18
Barium (Ba)	28.2		1.0	ug/g	07-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	07-JUL-17	4
Boron (B)	<5.0		5.0	ug/g	07-JUL-17	120
Boron (B), Hot Water Ext.	0.16		0.10	ug/g	07-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	07-JUL-17	1.2
Chromium (Cr)	9.1		1.0	ug/g	07-JUL-17	160
Cobalt (Co)	2.9		1.0	ug/g	07-JUL-17	22
Copper (Cu)	5.3		1.0	ug/g	07-JUL-17	140
Lead (Pb)	1.9		1.0	ug/g	07-JUL-17	120
Mercury (Hg)	<0.0050		0.0050	ug/g	07-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	07-JUL-17	6.9
Nickel (Ni)	5.5		1.0	ug/g	07-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	07-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	07-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	07-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	07-JUL-17	23
Vanadium (V)	18.7		1.0	ug/g	07-JUL-17	86
Zinc (Zn)	14.0		5.0	ug/g	07-JUL-17	340
Speciated Metals						

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-12 BH304 SA11						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						
Speciated Metals						
Chromium, Hexavalent	<0.20		0.20	ug/g	05-JUL-17	8
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	94.7		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	96.3		50-140	%	06-JUL-17	

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T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1951949-12 BH304 SA11						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						#1
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	60.2		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	93.3		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78
Surrogate: 2-Fluorobiphenyl	106.5		50-140	%	07-JUL-17	
Surrogate: p-Terphenyl d14	107.4		50-140	%	07-JUL-17	
L1951949-13 DUP 1						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						#1
Physical Tests						
Conductivity	0.144		0.0040	mS/cm	07-JUL-17	0.7
% Moisture	18.0		0.10	%	05-JUL-17	
pH	7.92		0.10	pH units	05-JUL-17	
Cyanides						
Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-JUL-17	0.051
Saturated Paste Extractables						
SAR	2.44	SAR:M	0.10	SAR	07-JUL-17	5
Calcium (Ca)	2.9		1.0	mg/L	07-JUL-17	

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T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-13 DUP 1						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						
Saturated Paste Extractables						
Magnesium (Mg)	<1.0		1.0	mg/L	07-JUL-17	
Sodium (Na)	15.0		1.0	mg/L	07-JUL-17	
Metals						
Antimony (Sb)	<1.0		1.0	ug/g	07-JUL-17	7.5
Arsenic (As)	1.1		1.0	ug/g	07-JUL-17	18
Barium (Ba)	28.1		1.0	ug/g	07-JUL-17	390
Beryllium (Be)	<0.50		0.50	ug/g	07-JUL-17	4
Boron (B)	<5.0		5.0	ug/g	07-JUL-17	120
Boron (B), Hot Water Ext.	0.14		0.10	ug/g	07-JUL-17	1.5
Cadmium (Cd)	<0.50		0.50	ug/g	07-JUL-17	1.2
Chromium (Cr)	8.8		1.0	ug/g	07-JUL-17	160
Cobalt (Co)	2.9		1.0	ug/g	07-JUL-17	22
Copper (Cu)	5.2		1.0	ug/g	07-JUL-17	140
Lead (Pb)	1.8		1.0	ug/g	07-JUL-17	120
Mercury (Hg)	<0.0050		0.0050	ug/g	07-JUL-17	0.27
Molybdenum (Mo)	<1.0		1.0	ug/g	07-JUL-17	6.9
Nickel (Ni)	5.4		1.0	ug/g	07-JUL-17	100
Selenium (Se)	<1.0		1.0	ug/g	07-JUL-17	2.4
Silver (Ag)	<0.20		0.20	ug/g	07-JUL-17	20
Thallium (Tl)	<0.50		0.50	ug/g	07-JUL-17	1
Uranium (U)	<1.0		1.0	ug/g	07-JUL-17	23
Vanadium (V)	18.8		1.0	ug/g	07-JUL-17	86
Zinc (Zn)	15.9		5.0	ug/g	07-JUL-17	340
Speciated Metals						
Chromium, Hexavalent	<0.20		0.20	ug/g	05-JUL-17	8
Volatile Organic Compounds						
Acetone	<0.50		0.50	ug/g	06-JUL-17	16
Benzene	<0.0068		0.0068	ug/g	06-JUL-17	0.21
Bromodichloromethane	<0.050		0.050	ug/g	06-JUL-17	1.5
Bromoform	<0.050		0.050	ug/g	06-JUL-17	0.27
Bromomethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Carbon tetrachloride	<0.050		0.050	ug/g	06-JUL-17	0.05
Chlorobenzene	<0.050		0.050	ug/g	06-JUL-17	2.4
Dibromochloromethane	<0.050		0.050	ug/g	06-JUL-17	2.3
Chloroform	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dibromoethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,2-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	1.2
1,3-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	4.8
1,4-Dichlorobenzene	<0.050		0.050	ug/g	06-JUL-17	0.083
Dichlorodifluoromethane	<0.050		0.050	ug/g	06-JUL-17	16
1,1-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.47
1,2-Dichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
1,1-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	1.9
trans-1,2-Dichloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.084

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T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1951949-13 DUP 1						
Sampled By: CLIENT on 29-JUN-17 @ 03:00						
Matrix: SOIL						
Volatile Organic Compounds						
Methylene Chloride	<0.050		0.050	ug/g	06-JUL-17	0.1
1,2-Dichloropropane	<0.050		0.050	ug/g	06-JUL-17	0.05
cis-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
trans-1,3-Dichloropropene	<0.030		0.030	ug/g	06-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.042		0.042	ug/g	06-JUL-17	0.05
Ethylbenzene	<0.018		0.018	ug/g	06-JUL-17	1.1
n-Hexane	<0.050		0.050	ug/g	06-JUL-17	2.8
Methyl Ethyl Ketone	<0.50		0.50	ug/g	06-JUL-17	16
Methyl Isobutyl Ketone	<0.50		0.50	ug/g	06-JUL-17	1.7
MTBE	<0.050		0.050	ug/g	06-JUL-17	0.75
Styrene	<0.050		0.050	ug/g	06-JUL-17	0.7
1,1,1,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.058
1,1,2,2-Tetrachloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Tetrachloroethylene	<0.050		0.050	ug/g	06-JUL-17	0.28
Toluene	<0.080		0.080	ug/g	06-JUL-17	2.3
1,1,1-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.38
1,1,2-Trichloroethane	<0.050		0.050	ug/g	06-JUL-17	0.05
Trichloroethylene	<0.010		0.010	ug/g	06-JUL-17	0.061
Trichlorofluoromethane	<0.050		0.050	ug/g	06-JUL-17	4
Vinyl chloride	<0.020		0.020	ug/g	06-JUL-17	0.02
o-Xylene	<0.020		0.020	ug/g	06-JUL-17	
m+p-Xylenes	<0.030		0.030	ug/g	06-JUL-17	
Xylenes (Total)	<0.050		0.050	ug/g	06-JUL-17	3.1
Surrogate: 4-Bromofluorobenzene	98.6		50-140	%	06-JUL-17	
Surrogate: 1,4-Difluorobenzene	98.1		50-140	%	06-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<5.0		5.0	ug/g	06-JUL-17	55
F1-BTEX	<5.0		5.0	ug/g	07-JUL-17	55
F2 (C10-C16)	<10		10	ug/g	04-JUL-17	98
F2-Naphth	<10		10	ug/g	07-JUL-17	
F3 (C16-C34)	<50		50	ug/g	04-JUL-17	300
F3-PAH	<50		50	ug/g	07-JUL-17	
F4 (C34-C50)	<50		50	ug/g	04-JUL-17	2800
Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	04-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	85.0		60-140	%	04-JUL-17	
Surrogate: 3,4-Dichlorotoluene	94.3		60-140	%	06-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.050		0.050	ug/g	07-JUL-17	7.9
Acenaphthylene	<0.050		0.050	ug/g	07-JUL-17	0.15
Anthracene	<0.050		0.050	ug/g	07-JUL-17	0.67
Benzo(a)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.5
Benzo(a)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.3
Benzo(b)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78
Benzo(g,h,i)perylene	<0.050		0.050	ug/g	07-JUL-17	6.6
Benzo(k)fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.78

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* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
L1951949-13 DUP 1 Sampled By: CLIENT on 29-JUN-17 @ 03:00 Matrix: SOIL						#1			
Polycyclic Aromatic Hydrocarbons									
Chrysene	<0.050		0.050	ug/g	07-JUL-17	7			
Dibenzo(ah)anthracene	<0.050		0.050	ug/g	07-JUL-17	0.1			
Fluoranthene	<0.050		0.050	ug/g	07-JUL-17	0.69			
Fluorene	<0.050		0.050	ug/g	07-JUL-17	62			
Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	07-JUL-17	0.38			
1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-JUL-17	0.99			
1-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99			
2-Methylnaphthalene	<0.030		0.030	ug/g	07-JUL-17	0.99			
Naphthalene	<0.050		0.050	ug/g	07-JUL-17	0.6			
Phenanthrene	<0.050		0.050	ug/g	07-JUL-17	6.2			
Pyrene	<0.050		0.050	ug/g	07-JUL-17	78			
Surrogate: 2-Fluorobiphenyl	111.7		50-140	%	07-JUL-17				
Surrogate: p-Terphenyl d14	111.7		50-140	%	07-JUL-17				

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* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Soil-Res/Park/Inst. Property Use (Coarse)

#1: T2-Soil-Res/Park/Inst. Property Use (Coarse)

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
SAR:M	Reported SAR represents a maximum value. Actual SAR may be lower if both Ca and Mg were detectable.

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference***
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Soil	Cyanide (WAD)-O.Reg 153/04 (July 2011)	MOE 3015/APHA 4500CN I-WAD

The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-WT	Soil	Conductivity (EC)	MOEE E3138

A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Soil	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

Reference Information

F2-F4-511-WT Soil F2-F4-O.Reg 153/04 (July 2011) MOE DECPH-E3398/CCME TIER 1

Petroleum Hydrocarbons (F2-F4 fractions) are extracted from soil with 1:1 hexane:acetone using a rotary extractor. Extracts are treated with silica gel to remove polar organic interferences. F2, F3, & F4 are analyzed by GC-FID. F4G-sg is analyzed gravimetrically.

Notes:
1. F2 (C10-C16): Sum of all hydrocarbons that elute between nC10 and nC16.
2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.
3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.
4. F4G: Gravimetric Heavy Hydrocarbons
5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
6. Where both F4 (C34-C50) and F4G-sg are reported for a sample, the larger of the two values is used for comparison against the relevant CCME guideline for F4.
7. F4G-sg cannot be added to the C6 to C50 hydrocarbon results to obtain an estimate of total extractable hydrocarbons.
8. This method is validated for use.
9. Data from analysis of validation and quality control samples is available upon request.
10. Reported results are expressed as milligrams per dry kilogram, unless otherwise indicated.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-200.2-CVAA-WT Soil Mercury in Soil by CVAAS EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT Soil Metals in Soil by CRC ICPMS EPA 200.2/6020A (mod)

This method uses a heated strong acid digestion with HNO3 and HCl and is intended to liberate metals that may be environmentally available. Silicate minerals are not solubilized. Dependent on sample matrix, some metals may be only partially recovered, including Al, Ba, Be, Cr, Sr, Ti, Tl, V, W, and Zr. Volatile forms of sulfur (including sulfide) may not be captured, as they may be lost during sampling, storage, or digestion. Analysis is by Collision/Reaction Cell ICPMS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT Soil ABN-Calculated Parameters SW846 8270

MOISTURE-WT Soil % Moisture Gravimetric: Oven Dried

PAH-511-WT Soil PAH-O.Reg 153/04 (July 2011) SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking techniqueis used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PH-WT Soil pH MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT Soil SAR-O.Reg 153/04 (July 2011) SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES. The concentrations of Na, Ca and Mg are reported as per CALA requirements for calculated parameters. These individual parameters are not for comparison to any guideline.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

VOC-1,3-DCP-CALC-WT Soil Regulation 153 VOCs SW8260B/SW8270C

Reference Information

VOC-511-HS-WT	Soil	VOC-O.Reg 153/04 (July 2011)	SW846 8260 (511)

Soil and sediment samples are extracted in methanol and analyzed by headspace-GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC-WT	Soil	Sum of Xylene Isomer Concentrations	CALCULATION

Total xylenes represents the sum of o-xylene and m&p-xylene.

*** ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

15-548317

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.

Quality Control Report

Workorder: L1951949 Report Date: 10-JUL-17

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
B-HWS-R511-WT	**Soil**							
Batch R3766409								
WG2563890-4 DUP		**L1950606-13**						
Boron (B), Hot Water Ext.		0.16	0.17		ug/g	3.2	30	06-JUL-17
WG2563890-2 IRM		**HOTB-SAL_SOIL5**						
Boron (B), Hot Water Ext.			83.8		%		70-130	06-JUL-17
WG2563890-3 LCS								
Boron (B), Hot Water Ext.			100.9		%		70-130	06-JUL-17
WG2563890-1 MB								
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	06-JUL-17
Batch R3767424								
WG2564882-4 DUP		**L1952272-4**						
Boron (B), Hot Water Ext.		0.37	0.39		ug/g	5.6	30	07-JUL-17
WG2564882-2 IRM		**HOTB-SAL_SOIL5**						
Boron (B), Hot Water Ext.			99.6		%		70-130	07-JUL-17
WG2564882-3 LCS								
Boron (B), Hot Water Ext.			106.8		%		70-130	07-JUL-17
WG2564882-1 MB								
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	07-JUL-17
CN-WAD-R511-WT	**Soil**							
Batch R3767178								
WG2562232-3 DUP		**L1951890-1**						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	06-JUL-17
WG2562232-2 LCS								
Cyanide, Weak Acid Diss			95.0		%		80-120	06-JUL-17
WG2562232-1 MB								
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	06-JUL-17
WG2562232-4 MS		**L1951890-1**						
Cyanide, Weak Acid Diss			100.9		%		70-130	06-JUL-17
CR-CR6-IC-WT	**Soil**							
Batch R3765549								
WG2562358-3 CRM		**WT-SQC012**						
Chromium, Hexavalent			98.1		%		70-130	05-JUL-17
WG2562358-4 DUP		**L1951949-6**						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	05-JUL-17
WG2562358-2 LCS								
Chromium, Hexavalent			93.9		%		80-120	05-JUL-17
WG2562358-1 MB								
Chromium, Hexavalent			<0.20		ug/g		0.2	05-JUL-17

Quality Control Report

Workorder: L1951949 Report Date: 10-JUL-17

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8

Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EC-WT	**Soil**							
Batch R3766317								
WG2563900-4 DUP		**WG2563900-3**						
Conductivity		0.163	0.165		mS/cm	1.5	20	06-JUL-17
WG2564172-1 LCS								
Conductivity			99.7		%		90-110	06-JUL-17
WG2563900-1 MB								
Conductivity			<0.0040		mS/cm		0.004	06-JUL-17
Batch R3767155								
WG2564885-4 DUP		**WG2564885-3**						
Conductivity		1.04	1.05		mS/cm	0.8	20	07-JUL-17
WG2565159-1 LCS								
Conductivity			100.7		%		90-110	07-JUL-17
WG2564885-1 MB								
Conductivity			<0.0040		mS/cm		0.004	07-JUL-17
F1-HS-511-WT	**Soil**							
Batch R3766256								
WG2562030-4 DUP		**WG2562030-3**						
F1 (C6-C10)		5.7	5.9		ug/g	3.0	30	06-JUL-17
WG2562030-2 LCS								
F1 (C6-C10)			93.4		%		80-120	05-JUL-17
WG2562030-1 MB								
F1 (C6-C10)			<5.0		ug/g		5	06-JUL-17
Surrogate: 3,4-Dichlorotoluene			104.5		%		60-140	06-JUL-17
WG2562030-7 MS		**WG2562030-6**						
F1 (C6-C10)			93.1		%		60-140	05-JUL-17
F2-F4-511-WT	**Soil**							
Batch R3765203								
WG2562067-3 CRM		**ALS PHC2 IRM**						
F2 (C10-C16)			62.0	RM-L	%		70-130	04-JUL-17
F3 (C16-C34)			59.1	RM-L	%		70-130	04-JUL-17
F4 (C34-C50)			56.1	RM-L	%		70-130	04-JUL-17
WG2562067-5 DUP		**WG2562067-4**						
F2 (C10-C16)		<10	11	RPD-NA	ug/g	N/A	30	04-JUL-17
F3 (C16-C34)		<50	55	RPD-NA	ug/g	N/A	30	04-JUL-17
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	30	04-JUL-17
WG2562067-2 LCS								
F2 (C10-C16)			89.2		%		80-120	04-JUL-17
F3 (C16-C34)			86.9		%		80-120	04-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT	**Soil**							
Batch R3765203								
WG2562067-2 LCS								
F4 (C34-C50)			95.8		%		80-120	04-JUL-17
WG2562067-1 MB								
F2 (C10-C16)			<10		ug/g		10	04-JUL-17
F3 (C16-C34)			<50		ug/g		50	04-JUL-17
F4 (C34-C50)			<50		ug/g		50	04-JUL-17
Surrogate: 2-Bromobenzotrifluoride			80.4		%		60-140	04-JUL-17
Batch R3768292								
WG2564332-3 CRM		**ALS PHC2 IRM**						
F2 (C10-C16)			99.0		%		70-130	07-JUL-17
F3 (C16-C34)			99.5		%		70-130	07-JUL-17
F4 (C34-C50)			93.4		%		70-130	07-JUL-17
WG2564332-5 DUP		**WG2564332-4**						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	30	07-JUL-17
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	30	07-JUL-17
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	30	07-JUL-17
WG2564332-2 LCS								
F2 (C10-C16)			117.4		%		80-120	07-JUL-17
F3 (C16-C34)			110.0		%		80-120	07-JUL-17
F4 (C34-C50)			117.2		%		80-120	07-JUL-17
WG2564332-1 MB								
F2 (C10-C16)			<10		ug/g		10	07-JUL-17
F3 (C16-C34)			<50		ug/g		50	07-JUL-17
F4 (C34-C50)			<50		ug/g		50	07-JUL-17
Surrogate: 2-Bromobenzotrifluoride			96.0		%		60-140	07-JUL-17
HG-200.2-CVAA-WT	**Soil**							
Batch R3766404								
WG2563879-2 CRM		**WT-CANMET-TILL1**						
Mercury (Hg)			97.3		%		70-130	06-JUL-17
WG2563879-6 DUP		**WG2563879-5**						
Mercury (Hg)		0.0180	0.0186		ug/g	3.1	40	06-JUL-17
WG2563879-3 LCS								
Mercury (Hg)			109.5		%		80-120	06-JUL-17
WG2563879-1 MB								
Mercury (Hg)			<0.0050		mg/kg		0.005	06-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-200.2-CVAA-WT	**Soil**							
Batch R3767183								
WG2564872-2 CRM		**WT-CANMET-TILL1**						
Mercury (Hg)			91.2		%		70-130	07-JUL-17
WG2564872-6 DUP		**WG2564872-5**						
Mercury (Hg)		0.0178	0.0158		ug/g	12	40	07-JUL-17
WG2564872-3 LCS								
Mercury (Hg)			114.5		%		80-120	07-JUL-17
WG2564872-1 MB								
Mercury (Hg)			<0.0050		mg/kg		0.005	07-JUL-17
MET-200.2-CCMS-WT	**Soil**							
Batch R3767136								
WG2563879-2 CRM		**WT-CANMET-TILL1**						
Antimony (Sb)			96.2		%		70-130	06-JUL-17
Arsenic (As)			110.4		%		70-130	06-JUL-17
Barium (Ba)			113.7		%		70-130	06-JUL-17
Beryllium (Be)			96.2		%		70-130	06-JUL-17
Cadmium (Cd)			96.7		%		70-130	06-JUL-17
Chromium (Cr)			105.3		%		70-130	06-JUL-17
Cobalt (Co)			103.3		%		70-130	06-JUL-17
Copper (Cu)			100.5		%		70-130	06-JUL-17
Lead (Pb)			92.6		%		70-130	06-JUL-17
Molybdenum (Mo)			97.7		%		70-130	06-JUL-17
Nickel (Ni)			104.1		%		70-130	06-JUL-17
Selenium (Se)			98.2		%		70-130	06-JUL-17
Silver (Ag)			102.5		%		70-130	06-JUL-17
Thallium (Tl)			97.3		%		70-130	06-JUL-17
Uranium (U)			101.7		%		70-130	06-JUL-17
Vanadium (V)			109.3		%		70-130	06-JUL-17
Zinc (Zn)			98.3		%		70-130	06-JUL-17
WG2563879-6 DUP		**WG2563879-5**						
Antimony (Sb)		<0.10	<0.10	RPD-NA	ug/g	N/A	30	06-JUL-17
Arsenic (As)		1.54	1.51		ug/g	2.2	30	06-JUL-17
Barium (Ba)		44.2	43.4		ug/g	2.0	40	06-JUL-17
Beryllium (Be)		0.35	0.34		ug/g	2.0	30	06-JUL-17
Boron (B)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	06-JUL-17
Cadmium (Cd)		0.061	0.056		ug/g	9.9	30	06-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3767136								
WG2563879-6 DUP		**WG2563879-5**						
Chromium (Cr)		14.9	14.5		ug/g	3.3	30	06-JUL-17
Cobalt (Co)		4.46	4.33		ug/g	3.0	30	06-JUL-17
Copper (Cu)		7.98	7.64		ug/g	4.3	30	06-JUL-17
Lead (Pb)		3.90	3.80		ug/g	2.5	40	06-JUL-17
Molybdenum (Mo)		0.22	0.22		ug/g	0.1	40	06-JUL-17
Nickel (Ni)		8.32	8.20		ug/g	1.4	30	06-JUL-17
Selenium (Se)		<0.20	<0.20	RPD-NA	ug/g	N/A	30	06-JUL-17
Silver (Ag)		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-JUL-17
Thallium (Tl)		0.058	0.057		ug/g	1.7	30	06-JUL-17
Uranium (U)		0.350	0.315		ug/g	10	30	06-JUL-17
Vanadium (V)		30.3	29.8		ug/g	1.5	30	06-JUL-17
Zinc (Zn)		21.4	19.9		ug/g	7.0	30	06-JUL-17
WG2563879-4 LCS								
Antimony (Sb)			100.9		%		80-120	06-JUL-17
Arsenic (As)			96.3		%		80-120	06-JUL-17
Barium (Ba)			94.5		%		80-120	06-JUL-17
Beryllium (Be)			94.0		%		80-120	06-JUL-17
Boron (B)			93.4		%		80-120	06-JUL-17
Cadmium (Cd)			93.9		%		80-120	06-JUL-17
Chromium (Cr)			94.2		%		80-120	06-JUL-17
Cobalt (Co)			93.9		%		80-120	06-JUL-17
Copper (Cu)			92.0		%		80-120	06-JUL-17
Lead (Pb)			99.5		%		80-120	06-JUL-17
Molybdenum (Mo)			95.7		%		80-120	06-JUL-17
Nickel (Ni)			93.0		%		80-120	06-JUL-17
Selenium (Se)			93.5		%		80-120	06-JUL-17
Silver (Ag)			94.7		%		80-120	06-JUL-17
Thallium (Tl)			97.4		%		80-120	06-JUL-17
Uranium (U)			87.4		%		80-120	06-JUL-17
Vanadium (V)			96.3		%		80-120	06-JUL-17
Zinc (Zn)			86.7		%		80-120	06-JUL-17
WG2563879-1 MB								
Antimony (Sb)			<0.10		mg/kg		0.1	06-JUL-17
Arsenic (As)			<0.10				0.1	

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3767136								
WG2563879-1 MB								
Arsenic (As)			<0.10		mg/kg		0.1	06-JUL-17
Barium (Ba)			<0.50		mg/kg		0.5	06-JUL-17
Beryllium (Be)			<0.10		mg/kg		0.1	06-JUL-17
Boron (B)			<5.0		mg/kg		5	06-JUL-17
Cadmium (Cd)			<0.020		mg/kg		0.02	06-JUL-17
Chromium (Cr)			<0.50		mg/kg		0.5	06-JUL-17
Cobalt (Co)			<0.10		mg/kg		0.1	06-JUL-17
Copper (Cu)			<0.50		mg/kg		0.5	06-JUL-17
Lead (Pb)			<0.50		mg/kg		0.5	06-JUL-17
Molybdenum (Mo)			<0.10		mg/kg		0.1	06-JUL-17
Nickel (Ni)			<0.50		mg/kg		0.5	06-JUL-17
Selenium (Se)			<0.20		mg/kg		0.2	06-JUL-17
Silver (Ag)			<0.10		mg/kg		0.1	06-JUL-17
Thallium (Tl)			<0.050		mg/kg		0.05	06-JUL-17
Uranium (U)			<0.050		mg/kg		0.05	06-JUL-17
Vanadium (V)			<0.20		mg/kg		0.2	06-JUL-17
Zinc (Zn)			<2.0		mg/kg		2	06-JUL-17
Batch R3767338								
WG2564872-2 CRM		**WT-CANMET-TILL1**						
Antimony (Sb)			92.6		%		70-130	07-JUL-17
Arsenic (As)			103.6		%		70-130	07-JUL-17
Barium (Ba)			106.5		%		70-130	07-JUL-17
Beryllium (Be)			88.9		%		70-130	07-JUL-17
Cadmium (Cd)			99.2		%		70-130	07-JUL-17
Chromium (Cr)			100.7		%		70-130	07-JUL-17
Cobalt (Co)			100.0		%		70-130	07-JUL-17
Copper (Cu)			98.0		%		70-130	07-JUL-17
Lead (Pb)			92.5		%		70-130	07-JUL-17
Molybdenum (Mo)			91.4		%		70-130	07-JUL-17
Nickel (Ni)			98.8		%		70-130	07-JUL-17
Selenium (Se)			92.0		%		70-130	07-JUL-17
Silver (Ag)			99.7		%		70-130	07-JUL-17
Thallium (Tl)			93.3		%		70-130	07-JUL-17
Uranium (U)			109.5		%		70-130	07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3767338								
WG2564872-2 CRM		**WT-CANMET-TILL1**						
Vanadium (V)			103.8		%		70-130	07-JUL-17
Zinc (Zn)			93.4		%		70-130	07-JUL-17
WG2564872-6 DUP		**WG2564872-5**						
Antimony (Sb)		0.40	0.37		ug/g	7.2	30	07-JUL-17
Arsenic (As)		6.40	5.39		ug/g	17	30	07-JUL-17
Barium (Ba)		90.0	78.2		ug/g	14	40	07-JUL-17
Beryllium (Be)		0.64	0.57		ug/g	12	30	07-JUL-17
Boron (B)		16.7	14.3		ug/g	15	30	07-JUL-17
Cadmium (Cd)		0.249	0.220		ug/g	13	30	07-JUL-17
Chromium (Cr)		24.1	20.9		ug/g	14	30	07-JUL-17
Cobalt (Co)		10.8	9.44		ug/g	13	30	07-JUL-17
Copper (Cu)		19.3	17.3		ug/g	11	30	07-JUL-17
Lead (Pb)		9.52	8.30		ug/g	14	40	07-JUL-17
Molybdenum (Mo)		4.57	4.02		ug/g	13	40	07-JUL-17
Nickel (Ni)		30.0	26.5		ug/g	13	30	07-JUL-17
Selenium (Se)		0.33	0.29		ug/g	14	30	07-JUL-17
Silver (Ag)		<0.10	<0.10	RPD-NA	ug/g	N/A	40	07-JUL-17
Thallium (Tl)		0.266	0.235		ug/g	12	30	07-JUL-17
Uranium (U)		1.64	1.41		ug/g	15	30	07-JUL-17
Vanadium (V)		34.7	29.7		ug/g	16	30	07-JUL-17
Zinc (Zn)		58.1	53.7		ug/g	8.0	30	07-JUL-17
WG2564872-4 LCS								
Antimony (Sb)			101.6		%		80-120	07-JUL-17
Arsenic (As)			96.6		%		80-120	07-JUL-17
Barium (Ba)			99.8		%		80-120	07-JUL-17
Beryllium (Be)			93.5		%		80-120	07-JUL-17
Boron (B)			93.3		%		80-120	07-JUL-17
Cadmium (Cd)			98.9		%		80-120	07-JUL-17
Chromium (Cr)			97.8		%		80-120	07-JUL-17
Cobalt (Co)			97.3		%		80-120	07-JUL-17
Copper (Cu)			95.1		%		80-120	07-JUL-17
Lead (Pb)			104.3		%		80-120	07-JUL-17
Molybdenum (Mo)			97.3		%		80-120	07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3767338								
WG2564872-4 LCS								
Nickel (Ni)			96.4		%		80-120	07-JUL-17
Selenium (Se)			94.2		%		80-120	07-JUL-17
Silver (Ag)			102.1		%		80-120	07-JUL-17
Thallium (Tl)			101.1		%		80-120	07-JUL-17
Uranium (U)			99.8		%		80-120	07-JUL-17
Vanadium (V)			100.2		%		80-120	07-JUL-17
Zinc (Zn)			90.1		%		80-120	07-JUL-17
WG2564872-1 MB								
Antimony (Sb)			<0.10		mg/kg		0.1	07-JUL-17
Arsenic (As)			<0.10		mg/kg		0.1	07-JUL-17
Barium (Ba)			<0.50		mg/kg		0.5	07-JUL-17
Beryllium (Be)			<0.10		mg/kg		0.1	07-JUL-17
Boron (B)			<5.0		mg/kg		5	07-JUL-17
Cadmium (Cd)			<0.020		mg/kg		0.02	07-JUL-17
Chromium (Cr)			<0.50		mg/kg		0.5	07-JUL-17
Cobalt (Co)			<0.10		mg/kg		0.1	07-JUL-17
Copper (Cu)			<0.50		mg/kg		0.5	07-JUL-17
Lead (Pb)			<0.50		mg/kg		0.5	07-JUL-17
Molybdenum (Mo)			<0.10		mg/kg		0.1	07-JUL-17
Nickel (Ni)			<0.50		mg/kg		0.5	07-JUL-17
Selenium (Se)			<0.20		mg/kg		0.2	07-JUL-17
Silver (Ag)			<0.10		mg/kg		0.1	07-JUL-17
Thallium (Tl)			<0.050		mg/kg		0.05	07-JUL-17
Uranium (U)			<0.050		mg/kg		0.05	07-JUL-17
Vanadium (V)			<0.20		mg/kg		0.2	07-JUL-17
Zinc (Zn)			<2.0		mg/kg		2	07-JUL-17
MOISTURE-WT	**Soil**							
Batch R3764954								
WG2562367-3 DUP		**L1951949-13**						
% Moisture		18.0	18.1		%	0.0	20	05-JUL-17
WG2562367-2 LCS								
% Moisture			100.0		%		90-110	05-JUL-17
WG2562367-1 MB								
% Moisture			<0.10		%		0.1	05-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MOISTURE-WT	**Soil**							
Batch R3764965								
WG2562062-3 DUP		**L1951719-4**						
% Moisture		4.72	4.60		%	2.4	20	04-JUL-17
WG2562062-2 LCS								
% Moisture			100.0		%		90-110	04-JUL-17
WG2562062-1 MB								
% Moisture			<0.10		%		0.1	04-JUL-17
PAH-511-WT	**Soil**							
Batch R3767357								
WG2562055-4 DUP		**WG2562055-3**						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	07-JUL-17
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	07-JUL-17
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Benzo(a)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Benzo(b)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Benzo(g,h,i)perylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Chrysene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Phenanthrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
Pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-JUL-17
WG2562055-2 LCS								
1-Methylnaphthalene			102.4		%		50-140	07-JUL-17
2-Methylnaphthalene			103.8		%		50-140	07-JUL-17
Acenaphthene			100.8		%		50-140	07-JUL-17
Acenaphthylene			105.1		%		50-140	07-JUL-17
Anthracene			103.7		%		50-140	07-JUL-17
Benzo(a)anthracene			108.5		%		50-140	07-JUL-17
Benzo(a)pyrene			105.6		%		50-140	07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3767357								
WG2562055-2 LCS								
Benzo(b)fluoranthene			101.7		%		50-140	07-JUL-17
Benzo(g,h,i)perylene			97.1		%		50-140	07-JUL-17
Benzo(k)fluoranthene			96.5		%		50-140	07-JUL-17
Chrysene			112.9		%		50-140	07-JUL-17
Dibenzo(ah)anthracene			102.3		%		50-140	07-JUL-17
Fluoranthene			103.4		%		50-140	07-JUL-17
Fluorene			102.2		%		50-140	07-JUL-17
Indeno(1,2,3-cd)pyrene			101.1		%		50-140	07-JUL-17
Naphthalene			99.3		%		50-140	07-JUL-17
Phenanthrene			107.3		%		50-140	07-JUL-17
Pyrene			104.2		%		50-140	07-JUL-17
WG2562055-1 MB								
1-Methylnaphthalene			<0.030		ug/g		0.03	07-JUL-17
2-Methylnaphthalene			<0.030		ug/g		0.03	07-JUL-17
Acenaphthene			<0.050		ug/g		0.05	07-JUL-17
Acenaphthylene			<0.050		ug/g		0.05	07-JUL-17
Anthracene			<0.050		ug/g		0.05	07-JUL-17
Benzo(a)anthracene			<0.050		ug/g		0.05	07-JUL-17
Benzo(a)pyrene			<0.050		ug/g		0.05	07-JUL-17
Benzo(b)fluoranthene			<0.050		ug/g		0.05	07-JUL-17
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	07-JUL-17
Benzo(k)fluoranthene			<0.050		ug/g		0.05	07-JUL-17
Chrysene			<0.050		ug/g		0.05	07-JUL-17
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	07-JUL-17
Fluoranthene			<0.050		ug/g		0.05	07-JUL-17
Fluorene			<0.050		ug/g		0.05	07-JUL-17
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	07-JUL-17
Naphthalene			<0.050		ug/g		0.05	07-JUL-17
Phenanthrene			<0.050		ug/g		0.05	07-JUL-17
Pyrene			<0.050		ug/g		0.05	07-JUL-17
Surrogate: 2-Fluorobiphenyl			107.3		%		50-140	07-JUL-17
Surrogate: p-Terphenyl d14			108.4		%		50-140	07-JUL-17
WG2562055-5 MS		**WG2562055-3**						
1-Methylnaphthalene			102.8		%		50-140	07-JUL-17

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Client: TERRAPROBE-BRAMPTON
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BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3767357								
WG2562055-5 MS		**WG2562055-3**						
2-Methylnaphthalene			103.8		%		50-140	07-JUL-17
Acenaphthene			100.9		%		50-140	07-JUL-17
Acenaphthylene			103.6		%		50-140	07-JUL-17
Anthracene			103.1		%		50-140	07-JUL-17
Benzo(a)anthracene			103.6		%		50-140	07-JUL-17
Benzo(a)pyrene			103.0		%		50-140	07-JUL-17
Benzo(b)fluoranthene			97.7		%		50-140	07-JUL-17
Benzo(g,h,i)perylene			92.9		%		50-140	07-JUL-17
Benzo(k)fluoranthene			97.0		%		50-140	07-JUL-17
Chrysene			108.0		%		50-140	07-JUL-17
Dibenzo(ah)anthracene			98.7		%		50-140	07-JUL-17
Fluoranthene			103.0		%		50-140	07-JUL-17
Fluorene			102.0		%		50-140	07-JUL-17
Indeno(1,2,3-cd)pyrene			94.6		%		50-140	07-JUL-17
Naphthalene			100.1		%		50-140	07-JUL-17
Phenanthrene			106.9		%		50-140	07-JUL-17
Pyrene			103.5		%		50-140	07-JUL-17
PH-WT	**Soil**							
Batch R3765847								
WG2562951-1 DUP		**L1951949-12**						
pH		8.04	8.01	J	pH units	0.03	0.3	05-JUL-17
WG2563488-1 LCS								
pH			6.97		pH units		6.7-7.3	05-JUL-17
Batch R3765849								
WG2562078-1 DUP		**L1951646-1**						
pH		8.02	7.98	J	pH units	0.04	0.3	05-JUL-17
WG2563109-1 LCS								
pH			6.95		pH units		6.7-7.3	05-JUL-17
WG2563109-2 LCS								
pH			6.97		pH units		6.7-7.3	05-JUL-17
SAR-R511-WT	**Soil**							
Batch R3766348								
WG2563900-4 DUP		**WG2563900-3**						
Calcium (Ca)		4.6	5.1		mg/L	9.0	30	06-JUL-17
Sodium (Na)		27.2	26.8					

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Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SAR-R511-WT	**Soil**							
Batch R3766348								
WG2563900-4 DUP		**WG2563900-3**						
Sodium (Na)		27.2	26.8		mg/L	1.2	30	06-JUL-17
Magnesium (Mg)		10.4	11.7		mg/L	12	30	06-JUL-17
WG2563900-2 IRM		**WT SAR1**						
Calcium (Ca)			97.6		%		70-130	06-JUL-17
Sodium (Na)			108.1		%		70-130	06-JUL-17
Magnesium (Mg)			107.9		%		70-130	06-JUL-17
WG2563900-1 MB								
Calcium (Ca)			<1.0		mg/L		1	06-JUL-17
Sodium (Na)			<1.0		mg/L		1	06-JUL-17
Magnesium (Mg)			<1.0		mg/L		1	06-JUL-17
Batch R3767317								
WG2564885-4 DUP		**WG2564885-3**						
Calcium (Ca)		73.4	70.5		mg/L	3.9	30	07-JUL-17
Sodium (Na)		133	133		mg/L	0.1	30	07-JUL-17
Magnesium (Mg)		7.0	6.8		mg/L	3.6	30	07-JUL-17
WG2564885-2 IRM		**WT SAR1**						
Calcium (Ca)			106.5		%		70-130	07-JUL-17
Sodium (Na)			114.2		%		70-130	07-JUL-17
Magnesium (Mg)			117.1		%		70-130	07-JUL-17
WG2564885-1 MB								
Calcium (Ca)			<1.0		mg/L		1	07-JUL-17
Sodium (Na)			<1.0		mg/L		1	07-JUL-17
Magnesium (Mg)			<1.0		mg/L		1	07-JUL-17
VOC-511-HS-WT	**Soil**							
Batch R3766256								
WG2562030-4 DUP		**WG2562030-3**						
1,1,1,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,1,2,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,1,1-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,1,2-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,1-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,1-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,2-Dibromoethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,2-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17

Quality Control Report

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220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3766256								
WG2562030-4 DUP		**WG2562030-3**						
1,2-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,2-Dichloropropane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,3-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
1,4-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Acetone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	06-JUL-17
Benzene		0.0321	0.0318		ug/g	0.8	40	06-JUL-17
Bromodichloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Bromoform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Bromomethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Carbon tetrachloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Chlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Chloroform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
cis-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	06-JUL-17
Dibromochloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Dichlorodifluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Ethylbenzene		0.051	0.051		ug/g	0.5	40	06-JUL-17
n-Hexane		0.066	0.066		ug/g	0.4	40	06-JUL-17
Methylene Chloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
MTBE		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
m+p-Xylenes		0.281	0.285		ug/g	1.2	40	06-JUL-17
Methyl Ethyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	06-JUL-17
Methyl Isobutyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	06-JUL-17
o-Xylene		0.207	0.212		ug/g	2.4	40	06-JUL-17
Styrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Tetrachloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Toluene		0.232	0.232		ug/g	0.0	40	06-JUL-17
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
trans-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	06-JUL-17
Trichloroethylene		<0.010	<0.010	RPD-NA	ug/g	N/A	40	06-JUL-17
Trichlorofluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	06-JUL-17
Vinyl chloride		<0.020	<0.020	RPD-NA	ug/g	N/A	40	06-JUL-17
WG2562030-2 LCS								

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3766256								
WG2562030-2 LCS								
1,1,1,2-Tetrachloroethane			98.2		%		60-130	05-JUL-17
1,1,2,2-Tetrachloroethane			99.6		%		60-130	05-JUL-17
1,1,1-Trichloroethane			95.7		%		60-130	05-JUL-17
1,1,2-Trichloroethane			99.8		%		60-130	05-JUL-17
1,1-Dichloroethane			96.1		%		60-130	05-JUL-17
1,1-Dichloroethylene			86.5		%		60-130	05-JUL-17
1,2-Dibromoethane			98.1		%		70-130	05-JUL-17
1,2-Dichlorobenzene			96.3		%		70-130	05-JUL-17
1,2-Dichloroethane			99.6		%		60-130	05-JUL-17
1,2-Dichloropropane			98.8		%		70-130	05-JUL-17
1,3-Dichlorobenzene			95.5		%		70-130	05-JUL-17
1,4-Dichlorobenzene			97.0		%		70-130	05-JUL-17
Acetone			115.0		%		60-140	05-JUL-17
Benzene			98.8		%		70-130	05-JUL-17
Bromodichloromethane			95.8		%		50-140	05-JUL-17
Bromoform			98.9		%		70-130	05-JUL-17
Bromomethane			91.2		%		50-140	05-JUL-17
Carbon tetrachloride			94.5		%		70-130	05-JUL-17
Chlorobenzene			99.4		%		70-130	05-JUL-17
Chloroform			99.0		%		70-130	05-JUL-17
cis-1,2-Dichloroethylene			95.8		%		70-130	05-JUL-17
cis-1,3-Dichloropropene			98.1		%		70-130	05-JUL-17
Dibromochloromethane			105.0		%		60-130	05-JUL-17
Dichlorodifluoromethane			55.0		%		50-140	05-JUL-17
Ethylbenzene			95.8		%		70-130	05-JUL-17
n-Hexane			97.6		%		70-130	05-JUL-17
Methylene Chloride			101.3		%		70-130	05-JUL-17
MTBE			93.8		%		70-130	05-JUL-17
m+p-Xylenes			98.2		%		70-130	05-JUL-17
Methyl Ethyl Ketone			97.9		%		60-140	05-JUL-17
Methyl Isobutyl Ketone			91.6		%		60-140	05-JUL-17
o-Xylene			99.4		%		70-130	05-JUL-17
Styrene			100.3		%		70-130	05-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3766256								
WG2562030-2 LCS								
Tetrachloroethylene			99.0		%		60-130	05-JUL-17
Toluene			97.4		%		70-130	05-JUL-17
trans-1,2-Dichloroethylene			98.1		%		60-130	05-JUL-17
trans-1,3-Dichloropropene			99.6		%		70-130	05-JUL-17
Trichloroethylene			97.1		%		60-130	05-JUL-17
Trichlorofluoromethane			110.8		%		50-140	05-JUL-17
Vinyl chloride			78.0		%		60-140	05-JUL-17
WG2562030-1 MB								
1,1,1,2-Tetrachloroethane			<0.050		ug/g		0.05	06-JUL-17
1,1,2,2-Tetrachloroethane			<0.050		ug/g		0.05	06-JUL-17
1,1,1-Trichloroethane			<0.050		ug/g		0.05	06-JUL-17
1,1,2-Trichloroethane			<0.050		ug/g		0.05	06-JUL-17
1,1-Dichloroethane			<0.050		ug/g		0.05	06-JUL-17
1,1-Dichloroethylene			<0.050		ug/g		0.05	06-JUL-17
1,2-Dibromoethane			<0.050		ug/g		0.05	06-JUL-17
1,2-Dichlorobenzene			<0.050		ug/g		0.05	06-JUL-17
1,2-Dichloroethane			<0.050		ug/g		0.05	06-JUL-17
1,2-Dichloropropane			<0.050		ug/g		0.05	06-JUL-17
1,3-Dichlorobenzene			<0.050		ug/g		0.05	06-JUL-17
1,4-Dichlorobenzene			<0.050		ug/g		0.05	06-JUL-17
Acetone			<0.50		ug/g		0.5	06-JUL-17
Benzene			<0.0068		ug/g		0.0068	06-JUL-17
Bromodichloromethane			<0.050		ug/g		0.05	06-JUL-17
Bromoform			<0.050		ug/g		0.05	06-JUL-17
Bromomethane			<0.050		ug/g		0.05	06-JUL-17
Carbon tetrachloride			<0.050		ug/g		0.05	06-JUL-17
Chlorobenzene			<0.050		ug/g		0.05	06-JUL-17
Chloroform			<0.050		ug/g		0.05	06-JUL-17
cis-1,2-Dichloroethylene			<0.050		ug/g		0.05	06-JUL-17
cis-1,3-Dichloropropene			<0.030		ug/g		0.03	06-JUL-17
Dibromochloromethane			<0.050		ug/g		0.05	06-JUL-17
Dichlorodifluoromethane			<0.050		ug/g		0.05	06-JUL-17
Ethylbenzene			<0.018		ug/g		0.018	06-JUL-17
n-Hexane			<0.050		ug/g		0.05	06-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3766256								
WG2562030-1 MB								
Methylene Chloride			<0.050		ug/g		0.05	06-JUL-17
MTBE			<0.050		ug/g		0.05	06-JUL-17
m+p-Xylenes			<0.030		ug/g		0.03	06-JUL-17
Methyl Ethyl Ketone			<0.50		ug/g		0.5	06-JUL-17
Methyl Isobutyl Ketone			<0.50		ug/g		0.5	06-JUL-17
o-Xylene			<0.020		ug/g		0.02	06-JUL-17
Styrene			<0.050		ug/g		0.05	06-JUL-17
Tetrachloroethylene			<0.050		ug/g		0.05	06-JUL-17
Toluene			<0.080		ug/g		0.08	06-JUL-17
trans-1,2-Dichloroethylene			<0.050		ug/g		0.05	06-JUL-17
trans-1,3-Dichloropropene			<0.030		ug/g		0.03	06-JUL-17
Trichloroethylene			<0.010		ug/g		0.01	06-JUL-17
Trichlorofluoromethane			<0.050		ug/g		0.05	06-JUL-17
Vinyl chloride			<0.020		ug/g		0.02	06-JUL-17
Surrogate: 1,4-Difluorobenzene			101.9		%		50-140	06-JUL-17
Surrogate: 4-Bromofluorobenzene			101.4		%		50-140	06-JUL-17
WG2562030-5 MS		**WG2562030-3**						
1,1,1,2-Tetrachloroethane			106.3		%		50-140	05-JUL-17
1,1,2,2-Tetrachloroethane			109.0		%		50-140	05-JUL-17
1,1,1-Trichloroethane			103.9		%		50-140	05-JUL-17
1,1,2-Trichloroethane			109.4		%		50-140	05-JUL-17
1,1-Dichloroethane			105.3		%		50-140	05-JUL-17
1,1-Dichloroethylene			94.0		%		50-140	05-JUL-17
1,2-Dibromoethane			108.8		%		50-140	05-JUL-17
1,2-Dichlorobenzene			101.0		%		50-140	05-JUL-17
1,2-Dichloroethane			109.9		%		50-140	05-JUL-17
1,2-Dichloropropane			108.7		%		50-140	05-JUL-17
1,3-Dichlorobenzene			97.6		%		50-140	05-JUL-17
1,4-Dichlorobenzene			100.5		%		50-140	05-JUL-17
Acetone			120.3		%		50-140	05-JUL-17
Benzene			106.4		%		50-140	05-JUL-17
Bromodichloromethane			105.4		%		50-140	05-JUL-17
Bromoform			109.1		%		50-140	05-JUL-17
Bromomethane			98.9		%		50-140	05-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3766256								
WG2562030-5 MS		**WG2562030-3**						
Carbon tetrachloride			102.1		%		50-140	05-JUL-17
Chlorobenzene			107.7		%		50-140	05-JUL-17
Chloroform			107.9		%		50-140	05-JUL-17
cis-1,2-Dichloroethylene			104.4		%		50-140	05-JUL-17
cis-1,3-Dichloropropene			105.0		%		50-140	05-JUL-17
Dibromochloromethane			115.2		%		50-140	05-JUL-17
Dichlorodifluoromethane			57.5		%		50-140	05-JUL-17
Ethylbenzene			102.7		%		50-140	05-JUL-17
n-Hexane			103.3		%		50-140	05-JUL-17
Methylene Chloride			110.5		%		50-140	05-JUL-17
MTBE			102.3		%		50-140	05-JUL-17
m+p-Xylenes			100.4		%		50-140	05-JUL-17
Methyl Ethyl Ketone			110.4		%		50-140	05-JUL-17
Methyl Isobutyl Ketone			104.9		%		50-140	05-JUL-17
o-Xylene			97.9		%		50-140	05-JUL-17
Styrene			106.0		%		50-140	05-JUL-17
Tetrachloroethylene			104.6		%		50-140	05-JUL-17
Toluene			94.9		%		50-140	05-JUL-17
trans-1,2-Dichloroethylene			106.3		%		50-140	05-JUL-17
trans-1,3-Dichloropropene			105.7		%		50-140	05-JUL-17
Trichloroethylene			104.6		%		50-140	05-JUL-17
Trichlorofluoromethane			120.6		%		50-140	05-JUL-17
Vinyl chloride			84.7		%		50-140	05-JUL-17

Quality Control Report

Workorder: L1951949 Report Date: 10-JUL-17

Client: TERRAPROBE-BRAMPTON
220 BAYVIEW DR UNIT 23
BARRIE ON L4N 4Y8
Contact: Suvish Melanta

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
RM-L	Reference Material recovery was below ALS DQO. Lab Control Sample and/or Matrix Spike results were acceptable. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

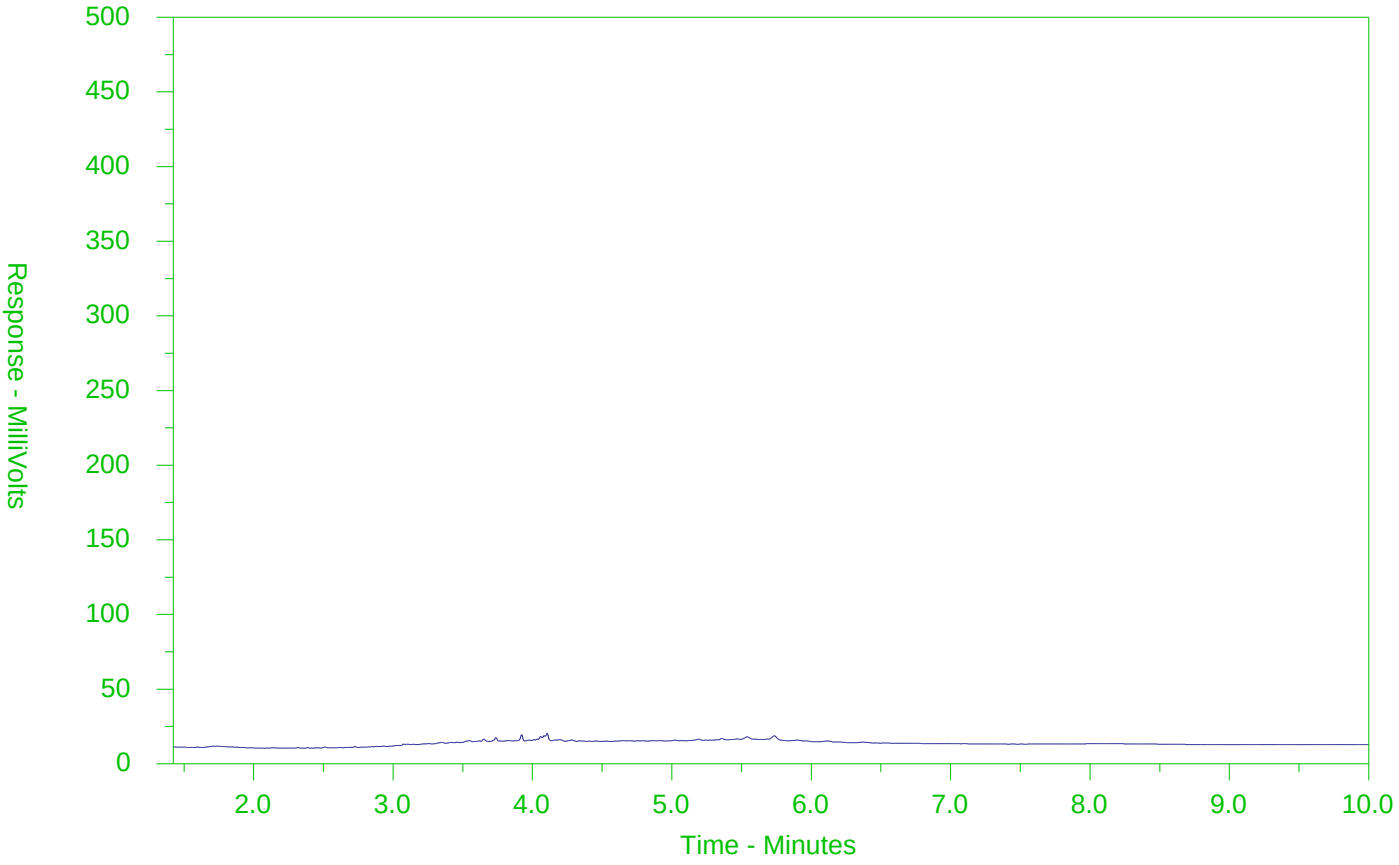
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-2
Client Sample ID: BH301 SA2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

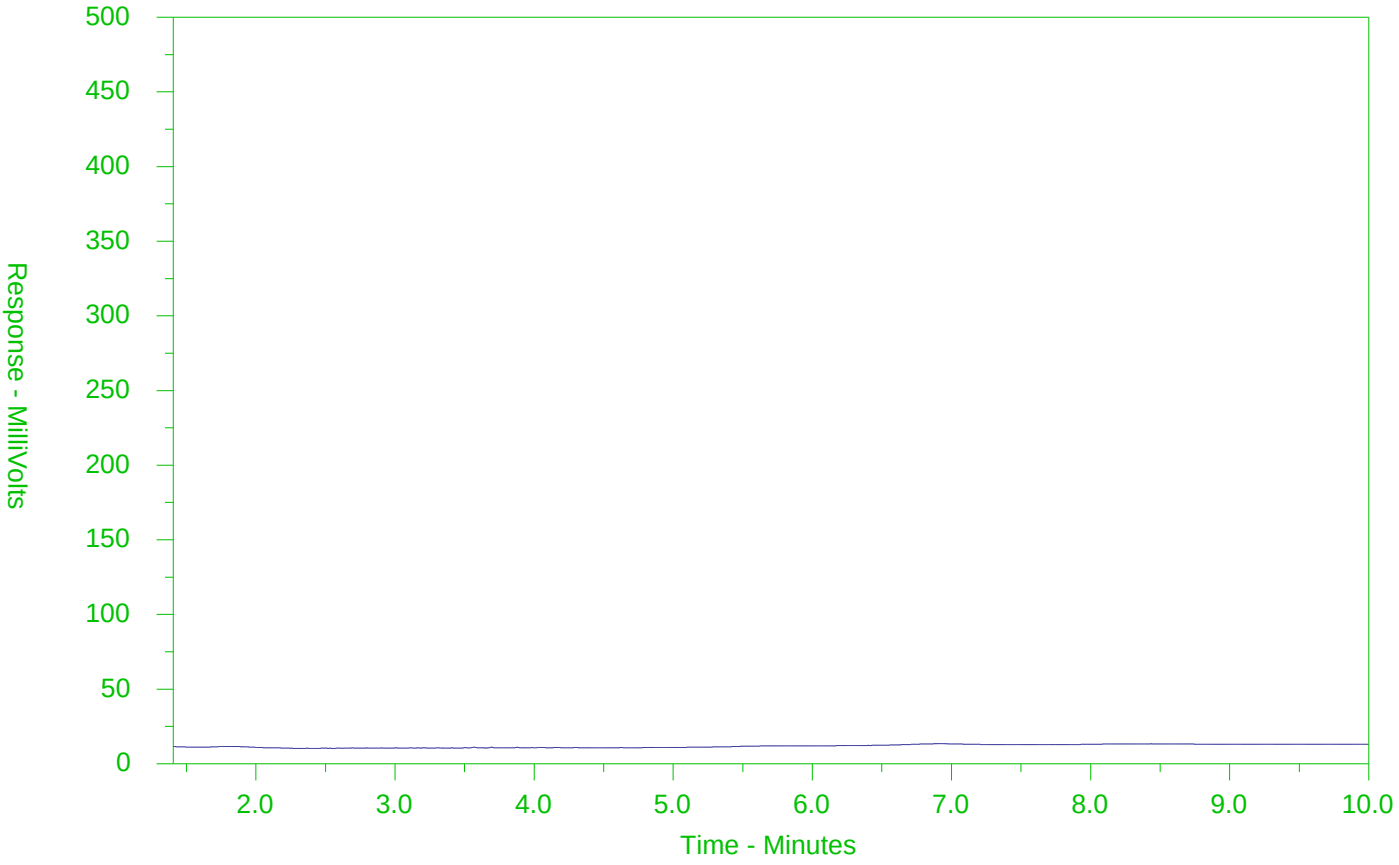
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-3
Client Sample ID: BH301 SA11



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

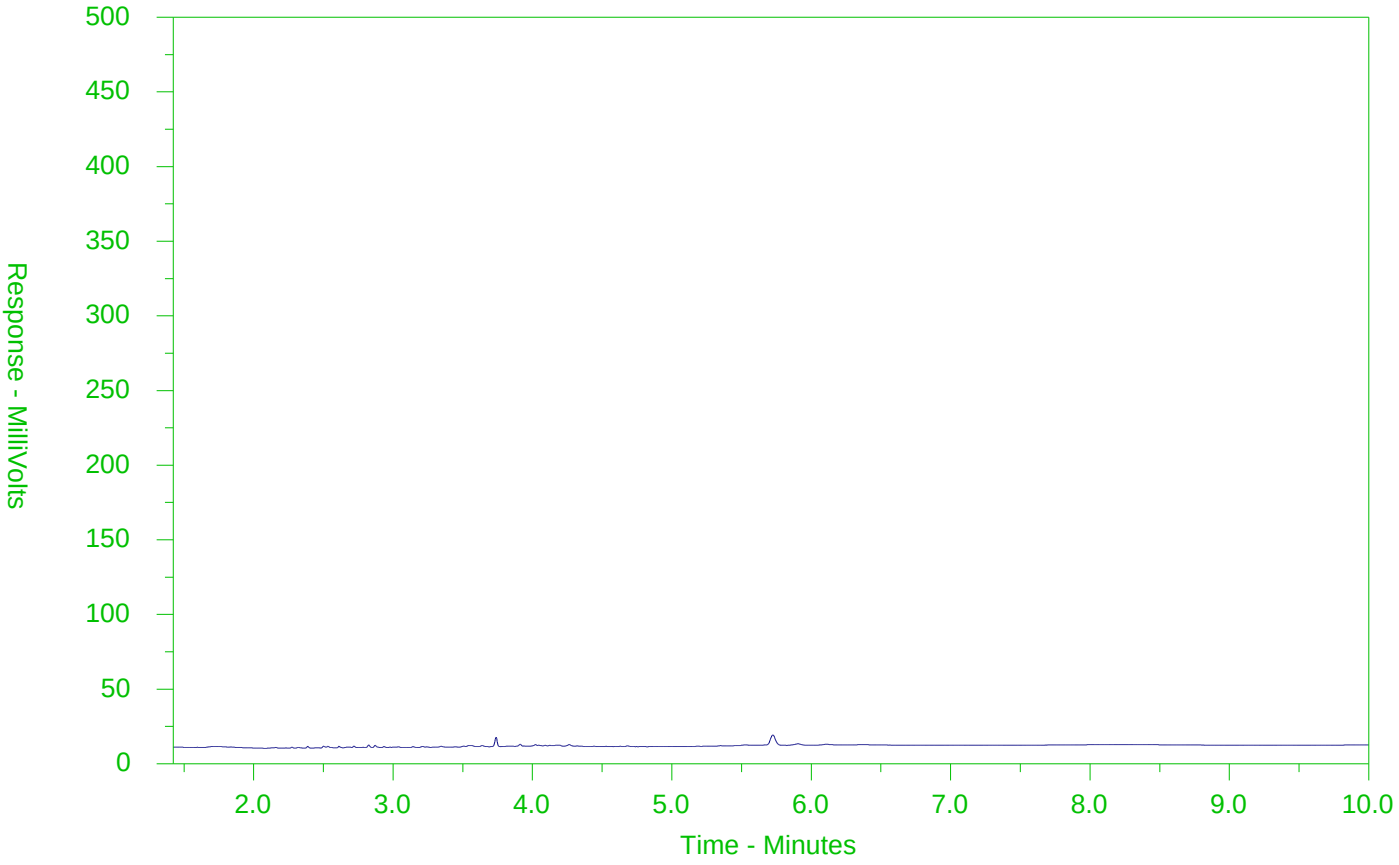
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-5
Client Sample ID: BH302 SA2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

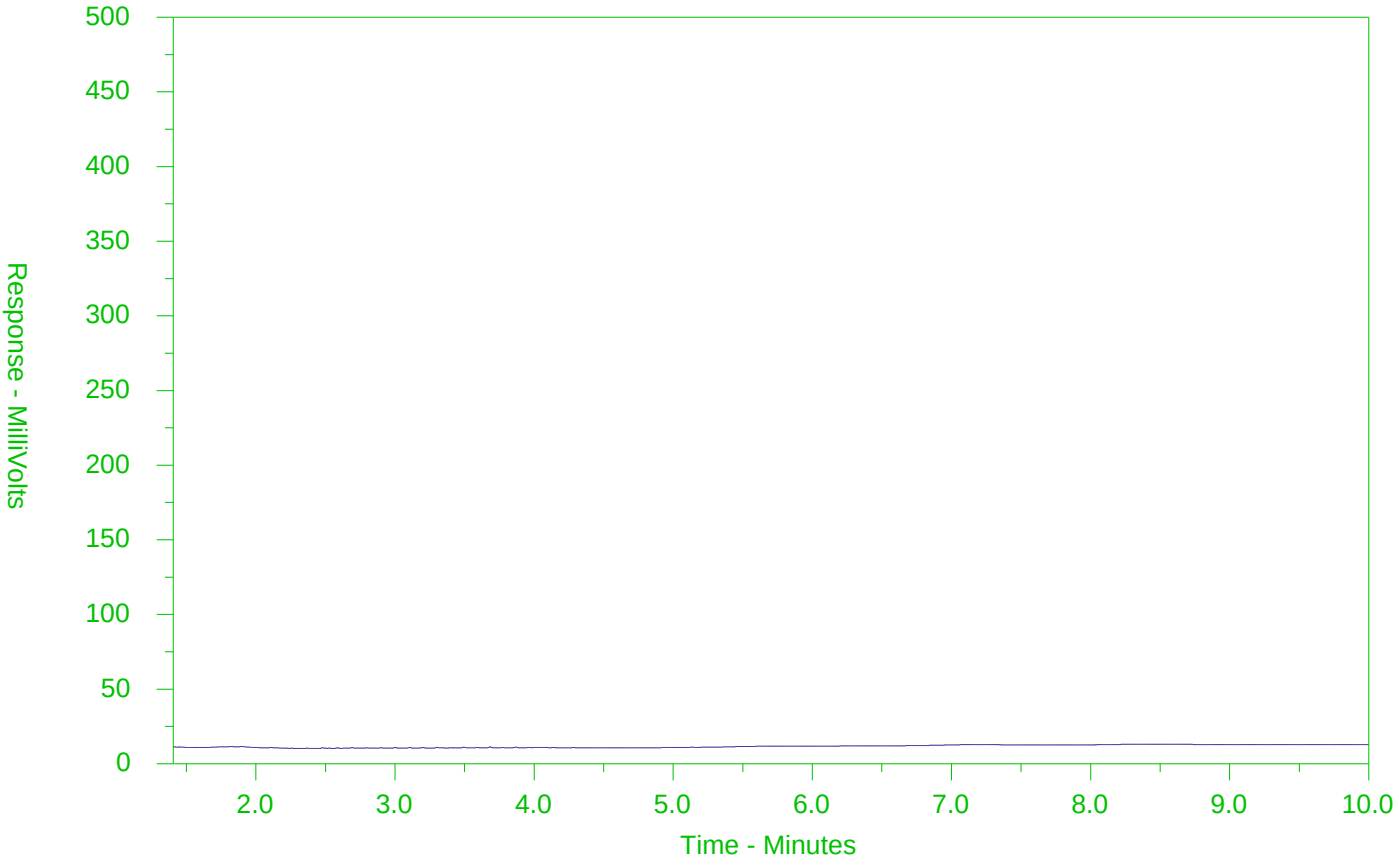
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-6
Client Sample ID: BH302 SA11



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

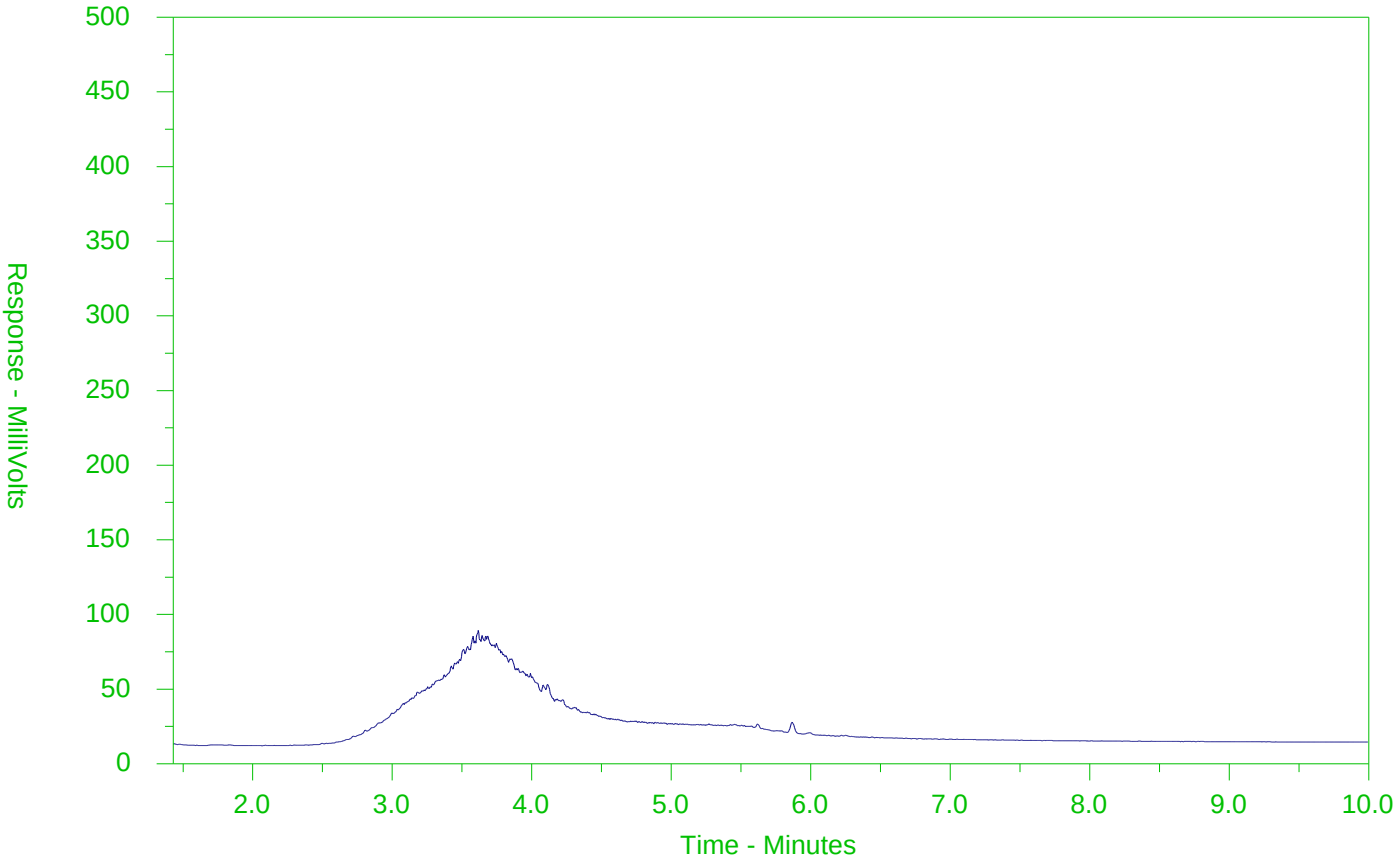
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-8
Client Sample ID: BH303 SA2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

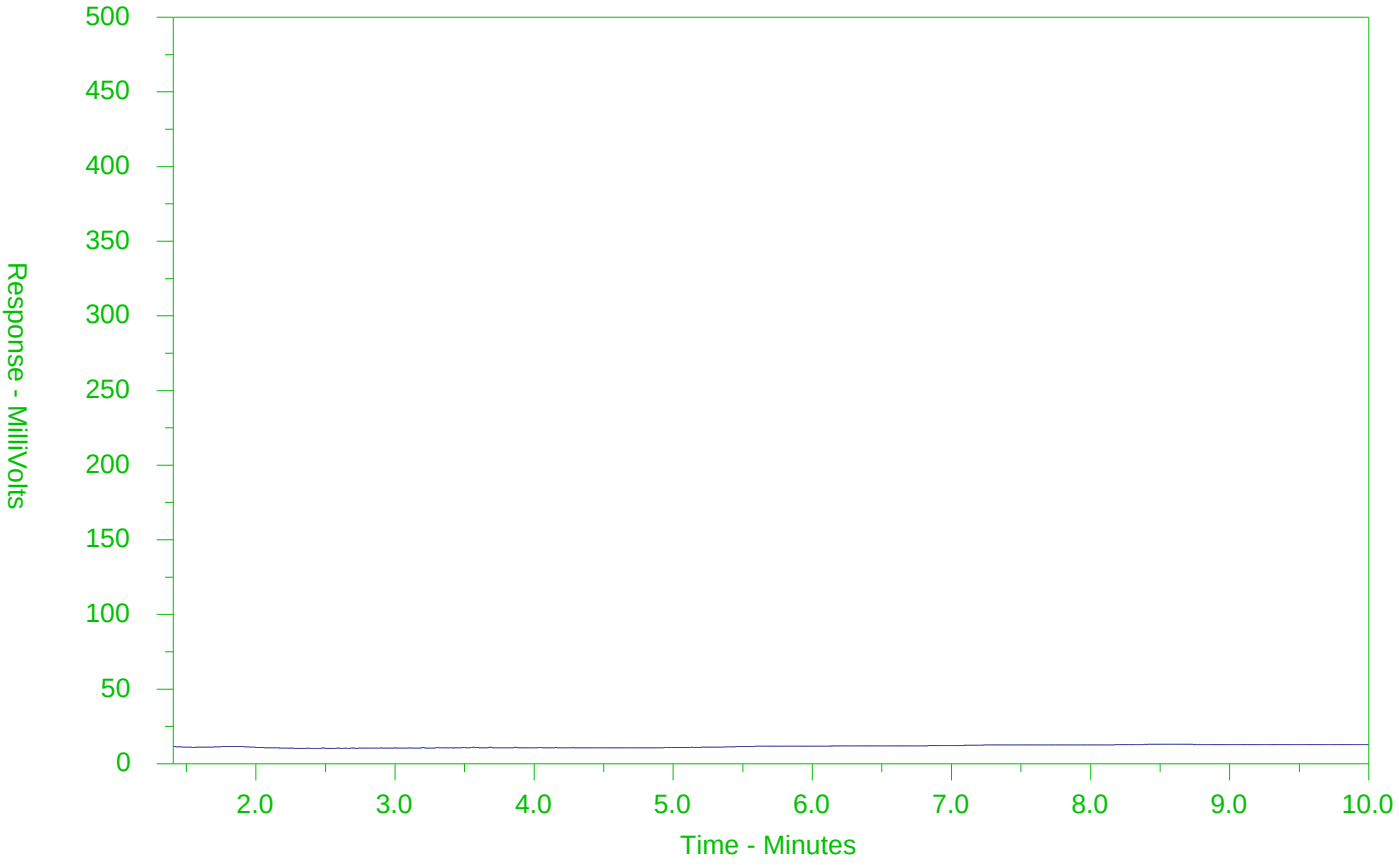
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-9
Client Sample ID: BH303 SA11



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

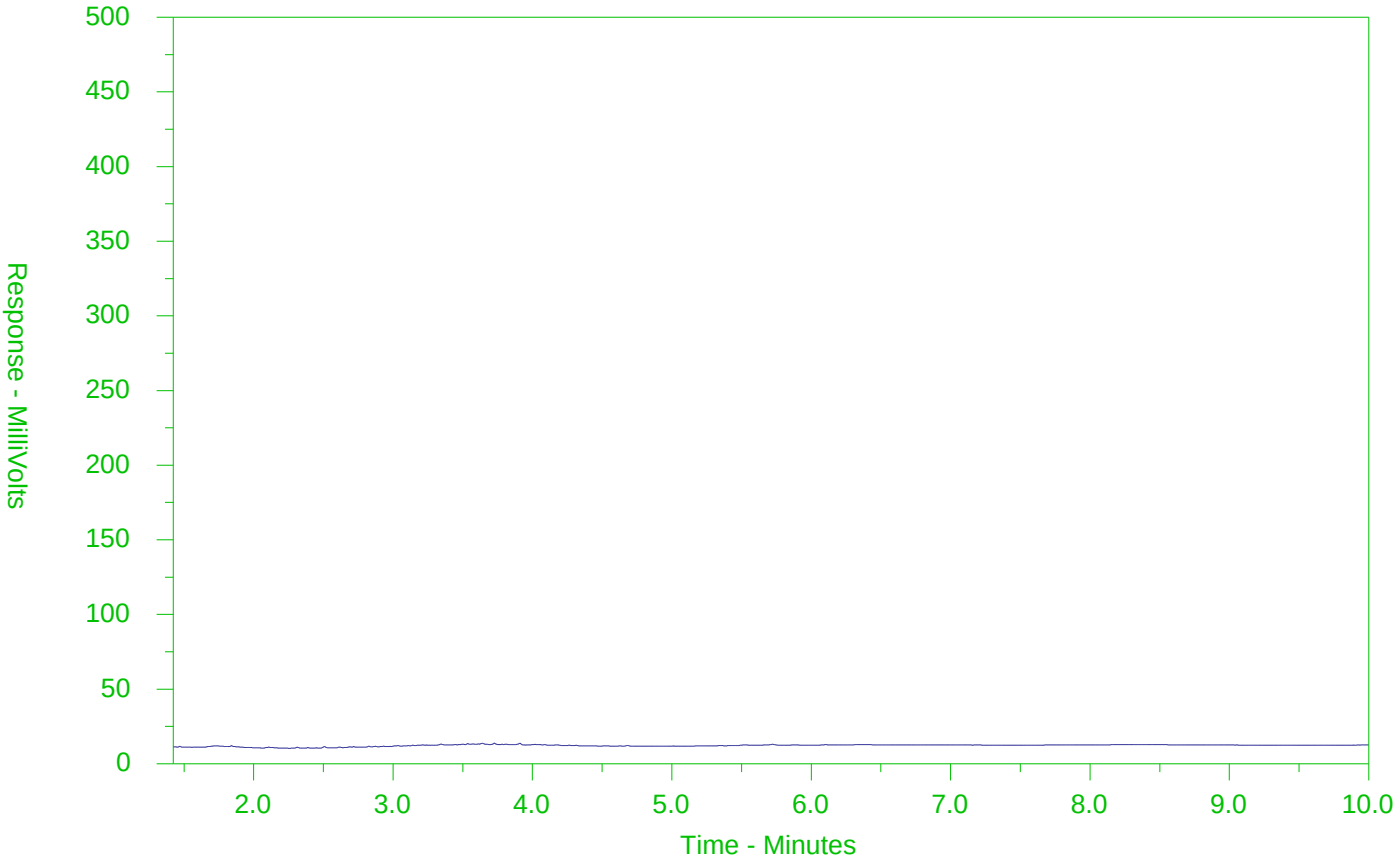
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-11
Client Sample ID: BH304 SA2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

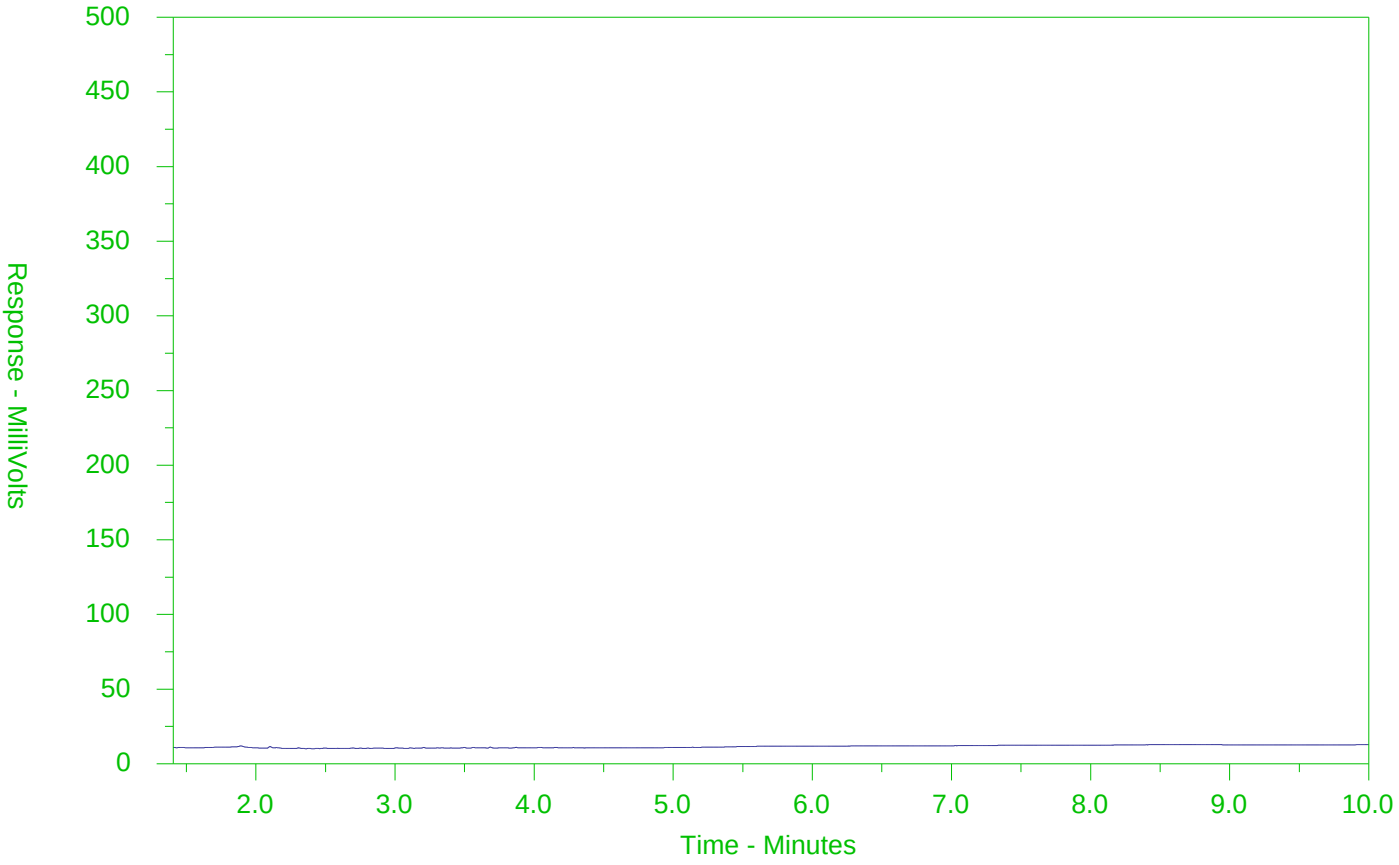
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-12
Client Sample ID: BH304 SA11



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

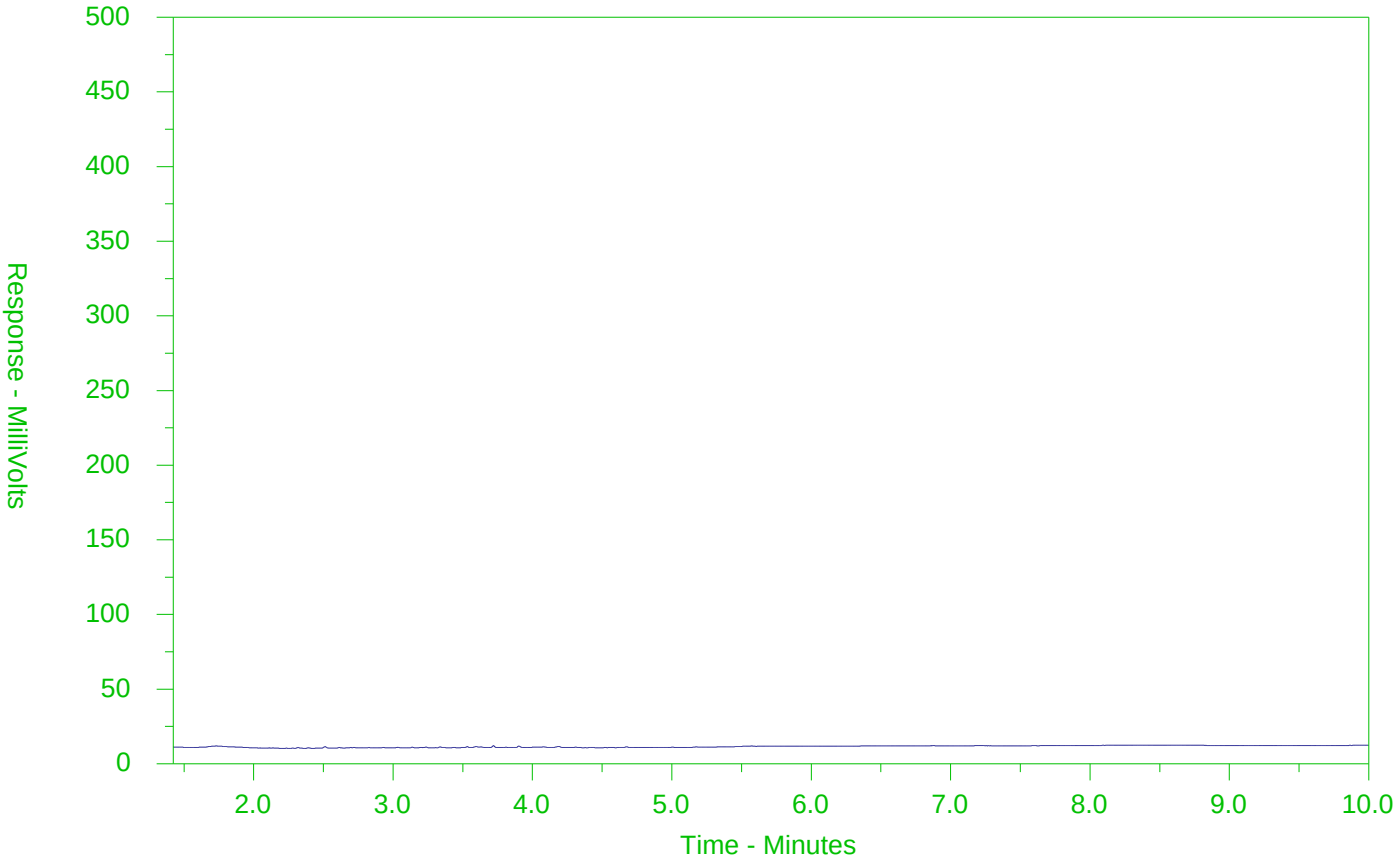
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1951949-13
Client Sample ID: DUP 1



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

ALS Environmental
www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1951949-COFC

COC Number: 15 - 548

Page 2 of 2

Report To	Contact and company name below will appear on the final report	Report Format / Distribution		Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply
Company:	Terraprobe	Select Report Format:	PDF ☒ EXCEL ☒ EDD (DIGITAL) ☐	Regular [R] ☒ Standard TAT if received by 3 pm - business days - no surcharges apply
Contact:	Sviatoslav Melanta	Quality Control (QC) Report with Report	YES ☐ NO ☐	PRIORITY (Business Days): 4 day [P4] ☐ / 3 day [P3] ☐ / 2 day [P2] ☐
Phone:	705 796 8855	Compare Results to Criteria on Report - provide details below if box checked	☒	EMERGENCY: 1 Business day [E1] ☐ / Same Day, Weekend or Statutory holiday [E0] ☐
	Company address below will appear on the final report	Select Distribution:	EMAIL ☒ MAIL ☐ FAX ☐	Date and Time Required for all E&P TATs: mm/dd/yy hh:mm
Street:	220 Bayview Dr. Unit 25	Email 1 or Fax	Smelanta@terraprobe.ca	For tests that can not be performed according to the service level selected, you will be contacted:
City/Province:	Barrie ON	Email 2	Mbielaski@terraprobe.ca	
Postal Code:	L4N 4Y8	Email 3	ngaurreau@terraprobe.ca	
Invoice To	Same as Report To ☒ YES ☐ NO	**Invoice Distribution**		**Analysis Request**
	Copy of Invoice with Report ☒ YES ☐ NO	Select Invoice Distribution:	EMAIL ☒ MAIL ☐ FAX ☐	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax	LRossi@terraprobe.ca	
Contact:	LORENA ROSSI	Email 2		

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:		AFE/Cost Center:	PO#
Job #:	1-17-0147-42	Major/Minor Code:	Routing Code:
PO / AFE:		Requisitioner:	
LSD:		Location:	
ALS Lab Work Order # (lab use only)		ALS Contact: f	Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals & Inorganics	VOCs	PAH	PHC F1-F4	Number of Containers
13	DUP1	~~06~~-29-06-17	3:00	S	X	X	X	X	4

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)
Are samples taken from a Regulated DW System? ☐ YES ☒ NO	Reg 153-04 Table 2 Res/Park - RSC - soil texture = coarse
Are samples for human drinking water use? ☐ YES ☒ NO	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			10.7		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Nathan GAURREAU	Date: 06/30/17	Time: 11:00	Received by:	Date: 30/6/17	Time: 14:5	Received by:	Date: June 30/17	Time: 17:10

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form.**

R

ALS Environmental
www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1951949-COFC

COC Number: 15 - 548317

Page 1 of 2

Report To	Contact and company name below will appear on the final report
Company:	Terraprobe
Contact:	Sarah Melanta
Phone:	~~705 726-2650~~ 705 739 8355
	Company address below will appear on the final report
Street:	~~Unit~~ 220 Bayview Dr. Unit 25
City/Province:	Barrie ON
Postal Code:	L4N 4Y8
Invoice To	Same as Report To: YES NO
	Copy of Invoice with Report: YES NO
Company:	
Contact:	LORENA ROSSI

Report Format / Distribution	
Select Report Format:	PDF, EXCEL, EDD (DIGITAL)
Quality Control (QC) Report with Report	YES NO
Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	EMAIL, MAIL, FAX
Email 1 or Fax	smelanta@terraprobe.ca
Email 2	mbielaski@terraprobe.ca
Email 3	dgauvreau@terraprobe.ca
Invoice Distribution	
Select Invoice Distribution:	EMAIL, MAIL, FAX
Email 1 or Fax	LRossi@terraprobe.ca
Email 2	

Project Information	
ALS Account # / Quote #:	
Job #:	1-17-0147-42
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only)	L1951949

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#:
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	
ALS Contact: E-	Sampler:

Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply

Regular [R]: Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4]; 3 day [P3]; 2 day [P2]

EMERGENCY: 1 Business day [E1]; Same Day, Weekend or Statutory holiday [E0]

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals & Inorganics	VOCs	PAHs	PHC F1-F4	Number of Containers
1	BH301 /SA1	28-06-17	AM	S	X				1
2	BH301 /SA2	28-06-17	AM	S		X	X	X	3
3	BH301 /SA11	28-06-17	AM	S	X	X	X	X	4
4	BH302 /SA1	28-06-17	PM	S	X				1
5	BH302/SA2	28-06-17	PM	S		X	X	X	3
6	BH302/SA11	28-06-17	PM	S	X	X	X	X	4
7	BH303 /SA1	29-06-17	11:00	S	X				1
8	BH303/SA2	29-06-17	11:00	S		X	X	X	3
9	BH303/SA11	29-06-17	11:00	S	X	X	X	X	4
10	BH304 /SA1	29-06-17	3:00	S	X				1
11	BH304 /SA2	29-06-17	3:00	S		X	X	X	3
12	BH304 /SA11	29-06-17	3:00	S	X	X	X	X	4

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? YES NO

Are samples for human drinking water use? YES NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Reg 153-04 Table 2 - Res/Park
- RSC - Soil texture = coarse

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen; SIF Observations Yes No; Ice Packs; Ice Cubes; Custody seal intact Yes No; Cooling Initiated

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
	10.7

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
NICHOLAS Gauvreau	06/30/2017	11:00		30/6/17	1:45	M	JUNE 30/17	17:10

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

TERRAPROBE-BRAMPTON
ATTN: Suvish Melanta
11 Indell Lane
Brampton ON L6T 3Y3

Date Received: 19-APR-17
Report Date: 27-APR-17 14:30 (MT)
Version: FINAL

Client Phone: 905-796-2650

Certificate of Analysis

Lab Work Order #: L1915123

Project P.O. #: NOT SUBMITTED
Job Reference:
C of C Numbers: 15-555631
Legal Site Desc: N/A

Emerson Perez, B.S.E
Account Manager

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Summary of Guideline Exceedances

ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use						
L1915123-1	SSUS 1	Hydrocarbons	F2 (C10-C16)	61	10	ug/g
			F3 (C16-C34)	630	240	ug/g
			F4 (C34-C50)	317	120	ug/g
			F4G-SG (GHH-Silica)	1250	120	ug/g
		Polycyclic Aromatic Hydrocarbons	Fluoranthene	0.751	0.69	ug/g
L1915123-2	SSUS 2	Saturated Paste Extractables	SAR	5.96	5	SAR
		Metals	Lead (Pb)	241	120	ug/g
			Zinc (Zn)	350	290	ug/g
		Volatile Organic Compounds	1,1,2,2-Tetrachloroethane	<0.18	0.05	ug/g
		Hydrocarbons	F2 (C10-C16)	80	10	ug/g
			F3 (C16-C34)	1100	240	ug/g
			F4 (C34-C50)	556	120	ug/g
			F4G-SG (GHH-Silica)	2020	120	ug/g
		Polycyclic Aromatic Hydrocarbons	Acenaphthene	0.337	0.072	ug/g
			Anthracene	0.678	0.22	ug/g
			Benzo(a)anthracene	1.70	0.36	ug/g
			Benzo(a)pyrene	1.72	0.3	ug/g
			Benzo(b)fluoranthene	2.54	0.47	ug/g
			Benzo(g,h,i)perylene	1.10	0.68	ug/g
			Benzo(k)fluoranthene	0.844	0.48	ug/g
			Dibenzo(ah)anthracene	0.282	0.1	ug/g
			Fluoranthene	5.08	0.69	ug/g
			Fluorene	0.469	0.19	ug/g
			Indeno(1,2,3-cd)pyrene	1.16	0.23	ug/g
			Phenanthrene	3.48	0.69	ug/g
			Pyrene	4.06	1	ug/g
L1915123-3	SSUS 3	Hydrocarbons	F4 (C34-C50)	125	120	ug/g
L1915123-4	SSUS 4	Volatile Organic Compounds	Trichlorofluoromethane	1.98	0.25	ug/g
		Polycyclic Aromatic Hydrocarbons	Fluoranthene	0.701	0.69	ug/g
L1915123-5	SSUS 5	Hydrocarbons	F2 (C10-C16)	11	10	ug/g
			F3 (C16-C34)	256	240	ug/g
			F4 (C34-C50)	128	120	ug/g
			F4G-SG (GHH-Silica)	510	120	ug/g
		Polycyclic Aromatic	Acenaphthene	0.369	0.072	ug/g

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Summary of Guideline Exceedances

Guideline ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use						
L1915123-5	SSUS 5	Polycyclic Aromatic Hydrocarbons	Anthracene	0.322	0.22	ug/g
			Benzo(a)anthracene	1.61	0.36	ug/g
			Benzo(a)pyrene	1.72	0.3	ug/g
			Benzo(b)fluoranthene	2.47	0.47	ug/g
			Benzo(g,h,i)perylene	1.23	0.68	ug/g
			Benzo(k)fluoranthene	0.873	0.48	ug/g
			Dibenzo(ah)anthracene	0.282	0.1	ug/g
			Fluoranthene	5.08	0.69	ug/g
			Fluorene	0.358	0.19	ug/g
			Indeno(1,2,3-cd)pyrene	1.31	0.23	ug/g
			Phenanthrene	3.14	0.69	ug/g
			Pyrene	3.93	1	ug/g
L1915123-6	SSUS 6	Volatile Organic Compounds	1,1,2,2-Tetrachloroethane	<0.13	0.05	ug/g
		Hydrocarbons	F2 (C10-C16)	20	10	ug/g
			F3 (C16-C34)	632	240	ug/g
			F4 (C34-C50)	326	120	ug/g
			F4G-SG (GHH-Silica)	1240	120	ug/g
		Polycyclic Aromatic Hydrocarbons	Acenaphthene	0.081	0.072	ug/g
			Benzo(a)anthracene	0.396	0.36	ug/g
			Benzo(a)pyrene	0.441	0.3	ug/g
			Benzo(b)fluoranthene	0.682	0.47	ug/g
			Fluoranthene	1.34	0.69	ug/g
			Indeno(1,2,3-cd)pyrene	0.342	0.23	ug/g
			Phenanthrene	0.864	0.69	ug/g
			Pyrene	1.07	1	ug/g
L1915123-7	SSDS 1	Hydrocarbons	F2 (C10-C16)	18	10	ug/g
			F3 (C16-C34)	357	240	ug/g
			F4 (C34-C50)	153	120	ug/g
			F4G-SG (GHH-Silica)	580	120	ug/g
		Polycyclic Aromatic Hydrocarbons	Acenaphthene	0.999	0.072	ug/g
			Anthracene	2.27	0.22	ug/g
			Benzo(a)anthracene	3.51	0.36	ug/g
			Benzo(a)pyrene	2.95	0.3	ug/g
			Benzo(b)fluoranthene	3.78	0.47	ug/g
			Benzo(g,h,i)perylene	1.63	0.68	ug/g
			Benzo(k)fluoranthene	1.47	0.48	ug/g

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Summary of Guideline Exceedances

ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use						
L1915123-7	SSDS 1	Polycyclic Aromatic Hydrocarbons	Chrysene	3.62	2.8	ug/g
			Dibenzo(ah)anthracene	0.473	0.1	ug/g
			Fluoranthene	9.78	0.69	ug/g
			Fluorene	1.51	0.19	ug/g
			Indeno(1,2,3-cd)pyrene	1.88	0.23	ug/g
			Naphthalene	0.622	0.09	ug/g
			Phenanthrene	10.1	0.69	ug/g
			Pyrene	7.30	1	ug/g
L1915123-8	SSDS 2	Volatile Organic Compounds	Trichlorofluoromethane	0.253	0.25	ug/g
		Hydrocarbons	F2 (C10-C16)	21	10	ug/g
			F3 (C16-C34)	480	240	ug/g
			F4 (C34-C50)	234	120	ug/g
			F4G-SG (GHH-Silica)	750	120	ug/g
		Polycyclic Aromatic Hydrocarbons	Acenaphthene	0.233	0.072	ug/g
			Anthracene	0.535	0.22	ug/g
			Benzo(a)anthracene	1.17	0.36	ug/g
			Benzo(a)pyrene	1.01	0.3	ug/g
			Benzo(b)fluoranthene	1.40	0.47	ug/g
			Benzo(k)fluoranthene	0.483	0.48	ug/g
			Dibenzo(ah)anthracene	0.166	0.1	ug/g
			Fluoranthene	3.20	0.69	ug/g
			Fluorene	0.342	0.19	ug/g
			Indeno(1,2,3-cd)pyrene	0.650	0.23	ug/g
			Phenanthrene	2.83	0.69	ug/g
			Pyrene	2.44	1	ug/g
L1915123-9	SSDS 3	Hydrocarbons	F3 (C16-C34)	282	240	ug/g
			F4 (C34-C50)	199	120	ug/g
			F4G-SG (GHH-Silica)	730	120	ug/g
L1915123-10	SSDS 4	Hydrocarbons	F3 (C16-C34)	263	240	ug/g
			F4 (C34-C50)	225	120	ug/g
			F4G-SG (GHH-Silica)	890	120	ug/g
		Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.315	0.3	ug/g
			Fluoranthene	0.832	0.69	ug/g
			Indeno(1,2,3-cd)pyrene	0.237	0.23	ug/g
L1915123-11	SSDS 5	Hydrocarbons	F3 (C16-C34)	570	240	ug/g

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Summary of Guideline Exceedances

Guideline ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use						
L1915123-11	SSDS 5	Hydrocarbons	F4 (C34-C50)	621	120	ug/g
			F4G-SG (GHH-Silica)	2450	120	ug/g
		Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.318	0.3	ug/g
			Benzo(b)fluoranthene	0.497	0.47	ug/g
			Fluoranthene	0.748	0.69	ug/g
			Indeno(1,2,3-cd)pyrene	0.272	0.23	ug/g
L1915123-12	SSDS 6	Hydrocarbons	F3 (C16-C34)	252	240	ug/g
			F4 (C34-C50)	184	120	ug/g
			F4G-SG (GHH-Silica)	1020	120	ug/g

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
				Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
				Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
Conductivity	mS/cm	0.7	-		0.335	0.609	0.152	0.131	0.219	0.222	0.313	0.221	0.233
% Moisture	%	-	-		16.6	34.2	14.8	15.3	25.6	22.6	21.8	23.2	13.9
pH	pH units	-	-		7.26	6.85	7.42	7.46	6.86	6.96	7.07	7.13	7.29

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Physical Tests - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID: L1915123-10 / Sample Date: 18-APR-17 / Sample ID: SSDS 4	Lab ID: L1915123-11 / Sample Date: 18-APR-17 / Sample ID: SSDS 5	Lab ID: L1915123-12 / Sample Date: 18-APR-17 / Sample ID: SSDS 6
Conductivity	mS/cm	0.7	-	0.390	0.295	0.197
% Moisture	%	-	-	17.0	22.0	20.6
pH	pH units	-	-	7.14	7.09	7.03

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Cyanides - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
				Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
				Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
Cyanide, Weak Acid Diss	ug/g	0.051	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Cyanides - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID
				L1915123-10	18-APR-17	SSDS 4
				L1915123-11	18-APR-17	SSDS 5
				L1915123-12	18-APR-17	SSDS 6
Cyanide, Weak Acid Diss	ug/g	0.051	-	<0.050	<0.050	<0.050

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Saturated Paste Extractables - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
				Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
				Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
SAR	SAR	5	-		4.24 SAR:M	5.96	1.41 SAR:M	1.12 SAR:M	0.95 SAR:M	0.98 SAR:M	1.41	0.98 SAR:M	2.56 SAR:M
Calcium (Ca)	mg/L	-	-		9.3	20.9	4.0	3.5	13.1	12.9	16.9	10.8	7.1
Magnesium (Mg)	mg/L	-	-		<1.0	1.1	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0
Sodium (Na)	mg/L	-	-		46.8	103	10.2	7.6	12.5	12.8	22.0	11.7	24.9

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Saturated Paste Extractables - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID: L1915123-10 / Sample Date: 18-APR-17 / Sample ID: SSDS 4	Lab ID: L1915123-11 / Sample Date: 18-APR-17 / Sample ID: SSDS 5	Lab ID: L1915123-12 / Sample Date: 18-APR-17 / Sample ID: SSDS 6
SAR	SAR	5	-	3.23 SAR:M	1.65	1.16 SAR:M
Calcium (Ca)	mg/L	-	-	16.4	13.9	8.3
Magnesium (Mg)	mg/L	-	-	<1.0	1.1	<1.0
Sodium (Na)	mg/L	-	-	47.5	23.7	12.2

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Metals - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
				Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
				Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
Antimony (Sb)	ug/g	1.3	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic (As)	ug/g	18	-		<1.0	2.5	<1.0	<1.0	1.3	1.6	<1.0	1.1	<1.0
Barium (Ba)	ug/g	220	-		22.4	78.5	10.4	10.8	33.5	40.6	19.4	27.4	23.3
Beryllium (Be)	ug/g	2.5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Boron (B)	ug/g	36	-		<5.0	5.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Boron (B), Hot Water Ext.	ug/g	1.5	-		0.19	0.75	<0.10	<0.10	0.31	0.36	0.18	0.37	0.12
Cadmium (Cd)	ug/g	1.2	-		<0.50	1.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium (Cr)	ug/g	70	-		14.2	32.4	5.3	7.1	14.0	16.5	8.6	11.3	11.8
Cobalt (Co)	ug/g	22	-		1.9	3.3	1.2	1.1	2.1	2.4	1.6	1.9	1.7
Copper (Cu)	ug/g	92	-		19.8	71.6	15.7	8.6	24.0	24.6	15.1	24.1	10.3
Lead (Pb)	ug/g	120	-		43.5	241	12.1	25.1	55.1	85.1	27.1	47.3	10.6
Mercury (Hg)	ug/g	0.27	-		0.0132	0.0685	<0.0050	0.0063	0.0254	0.0296	0.0087	0.0183	0.0084
Molybdenum (Mo)	ug/g	2	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Nickel (Ni)	ug/g	82	-		4.7	13.9	2.7	3.6	5.8	7.0	4.6	5.2	5.3
Selenium (Se)	ug/g	1.5	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver (Ag)	ug/g	0.5	-		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium (Tl)	ug/g	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Uranium (U)	ug/g	2.5	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium (V)	ug/g	86	-		25.6	23.4	12.0	10.8	18.9	20.8	13.1	17.0	23.1
Zinc (Zn)	ug/g	290	-		84.4	350	23.6	28.9	94.5	112	39.3	58.7	54.3

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Metals - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID
				L1915123-10	18-APR-17	SSDS 4
				L1915123-11	18-APR-17	SSDS 5
				L1915123-12	18-APR-17	SSDS 6
Antimony (Sb)	ug/g	1.3	-	<1.0	<1.0	<1.0
Arsenic (As)	ug/g	18	-	1.1	1.3	<1.0
Barium (Ba)	ug/g	220	-	33.0	31.6	26.5
Beryllium (Be)	ug/g	2.5	-	<0.50	<0.50	<0.50
Boron (B)	ug/g	36	-	<5.0	<5.0	<5.0
Boron (B), Hot Water Ext.	ug/g	1.5	-	0.21	0.28	0.17
Cadmium (Cd)	ug/g	1.2	-	<0.50	<0.50	<0.50
Chromium (Cr)	ug/g	70	-	13.9	16.0	12.5
Cobalt (Co)	ug/g	22	-	1.9	2.0	1.6
Copper (Cu)	ug/g	92	-	16.1	18.6	15.1
Lead (Pb)	ug/g	120	-	21.3	21.1	15.7
Mercury (Hg)	ug/g	0.27	-	0.0168	0.0150	0.0116
Molybdenum (Mo)	ug/g	2	-	<1.0	<1.0	<1.0
Nickel (Ni)	ug/g	82	-	6.1	5.5	4.5
Selenium (Se)	ug/g	1.5	-	<1.0	<1.0	<1.0
Silver (Ag)	ug/g	0.5	-	<0.20	<0.20	<0.20
Thallium (Tl)	ug/g	1	-	<0.50	<0.50	<0.50
Uranium (U)	ug/g	2.5	-	<1.0	<1.0	<1.0
Vanadium (V)	ug/g	86	-	18.9	22.2	17.1
Zinc (Zn)	ug/g	290	-	82.9	93.7	72.5

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

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ANALYTICAL REPORT

Speciated Metals - SOIL

		Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
		Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
		Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
Analyte	Unit	Guide Limits #1	#2								
Chromium, Hexavalent	ug/g	0.66	-	<0.20	<0.20	0.46	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

ANALYTICAL REPORT

Speciated Metals - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID
				L1915123-10	18-APR-17	SSDS 4
				L1915123-11	18-APR-17	SSDS 5
				L1915123-12	18-APR-17	SSDS 6
Chromium, Hexavalent	ug/g	0.66	-	<0.20	<0.20	<0.20

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

			Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
			Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
			Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
		Guide Limits										
Analyte	Unit	#1	#2									
Acetone	ug/g	0.5	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	ug/g	0.02	-	0.0084	0.0161	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068
Bromodichloromethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Bromoform	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Bromomethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Carbon tetrachloride	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Chlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Dibromochloromethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Chloroform	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dibromoethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dichlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,3-Dichlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,4-Dichlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Dichlorodifluoromethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1-Dichloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dichloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
cis-1,2-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
trans-1,2-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Methylene Chloride	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,2-Dichloropropane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
cis-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
trans-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
1,3-Dichloropropene (cis & trans)	ug/g	0.05	-	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042
Ethylbenzene	ug/g	0.05	-	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
n-Hexane	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Methyl Ethyl Ketone	ug/g	0.5	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g	0.5	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MTBE	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Styrene	ug/g	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Volatile Organic Compounds - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID
				L1915123-10	18-APR-17	SSDS 4
				L1915123-11	18-APR-17	SSDS 5
				L1915123-12	18-APR-17	SSDS 6
Acetone	ug/g	0.5	-	<0.50	<0.50	<0.50
Benzene	ug/g	0.02	-	<0.0068	<0.0068	<0.0068
Bromodichloromethane	ug/g	0.05	-	<0.050	<0.050	<0.050
Bromoform	ug/g	0.05	-	<0.050	<0.050	<0.050
Bromomethane	ug/g	0.05	-	<0.050	<0.050	<0.050
Carbon tetrachloride	ug/g	0.05	-	<0.050	<0.050	<0.050
Chlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050
Dibromochloromethane	ug/g	0.05	-	<0.050	<0.050	<0.050
Chloroform	ug/g	0.05	-	<0.050	<0.050	<0.050
1,2-Dibromoethane	ug/g	0.05	-	<0.050	<0.050	<0.050
1,2-Dichlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050
1,3-Dichlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050
1,4-Dichlorobenzene	ug/g	0.05	-	<0.050	<0.050	<0.050
Dichlorodifluoromethane	ug/g	0.05	-	<0.050	<0.050	<0.050
1,1-Dichloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050
1,2-Dichloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050
1,1-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050
cis-1,2-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050
trans-1,2-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050
Methylene Chloride	ug/g	0.05	-	<0.050	<0.050	<0.050
1,2-Dichloropropane	ug/g	0.05	-	<0.050	<0.050	<0.050
cis-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030	<0.030
trans-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030	<0.030
1,3-Dichloropropene (cis & trans)	ug/g	0.05	-	<0.042	<0.042	<0.042
Ethylbenzene	ug/g	0.05	-	<0.018	<0.018	<0.018
n-Hexane	ug/g	0.05	-	<0.050	<0.050	<0.050
Methyl Ethyl Ketone	ug/g	0.5	-	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g	0.5	-	<0.50	<0.50	<0.50
MTBE	ug/g	0.05	-	<0.050	<0.050	<0.050
Styrene	ug/g	0.05	-	<0.050	<0.050	<0.050

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
				Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
				Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
1,1,1,2-Tetrachloroethane	ug/g	0.05	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	-		<0.050	<0.18 DLQ	<0.050	<0.050	<0.050	<0.13 DLQ	<0.050	<0.050	<0.050
Tetrachloroethylene	ug/g	0.05	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	ug/g	0.2	-		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080
1,1,1-Trichloroethane	ug/g	0.05	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
1,1,2-Trichloroethane	ug/g	0.05	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Trichloroethylene	ug/g	0.05	-		<0.010	0.016	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010
Trichlorofluoromethane	ug/g	0.25	-		<0.050	0.097	<0.050	1.98	<0.050	<0.050	<0.050	0.253	<0.050
Vinyl chloride	ug/g	0.02	-		<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
o-Xylene	ug/g	-	-		<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
m+p-Xylenes	ug/g	-	-		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes (Total)	ug/g	0.05	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Surrogate: 4-Bromofluorobenzene	%	-	-		103.1	91.0	99.1	95.0	96.5	95.4	100.3	94.0	93.0
Surrogate: 1,4-Difluorobenzene	%	-	-		101.2	88.5	97.3	95.2	95.8	91.6	97.7	92.9	93.0

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Volatile Organic Compounds - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID
				L1915123-10	L1915123-11	L1915123-12
				18-APR-17	18-APR-17	18-APR-17
				SSDS 4	SSDS 5	SSDS 6
1,1,1,2-Tetrachloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050
1,1,2,2-Tetrachloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050
Tetrachloroethylene	ug/g	0.05	-	<0.050	<0.050	<0.050
Toluene	ug/g	0.2	-	<0.080	<0.080	<0.080
1,1,1-Trichloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050
1,1,2-Trichloroethane	ug/g	0.05	-	<0.050	<0.050	<0.050
Trichloroethylene	ug/g	0.05	-	<0.010	<0.010	<0.010
Trichlorofluoromethane	ug/g	0.25	-	<0.050	<0.050	<0.050
Vinyl chloride	ug/g	0.02	-	<0.020	<0.020	<0.020
o-Xylene	ug/g	-	-	<0.020	<0.020	<0.020
m+p-Xylenes	ug/g	-	-	<0.030	<0.030	<0.030
Xylenes (Total)	ug/g	0.05	-	<0.050	<0.050	<0.050
Surrogate: 4-Bromofluorobenzene	%	-	-	95.5	90.1	92.5
Surrogate: 1,4-Difluorobenzene	%	-	-	94.9	90.7	93.1

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - SOIL

				Lab ID	L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
				Sample Date	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
				Sample ID	SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
		Guide Limits											
Analyte	Unit	#1	#2										
F1 (C6-C10)	ug/g	25	-		<5.0	5.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
F1-BTEX	ug/g	25	-		<5.0	5.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
F2 (C10-C16)	ug/g	10	-		61	80	<10	<10	11	20	18	21	<10
F2-Naphth	ug/g	-	-		61	80	<10	<10	11	20	18	21	<10
F3 (C16-C34)	ug/g	240	-		630	1100	80	116	256	632	357	480	282
F3-PAH	ug/g	-	-		627	1080	79	113	235	627	316	467	282
F4 (C34-C50)	ug/g	120	-		317	556	125	68	128	326	153	234	199
F4G-SG (GHH-Silica)	ug/g	120	-		1250	2020			510	1240	580	750	730
Total Hydrocarbons (C6-C50)	ug/g	-	-		1010	1740	205	184	395	978	529	735	481
Chrom. to baseline at nC50		-	-		NO	NO	YES	YES	NO	NO	NO	NO	NO
Surrogate: 2-Bromobenzotrifluoride	%	-	-		86.8	84.2	86.6	83.9	86.9	85.7	86.1	94.1	85.0
Surrogate: 3,4-Dichlorotoluene	%	-	-		72.9	69.5	78.6	75.7	76.2	75.5	74.2	61.6	73.5

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Hydrocarbons - SOIL

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID
				L1915123-10	L1915123-11	L1915123-12
				18-APR-17	18-APR-17	18-APR-17
				SSDS 4	SSDS 5	SSDS 6
F1 (C6-C10)	ug/g	25	-	<5.0	<5.0	<5.0
F1-BTEX	ug/g	25	-	<5.0	<5.0	<5.0
F2 (C10-C16)	ug/g	10	-	<10	<10	<10
F2-Naphth	ug/g	-	-	<10	<10	<10
F3 (C16-C34)	ug/g	240	-	263	570	252
F3-PAH	ug/g	-	-	259	567	250
F4 (C34-C50)	ug/g	120	-	225	621	184
F4G-SG (GHH-Silica)	ug/g	120	-	890	2450	1020
Total Hydrocarbons (C6-C50)	ug/g	-	-	488	1190	436
Chrom. to baseline at nC50		-	-	NO	NO	NO
Surrogate: 2-Bromobenzotrifluoride	%	-	-	85.5	84.5	86.9
Surrogate: 3,4-Dichlorotoluene	%	-	-	77.6	69.0	66.5

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - SOIL

		Guide Limits									
Lab ID				L1915123-1	L1915123-2	L1915123-3	L1915123-4	L1915123-5	L1915123-6	L1915123-7	L1915123-8	L1915123-9
Sample Date				18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17	18-APR-17
Sample ID				SSUS 1	SSUS 2	SSUS 3	SSUS 4	SSUS 5	SSUS 6	SSDS 1	SSDS 2	SSDS 3
Analyte	Unit	#1	#2									
Acenaphthene	ug/g	0.072	-	0.054	0.337	<0.050	<0.050	0.369	0.081	0.999	0.233	<0.050
Acenaphthylene	ug/g	0.093	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Anthracene	ug/g	0.22	-	0.063	0.678	<0.050	0.086	0.322	0.199	2.27	0.535	<0.050
Benzo(a)anthracene	ug/g	0.36	-	0.222	1.70	<0.050	0.269	1.61	0.396	3.51	1.17	<0.050
Benzo(a)pyrene	ug/g	0.3	-	0.259	1.72	<0.050	0.278	1.72	0.441	2.95	1.01	0.064
Benzo(b)fluoranthene	ug/g	0.47	-	0.408	2.54	0.065	0.370	2.47	0.682	3.78	1.40	0.106
Benzo(g,h,i)perylene	ug/g	0.68	-	0.209	1.10	<0.050	0.182	1.23	0.324	1.63	0.576	0.061
Benzo(k)fluoranthene	ug/g	0.48	-	0.132	0.844	<0.050	0.128	0.873	0.245	1.47	0.483	<0.050
Chrysene	ug/g	2.8	-	0.325	2.25	<0.050	0.278	1.89	0.569	3.62	1.23	0.078
Dibenzo(ah)anthracene	ug/g	0.1	-	<0.050	0.282	<0.050	<0.050	0.282	0.073	0.473	0.166	<0.050
Fluoranthene	ug/g	0.69	-	0.751	5.08	0.144	0.701	5.08	1.34	9.78	3.20	0.135
Fluorene	ug/g	0.19	-	0.062	0.469	<0.050	0.066	0.358	0.129	1.51	0.342	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.23	-	0.206	1.16	<0.050	0.188	1.31	0.342	1.88	0.650	0.057
1+2-Methylnaphthalenes	ug/g	0.59	-	0.043	0.212	<0.042	<0.042	0.078	<0.042	0.551	0.094	<0.042
1-Methylnaphthalene	ug/g	0.59	-	0.043	0.150	<0.030	<0.030	0.038	<0.030	0.241	0.046	<0.030
2-Methylnaphthalene	ug/g	0.59	-	<0.030	0.062	<0.030	<0.030	0.040	<0.030	0.311	0.047	<0.030
Naphthalene	ug/g	0.09	-	<0.050	0.055	<0.050	<0.050	0.082	<0.050	0.622	0.081	<0.050
Phenanthrene	ug/g	0.69	-	0.450	3.48	0.088	0.479	3.14	0.864	10.1	2.83	<0.050
Pyrene	ug/g	1	-	0.587	4.06	0.109	0.552	3.93	1.07	7.30	2.44	0.118
Surrogate: 2-Fluorobiphenyl	%	-	-	100.8	102.2	96.6	97.9	99.8	101.2	101.6	101.0	98.8
Surrogate: p-Terphenyl d14	%	-	-	100.2	103.9	95.3	97.9	102.9	105.5	104.4	104.6	101.6

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Polycyclic Aromatic Hydrocarbons - SOIL

		Guide Limits				
Lab ID				L1915123-10	L1915123-11	L1915123-12
Sample Date				18-APR-17	18-APR-17	18-APR-17
Sample ID				SSDS 4	SSDS 5	SSDS 6
Analyte	**Unit**	**#1**	**#2**			
Acenaphthene	ug/g	0.072	-	0.054	<0.050	<0.050
Acenaphthylene	ug/g	0.093	-	<0.050	<0.050	<0.050
Anthracene	ug/g	0.22	-	0.103	<0.050	<0.050
Benzo(a)anthracene	ug/g	0.36	-	0.269	0.226	0.152
Benzo(a)pyrene	ug/g	0.3	-	0.315	0.318	0.186
Benzo(b)fluoranthene	ug/g	0.47	-	0.463	0.497	0.267
Benzo(g,h,i)perylene	ug/g	0.68	-	0.235	0.283	0.159
Benzo(k)fluoranthene	ug/g	0.48	-	0.172	0.168	0.093
Chrysene	ug/g	2.8	-	0.383	0.323	0.221
Dibenzo(ah)anthracene	ug/g	0.1	-	0.056	0.060	<0.050
Fluoranthene	ug/g	0.69	-	0.832	0.748	0.481
Fluorene	ug/g	0.19	-	0.071	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.23	-	0.237	0.272	0.153
1+2-Methylnaphthalenes	ug/g	0.59	-	<0.042	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.59	-	<0.030	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.59	-	<0.030	<0.030	<0.030
Naphthalene	ug/g	0.09	-	<0.050	<0.050	<0.050
Phenanthrene	ug/g	0.69	-	0.651	0.322	0.275
Pyrene	ug/g	1	-	0.672	0.606	0.384
Surrogate: 2-Fluorobiphenyl	%	-	-	99.7	97.3	98.6
Surrogate: p-Terphenyl d14	%	-	-	103.2	95.1	98.4

Guide Limit #1: T8-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLQ	Detection Limit raised due to co-eluting interference. GCMS qualifier ion ratio did not meet acceptance criteria.
SAR:M	Reported SAR represents a maximum value. Actual SAR may be lower if both Ca and Mg were detectable.

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Soil	Cyanide (WAD)-O.Reg 153/04 (July 2011)	MOE 3015/APHA 4500CN I-WAD

The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-WT	Soil	Conductivity (EC)	MOEE E3138

A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT Soil F1-O.Reg 153/04 (July 2011) E3398/CCME TIER 1-HS

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT Soil F2-F4-O.Reg 153/04 (July 2011) MOE DECPH-E3398/CCME TIER 1

Petroleum Hydrocarbons (F2-F4 fractions) are extracted from soil with 1:1 hexane:acetone using a rotary extractor. Extracts are treated with silica gel to remove polar organic interferences. F2, F3, & F4 are analyzed by GC-FID. F4G-sg is analyzed gravimetrically.

Notes:
1. F2 (C10-C16): Sum of all hydrocarbons that elute between nC10 and nC16.
2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.
3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.
4. F4G: Gravimetric Heavy Hydrocarbons
5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
6. Where both F4 (C34-C50) and F4G-sg are reported for a sample, the larger of the two values is used for comparison against the relevant CCME guideline for F4.
7. F4G-sg cannot be added to the C6 to C50 hydrocarbon results to obtain an estimate of total extractable hydrocarbons.
8. This method is validated for use.
9. Data from analysis of validation and quality control samples is available upon request.
10. Reported results are expressed as milligrams per dry kilogram, unless otherwise indicated.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F4G-ADD-511-WT Soil F4G SG-O.Reg 153/04 (July 2011) MOE DECPH-E3398/CCME TIER 1

F4G, gravimetric analysis, is determined if the chromatogram does not return to baseline at or before C50. A soil sample is extracted with a solvent mix, the solvent is evaporated and the weight of the residue is determined.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

HG-200.2-CVAA-WT Soil Mercury in Soil by CVAAS EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT Soil Metals in Soil by CRC ICPMS EPA 200.2/6020A (mod)

This method uses a heated strong acid digestion with HNO3 and HCl and is intended to liberate metals that may be environmentally available. Silicate minerals are not solubilized. Dependent on sample matrix, some metals may be only partially recovered, including Al, Ba, Be, Cr, Sr, Ti, Tl, V, W, and Zr. Volatile forms of sulfur (including sulfide) may not be captured, as they may be lost during sampling, storage, or digestion. Analysis is by Collision/Reaction Cell ICPMS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
METHYLNAPS-CALC-WT	Soil	ABN-Calculated Parameters	SW846 8270
MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
PAH-511-WT	Soil	PAH-O.Reg 153/04 (July 2011)	SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking techniqueis used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PH-WT	Soil	pH	MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT	Soil	SAR-O.Reg 153/04 (July 2011)	SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES. The concentrations of Na, Ca and Mg are reported as per CALA requirements for calculated parameters. These individual parameters are not for comparison to any guideline.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

VOC-1,3-DCP-CALC-WT	Soil	Regulation 153 VOCs	SW8260B/SW8270C
VOC-511-HS-WT	Soil	VOC-O.Reg 153/04 (July 2011)	SW846 8260 (511)

Soil and sediment samples are extracted in methanol and analyzed by headspace-GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC-WT	Soil	Sum of Xylene Isomer Concentrations	CALCULATION

Total xylenes represents the sum of o-xylene and m&p-xylene.

**ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody Numbers:

15-555631

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Reference Information

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.

Quality Control Report

Workorder: L1915123 Report Date: 27-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
B-HWS-R511-WT	**Soil**							
Batch R3705787								
WG2515569-4 DUP		**L1914194-2**						
Boron (B), Hot Water Ext.		0.23	0.23		ug/g	0.5	30	24-APR-17
WG2515569-2 IRM		**HOTB-SAL_SOIL5**						
Boron (B), Hot Water Ext.			97.9		%		70-130	24-APR-17
WG2515569-3 LCS								
Boron (B), Hot Water Ext.			118.2		%		70-130	24-APR-17
WG2515569-1 MB								
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	24-APR-17
Batch R3707537								
WG2516216-4 DUP		**L1914909-9**						
Boron (B), Hot Water Ext.		0.38	0.38		ug/g	0.1	30	25-APR-17
WG2516216-2 IRM		**HOTB-SAL_SOIL5**						
Boron (B), Hot Water Ext.			110.2		%		70-130	25-APR-17
WG2516216-3 LCS								
Boron (B), Hot Water Ext.			116.9		%		70-130	25-APR-17
WG2516216-1 MB								
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	25-APR-17
CN-WAD-R511-WT	**Soil**							
Batch R3707717								
WG2514573-3 DUP		**L1915123-1**						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	24-APR-17
WG2514573-2 LCS								
Cyanide, Weak Acid Diss			93.9		%		80-120	24-APR-17
WG2514573-1 MB								
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	24-APR-17
CR-CR6-IC-WT	**Soil**							
Batch R3704909								
WG2514461-3 CRM		**WT-SQC012**						
Chromium, Hexavalent			91.7		%		70-130	21-APR-17
WG2514461-4 DUP		**L1915276-2**						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	21-APR-17
WG2514461-2 LCS								
Chromium, Hexavalent			98.8		%		80-120	21-APR-17
WG2514461-1 MB								
Chromium, Hexavalent			<0.20		ug/g		0.2	21-APR-17
EC-WT	**Soil**							

Quality Control Report

Workorder: L1915123 Report Date: 27-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EC-WT	**Soil**							
Batch R3705623								
WG2515573-4 DUP		**WG2515573-3**						
Conductivity		0.221	0.231		mS/cm	4.4	20	24-APR-17
WG2515777-2 LCS								
Conductivity			98.9		%		90-110	24-APR-17
WG2515573-1 MB								
Conductivity			<0.0040		mS/cm		0.004	24-APR-17
F1-HS-511-WT	**Soil**							
Batch R3705607								
WG2514597-4 DUP		**WG2514597-3**						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	24-APR-17
WG2514597-2 LCS								
F1 (C6-C10)			90.1		%		80-120	24-APR-17
WG2514597-1 MB								
F1 (C6-C10)			<5.0		ug/g		5	24-APR-17
Surrogate: 3,4-Dichlorotoluene			85.1		%		60-140	24-APR-17
WG2514597-7 MS		**WG2514597-6**						
F1 (C6-C10)			80.2		%		60-140	24-APR-17
F2-F4-511-WT	**Soil**							
Batch R3708152								
WG2514568-3 CRM		**ALS PHC2 IRM**						
F2 (C10-C16)			88.6		%		70-130	25-APR-17
F3 (C16-C34)			94.0		%		70-130	25-APR-17
F4 (C34-C50)			94.3		%		70-130	25-APR-17
WG2514568-5 DUP		**WG2514568-4**						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	30	25-APR-17
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	30	25-APR-17
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	30	25-APR-17
WG2514568-2 LCS								
F2 (C10-C16)			107.4		%		80-120	25-APR-17
F3 (C16-C34)			102.6		%		80-120	25-APR-17
F4 (C34-C50)			96.5		%		80-120	25-APR-17
WG2514568-1 MB								
F2 (C10-C16)			<10		ug/g		10	25-APR-17
F3 (C16-C34)			<50		ug/g		50	25-APR-17
F4 (C34-C50)			<50		ug/g		50	25-APR-17
Surrogate: 2-Bromobenzotrifluoride			84.2		%		60-140	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F4G-ADD-511-WT	**Soil**							
Batch R3709242								
WG2518269-2 LCS								
F4G-SG (GHH-Silica)			82.0		%		60-140	24-APR-17
WG2518269-1 MB								
F4G-SG (GHH-Silica)			<250		ug/g		250	24-APR-17
HG-200.2-CVAA-WT	**Soil**							
Batch R3707747								
WG2516219-2 CRM		**WT-CANMET-TILL1**						
Mercury (Hg)			100.5		%		70-130	25-APR-17
WG2516219-6 DUP		**WG2516219-5**						
Mercury (Hg)		0.0284	0.0296		ug/g	4.1	40	25-APR-17
WG2516219-3 LCS								
Mercury (Hg)			98.5		%		80-120	25-APR-17
WG2516219-1 MB								
Mercury (Hg)			<0.0050		mg/kg		0.005	25-APR-17
Batch R3707839								
WG2516218-2 CRM		**WT-CANMET-TILL1**						
Mercury (Hg)			101.8		%		70-130	25-APR-17
WG2516218-6 DUP		**WG2516218-5**						
Mercury (Hg)		0.0294	0.0182	DUP-H,J	ug/g	0.0112	0.01	25-APR-17
WG2516218-3 LCS								
Mercury (Hg)			103.0		%		80-120	25-APR-17
WG2516218-1 MB								
Mercury (Hg)			<0.0050		mg/kg		0.005	25-APR-17
MET-200.2-CCMS-WT	**Soil**							
Batch R3707676								
WG2516218-2 CRM		**WT-CANMET-TILL1**						
Antimony (Sb)			90.1		%		70-130	25-APR-17
Arsenic (As)			104.9		%		70-130	25-APR-17
Barium (Ba)			102.3		%		70-130	25-APR-17
Beryllium (Be)			84.4		%		70-130	25-APR-17
Cadmium (Cd)			98.8		%		70-130	25-APR-17
Chromium (Cr)			99.5		%		70-130	25-APR-17
Cobalt (Co)			100.5		%		70-130	25-APR-17
Copper (Cu)			96.6		%		70-130	25-APR-17
Lead (Pb)			86.5		%		70-130	25-APR-17
Molybdenum (Mo)			86.0		%		70-130	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707676								
WG2516218-2 CRM		**WT-CANMET-TILL1**						
Nickel (Ni)			99.0		%		70-130	25-APR-17
Selenium (Se)			87.1		%		70-130	25-APR-17
Silver (Ag)			92.5		%		70-130	25-APR-17
Thallium (Tl)			79.7		%		70-130	25-APR-17
Uranium (U)			94.0		%		70-130	25-APR-17
Vanadium (V)			101.8		%		70-130	25-APR-17
Zinc (Zn)			91.5		%		70-130	25-APR-17
WG2516218-6 DUP		**WG2516218-5**						
Antimony (Sb)		2.28	2.46		ug/g	7.5	30	25-APR-17
Arsenic (As)		3.62	4.09		ug/g	12	30	25-APR-17
Barium (Ba)		116	120		ug/g	3.4	40	25-APR-17
Beryllium (Be)		0.22	0.27		ug/g	19	30	25-APR-17
Boron (B)		7.9	9.4		ug/g	18	30	25-APR-17
Cadmium (Cd)		0.407	0.371		ug/g	9.3	30	25-APR-17
Chromium (Cr)		65.2	65.1		ug/g	0.2	30	25-APR-17
Cobalt (Co)		5.97	5.83		ug/g	2.4	30	25-APR-17
Copper (Cu)		87.1	79.9		ug/g	8.7	30	25-APR-17
Lead (Pb)		25.0	27.4		ug/g	9.0	40	25-APR-17
Molybdenum (Mo)		38.7	7.21	DUP-H	ug/g	137	40	25-APR-17
Nickel (Ni)		23.0	17.8		ug/g	26	30	25-APR-17
Selenium (Se)		<0.20	<0.20	RPD-NA	ug/g	N/A	30	25-APR-17
Silver (Ag)		<0.10	<0.10	RPD-NA	ug/g	N/A	40	25-APR-17
Thallium (Tl)		0.058	0.055		ug/g	5.7	30	25-APR-17
Uranium (U)		3.97	0.424	DUP-H	ug/g	161	30	25-APR-17
Vanadium (V)		23.0	23.6		ug/g	2.6	30	25-APR-17
Zinc (Zn)		201	242		ug/g	18	30	25-APR-17
WG2516218-4 LCS								
Antimony (Sb)			97.4		%		80-120	25-APR-17
Arsenic (As)			96.7		%		80-120	25-APR-17
Barium (Ba)			99.7		%		80-120	25-APR-17
Beryllium (Be)			86.8		%		80-120	25-APR-17
Boron (B)			87.5		%		80-120	25-APR-17
Cadmium (Cd)			92.1		%		80-120	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707676								
WG2516218-4 LCS								
Chromium (Cr)			96.6		%		80-120	25-APR-17
Cobalt (Co)			97.8		%		80-120	25-APR-17
Copper (Cu)			94.4		%		80-120	25-APR-17
Lead (Pb)			93.8		%		80-120	25-APR-17
Molybdenum (Mo)			88.5		%		80-120	25-APR-17
Nickel (Ni)			95.8		%		80-120	25-APR-17
Selenium (Se)			93.6		%		80-120	25-APR-17
Silver (Ag)			88.7		%		80-120	25-APR-17
Thallium (Tl)			86.8		%		80-120	25-APR-17
Uranium (U)			89.7		%		80-120	25-APR-17
Vanadium (V)			98.7		%		80-120	25-APR-17
Zinc (Zn)			88.7		%		80-120	25-APR-17
WG2516218-1 MB								
Antimony (Sb)			<0.10		mg/kg		0.1	25-APR-17
Arsenic (As)			<0.10		mg/kg		0.1	25-APR-17
Barium (Ba)			<0.50		mg/kg		0.5	25-APR-17
Beryllium (Be)			<0.10		mg/kg		0.1	25-APR-17
Boron (B)			<5.0		mg/kg		5	25-APR-17
Cadmium (Cd)			<0.020		mg/kg		0.02	25-APR-17
Chromium (Cr)			<0.50		mg/kg		0.5	25-APR-17
Cobalt (Co)			<0.10		mg/kg		0.1	25-APR-17
Copper (Cu)			<0.50		mg/kg		0.5	25-APR-17
Lead (Pb)			<0.50		mg/kg		0.5	25-APR-17
Molybdenum (Mo)			<0.10		mg/kg		0.1	25-APR-17
Nickel (Ni)			<0.50		mg/kg		0.5	25-APR-17
Selenium (Se)			<0.20		mg/kg		0.2	25-APR-17
Silver (Ag)			<0.10		mg/kg		0.1	25-APR-17
Thallium (Tl)			<0.050		mg/kg		0.05	25-APR-17
Uranium (U)			<0.050		mg/kg		0.05	25-APR-17
Vanadium (V)			<0.20		mg/kg		0.2	25-APR-17
Zinc (Zn)			<2.0		mg/kg		2	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707786								
WG2516219-2 CRM		**WT-CANMET-TILL1**						
Antimony (Sb)			90.8		%		70-130	25-APR-17
Arsenic (As)			103.4		%		70-130	25-APR-17
Barium (Ba)			104.1		%		70-130	25-APR-17
Beryllium (Be)			84.3		%		70-130	25-APR-17
Cadmium (Cd)			99.8		%		70-130	25-APR-17
Chromium (Cr)			103.1		%		70-130	25-APR-17
Cobalt (Co)			100.8		%		70-130	25-APR-17
Copper (Cu)			97.5		%		70-130	25-APR-17
Lead (Pb)			83.9		%		70-130	25-APR-17
Molybdenum (Mo)			83.3		%		70-130	25-APR-17
Nickel (Ni)			100.1		%		70-130	25-APR-17
Selenium (Se)			92.3		%		70-130	25-APR-17
Silver (Ag)			93.1		%		70-130	25-APR-17
Thallium (Tl)			83.2		%		70-130	25-APR-17
Uranium (U)			93.6		%		70-130	25-APR-17
Vanadium (V)			103.5		%		70-130	25-APR-17
Zinc (Zn)			93.8		%		70-130	25-APR-17
WG2516219-6 DUP		**WG2516219-5**						
Antimony (Sb)		0.43	0.37		ug/g	17	30	25-APR-17
Arsenic (As)		2.42	2.39		ug/g	1.1	30	25-APR-17
Barium (Ba)		62.3	60.3		ug/g	3.3	40	25-APR-17
Beryllium (Be)		0.37	0.37		ug/g	2.4	30	25-APR-17
Boron (B)		7.9	6.7		ug/g	16	30	25-APR-17
Cadmium (Cd)		0.137	0.138		ug/g	0.8	30	25-APR-17
Chromium (Cr)		17.9	17.1		ug/g	4.3	30	25-APR-17
Cobalt (Co)		5.62	5.61		ug/g	0.2	30	25-APR-17
Copper (Cu)		13.0	12.8		ug/g	1.6	30	25-APR-17
Lead (Pb)		17.0	15.3		ug/g	11	40	25-APR-17
Molybdenum (Mo)		0.34	0.30		ug/g	13	40	25-APR-17
Nickel (Ni)		11.7	11.3		ug/g	4.0	30	25-APR-17
Selenium (Se)		<0.20	<0.20	RPD-NA	ug/g	N/A	30	25-APR-17
Silver (Ag)		<0.10	<0.10	RPD-NA	ug/g	N/A	40	25-APR-17
Thallium (Tl)		0.085	0.084		ug/g	1.0	30	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707786								
WG2516219-6 DUP		**WG2516219-5**						
Uranium (U)		0.468	0.477		ug/g	1.9	30	25-APR-17
Vanadium (V)		30.0	28.5		ug/g	5.2	30	25-APR-17
Zinc (Zn)		45.6	42.8		ug/g	6.4	30	25-APR-17
WG2516219-4 LCS								
Antimony (Sb)			99.1		%		80-120	25-APR-17
Arsenic (As)			95.9		%		80-120	25-APR-17
Barium (Ba)			98.3		%		80-120	25-APR-17
Beryllium (Be)			86.8		%		80-120	25-APR-17
Boron (B)			87.5		%		80-120	25-APR-17
Cadmium (Cd)			101.7		%		80-120	25-APR-17
Chromium (Cr)			97.1		%		80-120	25-APR-17
Cobalt (Co)			97.2		%		80-120	25-APR-17
Copper (Cu)			94.3		%		80-120	25-APR-17
Lead (Pb)			92.7		%		80-120	25-APR-17
Molybdenum (Mo)			89.3		%		80-120	25-APR-17
Nickel (Ni)			95.9		%		80-120	25-APR-17
Selenium (Se)			92.9		%		80-120	25-APR-17
Silver (Ag)			91.7		%		80-120	25-APR-17
Thallium (Tl)			92.5		%		80-120	25-APR-17
Uranium (U)			91.8		%		80-120	25-APR-17
Vanadium (V)			98.9		%		80-120	25-APR-17
Zinc (Zn)			88.3		%		80-120	25-APR-17
WG2516219-1 MB								
Antimony (Sb)			<0.10		mg/kg		0.1	25-APR-17
Arsenic (As)			<0.10		mg/kg		0.1	25-APR-17
Barium (Ba)			<0.50		mg/kg		0.5	25-APR-17
Beryllium (Be)			<0.10		mg/kg		0.1	25-APR-17
Boron (B)			<5.0		mg/kg		5	25-APR-17
Cadmium (Cd)			<0.020		mg/kg		0.02	25-APR-17
Chromium (Cr)			<0.50		mg/kg		0.5	25-APR-17
Cobalt (Co)			<0.10		mg/kg		0.1	25-APR-17
Copper (Cu)			<0.50		mg/kg		0.5	25-APR-17
Lead (Pb)			<0.50		mg/kg		0.5	25-APR-17
Molybdenum (Mo)			<0.10		mg/kg		0.1	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT	**Soil**							
Batch R3707786								
WG2516219-1 MB								
Nickel (Ni)			<0.50		mg/kg		0.5	25-APR-17
Selenium (Se)			<0.20		mg/kg		0.2	25-APR-17
Silver (Ag)			<0.10		mg/kg		0.1	25-APR-17
Thallium (Tl)			<0.050		mg/kg		0.05	25-APR-17
Uranium (U)			<0.050		mg/kg		0.05	25-APR-17
Vanadium (V)			<0.20		mg/kg		0.2	25-APR-17
Zinc (Zn)			<2.0		mg/kg		2	25-APR-17
MOISTURE-WT	**Soil**							
Batch R3703783								
WG2514484-3 DUP		**L1915427-1**						
% Moisture		5.96	6.24		%	4.5	20	21-APR-17
WG2514484-2 LCS								
% Moisture			100.1		%		90-110	21-APR-17
WG2514484-1 MB								
% Moisture			<0.10		%		0.1	21-APR-17
PAH-511-WT	**Soil**							
Batch R3707344								
WG2514823-4 DUP		**WG2514823-3**						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	25-APR-17
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	25-APR-17
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(a)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(b)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(g,h,i)perylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Chrysene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3707344								
WG2514823-4 DUP		**WG2514823-3**						
Phenanthrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
WG2514823-2 LCS								
1-Methylnaphthalene			86.8		%		50-140	25-APR-17
2-Methylnaphthalene			86.5		%		50-140	25-APR-17
Acenaphthene			88.4		%		50-140	25-APR-17
Acenaphthylene			87.3		%		50-140	25-APR-17
Anthracene			83.2		%		50-140	25-APR-17
Benzo(a)anthracene			88.3		%		50-140	25-APR-17
Benzo(a)pyrene			87.8		%		50-140	25-APR-17
Benzo(b)fluoranthene			89.0		%		50-140	25-APR-17
Benzo(g,h,i)perylene			89.0		%		50-140	25-APR-17
Benzo(k)fluoranthene			86.2		%		50-140	25-APR-17
Chrysene			101.4		%		50-140	25-APR-17
Dibenzo(ah)anthracene			93.3		%		50-140	25-APR-17
Fluoranthene			81.3		%		50-140	25-APR-17
Fluorene			86.6		%		50-140	25-APR-17
Indeno(1,2,3-cd)pyrene			90.6		%		50-140	25-APR-17
Naphthalene			88.3		%		50-140	25-APR-17
Phenanthrene			85.7		%		50-140	25-APR-17
Pyrene			83.8		%		50-140	25-APR-17
WG2514823-1 MB								
1-Methylnaphthalene			<0.030		ug/g		0.03	25-APR-17
2-Methylnaphthalene			<0.030		ug/g		0.03	25-APR-17
Acenaphthene			<0.050		ug/g		0.05	25-APR-17
Acenaphthylene			<0.050		ug/g		0.05	25-APR-17
Anthracene			<0.050		ug/g		0.05	25-APR-17
Benzo(a)anthracene			<0.050		ug/g		0.05	25-APR-17
Benzo(a)pyrene			<0.050		ug/g		0.05	25-APR-17
Benzo(b)fluoranthene			<0.050		ug/g		0.05	25-APR-17
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	25-APR-17
Benzo(k)fluoranthene			<0.050		ug/g		0.05	25-APR-17
Chrysene			<0.050		ug/g		0.05	25-APR-17
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3707344								
WG2514823-1 MB								
Fluoranthene			<0.050		ug/g		0.05	25-APR-17
Fluorene			<0.050		ug/g		0.05	25-APR-17
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	25-APR-17
Naphthalene			<0.050		ug/g		0.05	25-APR-17
Phenanthrene			<0.050		ug/g		0.05	25-APR-17
Pyrene			<0.050		ug/g		0.05	25-APR-17
Surrogate: 2-Fluorobiphenyl			100.7		%		50-140	25-APR-17
Surrogate: p-Terphenyl d14			96.3		%		50-140	25-APR-17
WG2514823-5 MS		**WG2514823-3**						
1-Methylnaphthalene			88.1		%		50-140	25-APR-17
2-Methylnaphthalene			87.0		%		50-140	25-APR-17
Acenaphthene			89.6		%		50-140	25-APR-17
Acenaphthylene			86.7		%		50-140	25-APR-17
Anthracene			85.0		%		50-140	25-APR-17
Benzo(a)anthracene			90.2		%		50-140	25-APR-17
Benzo(a)pyrene			88.2		%		50-140	25-APR-17
Benzo(b)fluoranthene			88.7		%		50-140	25-APR-17
Benzo(g,h,i)perylene			85.0		%		50-140	25-APR-17
Benzo(k)fluoranthene			89.7		%		50-140	25-APR-17
Chrysene			105.4		%		50-140	25-APR-17
Dibenzo(ah)anthracene			90.6		%		50-140	25-APR-17
Fluoranthene			86.3		%		50-140	25-APR-17
Fluorene			87.4		%		50-140	25-APR-17
Indeno(1,2,3-cd)pyrene			87.0		%		50-140	25-APR-17
Naphthalene			87.4		%		50-140	25-APR-17
Phenanthrene			88.6		%		50-140	25-APR-17
Pyrene			87.1		%		50-140	25-APR-17
Batch R3707841								
WG2514315-4 DUP		**WG2514315-3**						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	25-APR-17
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	25-APR-17
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3707841								
WG2514315-4 DUP		**WG2514315-3**						
Benzo(a)anthracene		0.079	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(a)pyrene		0.074	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(b)fluoranthene		0.102	0.065	J	ug/g	0.037	0.1	25-APR-17
Benzo(g,h,i)perylene		0.053	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Chrysene		0.078	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Fluoranthene		0.167	0.078	J	ug/g	0.089	0.1	25-APR-17
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Indeno(1,2,3-cd)pyrene		0.051	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	25-APR-17
Phenanthrene		0.134	0.052	J	ug/g	0.082	0.1	25-APR-17
Pyrene		0.141	0.070	J	ug/g	0.071	0.1	25-APR-17
WG2514315-2 LCS								
1-Methylnaphthalene			89.6		%		50-140	25-APR-17
2-Methylnaphthalene			88.0		%		50-140	25-APR-17
Acenaphthene			90.1		%		50-140	25-APR-17
Acenaphthylene			86.7		%		50-140	25-APR-17
Anthracene			85.7		%		50-140	25-APR-17
Benzo(a)anthracene			88.5		%		50-140	25-APR-17
Benzo(a)pyrene			90.2		%		50-140	25-APR-17
Benzo(b)fluoranthene			90.1		%		50-140	25-APR-17
Benzo(g,h,i)perylene			89.6		%		50-140	25-APR-17
Benzo(k)fluoranthene			91.1		%		50-140	25-APR-17
Chrysene			105.6		%		50-140	25-APR-17
Dibenzo(ah)anthracene			92.6		%		50-140	25-APR-17
Fluoranthene			82.5		%		50-140	25-APR-17
Fluorene			86.8		%		50-140	25-APR-17
Indeno(1,2,3-cd)pyrene			87.7		%		50-140	25-APR-17
Naphthalene			90.6		%		50-140	25-APR-17
Phenanthrene			89.5		%		50-140	25-APR-17
Pyrene			85.7		%		50-140	25-APR-17
WG2514315-1 MB								
							0.03	

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3707841								
WG2514315-1 MB								
1-Methylnaphthalene			<0.030		ug/g		0.03	25-APR-17
2-Methylnaphthalene			<0.030		ug/g		0.03	25-APR-17
Acenaphthene			<0.050		ug/g		0.05	25-APR-17
Acenaphthylene			<0.050		ug/g		0.05	25-APR-17
Anthracene			<0.050		ug/g		0.05	25-APR-17
Benzo(a)anthracene			<0.050		ug/g		0.05	25-APR-17
Benzo(a)pyrene			<0.050		ug/g		0.05	25-APR-17
Benzo(b)fluoranthene			<0.050		ug/g		0.05	25-APR-17
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	25-APR-17
Benzo(k)fluoranthene			<0.050		ug/g		0.05	25-APR-17
Chrysene			<0.050		ug/g		0.05	25-APR-17
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	25-APR-17
Fluoranthene			<0.050		ug/g		0.05	25-APR-17
Fluorene			<0.050		ug/g		0.05	25-APR-17
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	25-APR-17
Naphthalene			<0.050		ug/g		0.05	25-APR-17
Phenanthrene			<0.050		ug/g		0.05	25-APR-17
Pyrene			<0.050		ug/g		0.05	25-APR-17
Surrogate: 2-Fluorobiphenyl			98.1		%		50-140	25-APR-17
Surrogate: p-Terphenyl d14			92.5		%		50-140	25-APR-17
WG2514315-5 MS		**WG2514315-3**						
1-Methylnaphthalene			90.3		%		50-140	25-APR-17
2-Methylnaphthalene			89.2		%		50-140	25-APR-17
Acenaphthene			90.8		%		50-140	25-APR-17
Acenaphthylene			88.6		%		50-140	25-APR-17
Anthracene			81.1		%		50-140	25-APR-17
Benzo(a)anthracene			90.3		%		50-140	25-APR-17
Benzo(a)pyrene			89.6		%		50-140	25-APR-17
Benzo(b)fluoranthene			85.2		%		50-140	25-APR-17
Benzo(g,h,i)perylene			86.6		%		50-140	25-APR-17
Benzo(k)fluoranthene			92.7		%		50-140	25-APR-17
Chrysene			104.8		%		50-140	25-APR-17
Dibenzo(ah)anthracene			90.8		%		50-140	25-APR-17
Fluoranthene			76.8		%		50-140	25-APR-17

Quality Control Report

Workorder: L1915123 Report Date: 27-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Soil**							
Batch R3707841								
WG2514315-5 MS		**WG2514315-3**						
Fluorene			89.0		%		50-140	25-APR-17
Indeno(1,2,3-cd)pyrene			85.4		%		50-140	25-APR-17
Naphthalene			90.6		%		50-140	25-APR-17
Phenanthrene			77.8		%		50-140	25-APR-17
Pyrene			82.9		%		50-140	25-APR-17
PH-WT	**Soil**							
Batch R3705627								
WG2514450-1 DUP		**L1915386-1**						
pH		7.71	7.62	J	pH units	0.09	0.3	24-APR-17
WG2515779-1 LCS								
pH			6.96		pH units		6.7-7.3	24-APR-17
SAR-R511-WT	**Soil**							
Batch R3705983								
WG2515573-4 DUP		**WG2515573-3**						
Calcium (Ca)		11.5	10.8		mg/L	6.0	30	24-APR-17
Sodium (Na)		12.3	11.7		mg/L	5.8	30	24-APR-17
Magnesium (Mg)		<1.0	<1.0	RPD-NA	mg/L	N/A	30	24-APR-17
WG2515573-2 IRM		**WT SAR1**						
Calcium (Ca)			97.1		%		70-130	24-APR-17
Sodium (Na)			94.1		%		70-130	24-APR-17
Magnesium (Mg)			96.0		%		70-130	24-APR-17
WG2515573-1 MB								
Calcium (Ca)			<1.0		mg/L		1	24-APR-17
Sodium (Na)			<1.0		mg/L		1	24-APR-17
Magnesium (Mg)			<1.0		mg/L		1	24-APR-17
VOC-511-HS-WT	**Soil**							
Batch R3705607								
WG2514597-4 DUP		**WG2514597-3**						
1,1,1,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,1,2,2-Tetrachloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,1,1-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,1,2-Trichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,1-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,1-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3705607								
WG2514597-4 DUP		**WG2514597-3**						
1,2-Dibromoethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,2-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,2-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,2-Dichloropropane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,3-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
1,4-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Acetone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	24-APR-17
Benzene		0.0084	0.0076		ug/g	9.8	40	24-APR-17
Bromodichloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Bromoform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Bromomethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Carbon tetrachloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Chlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Chloroform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
cis-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-APR-17
Dibromochloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Dichlorodifluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	24-APR-17
n-Hexane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Methylene Chloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
MTBE		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
m+p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-APR-17
Methyl Ethyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	24-APR-17
Methyl Isobutyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	24-APR-17
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	24-APR-17
Styrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Tetrachloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	24-APR-17
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
trans-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	24-APR-17
Trichloroethylene		<0.010	<0.010	RPD-NA	ug/g	N/A	40	24-APR-17
Trichlorofluoromethane		<0.050	<0.050		ug/g			24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3705607								
WG2514597-4 DUP		**WG2514597-3**						
Trichlorofluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	24-APR-17
Vinyl chloride		<0.020	<0.020	RPD-NA	ug/g	N/A	40	24-APR-17
WG2514597-2 LCS								
1,1,1,2-Tetrachloroethane			96.2		%		60-130	24-APR-17
1,1,2,2-Tetrachloroethane			94.1		%		60-130	24-APR-17
1,1,1-Trichloroethane			96.1		%		60-130	24-APR-17
1,1,2-Trichloroethane			99.6		%		60-130	24-APR-17
1,1-Dichloroethane			94.8		%		60-130	24-APR-17
1,1-Dichloroethylene			81.7		%		60-130	24-APR-17
1,2-Dibromoethane			100.9		%		70-130	24-APR-17
1,2-Dichlorobenzene			101.8		%		70-130	24-APR-17
1,2-Dichloroethane			101.3		%		60-130	24-APR-17
1,2-Dichloropropane			98.2		%		70-130	24-APR-17
1,3-Dichlorobenzene			99.9		%		70-130	24-APR-17
1,4-Dichlorobenzene			101.9		%		70-130	24-APR-17
Acetone			108.7		%		60-140	24-APR-17
Benzene			98.8		%		70-130	24-APR-17
Bromodichloromethane			96.6		%		50-140	24-APR-17
Bromoform			95.2		%		70-130	24-APR-17
Bromomethane			93.7		%		50-140	24-APR-17
Carbon tetrachloride			92.2		%		70-130	24-APR-17
Chlorobenzene			99.1		%		70-130	24-APR-17
Chloroform			98.1		%		70-130	24-APR-17
cis-1,2-Dichloroethylene			95.6		%		70-130	24-APR-17
cis-1,3-Dichloropropene			102.5		%		70-130	24-APR-17
Dibromochloromethane			102.8		%		60-130	24-APR-17
Dichlorodifluoromethane			52.7		%		50-140	24-APR-17
Ethylbenzene			97.7		%		70-130	24-APR-17
n-Hexane			93.8		%		70-130	24-APR-17
Methylene Chloride			97.6		%		70-130	24-APR-17
MTBE			95.2		%		70-130	24-APR-17
m+p-Xylenes			98.8		%		70-130	24-APR-17
Methyl Ethyl Ketone			106.3		%		60-140	24-APR-17
Methyl Isobutyl Ketone			96.0		%		60-140	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3705607								
WG2514597-2 LCS								
o-Xylene			97.0		%		70-130	24-APR-17
Styrene			94.9		%		70-130	24-APR-17
Tetrachloroethylene			97.0		%		60-130	24-APR-17
Toluene			98.4		%		70-130	24-APR-17
trans-1,2-Dichloroethylene			93.9		%		60-130	24-APR-17
trans-1,3-Dichloropropene			99.7		%		70-130	24-APR-17
Trichloroethylene			95.8		%		60-130	24-APR-17
Trichlorofluoromethane			90.9		%		50-140	24-APR-17
Vinyl chloride			77.6		%		60-140	24-APR-17
WG2514597-1 MB								
1,1,1,2-Tetrachloroethane			<0.050		ug/g		0.05	24-APR-17
1,1,2,2-Tetrachloroethane			<0.050		ug/g		0.05	24-APR-17
1,1,1-Trichloroethane			<0.050		ug/g		0.05	24-APR-17
1,1,2-Trichloroethane			<0.050		ug/g		0.05	24-APR-17
1,1-Dichloroethane			<0.050		ug/g		0.05	24-APR-17
1,1-Dichloroethylene			<0.050		ug/g		0.05	24-APR-17
1,2-Dibromoethane			<0.050		ug/g		0.05	24-APR-17
1,2-Dichlorobenzene			<0.050		ug/g		0.05	24-APR-17
1,2-Dichloroethane			<0.050		ug/g		0.05	24-APR-17
1,2-Dichloropropane			<0.050		ug/g		0.05	24-APR-17
1,3-Dichlorobenzene			<0.050		ug/g		0.05	24-APR-17
1,4-Dichlorobenzene			<0.050		ug/g		0.05	24-APR-17
Acetone			<0.50		ug/g		0.5	24-APR-17
Benzene			<0.0068		ug/g		0.0068	24-APR-17
Bromodichloromethane			<0.050		ug/g		0.05	24-APR-17
Bromoform			<0.050		ug/g		0.05	24-APR-17
Bromomethane			<0.050		ug/g		0.05	24-APR-17
Carbon tetrachloride			<0.050		ug/g		0.05	24-APR-17
Chlorobenzene			<0.050		ug/g		0.05	24-APR-17
Chloroform			<0.050		ug/g		0.05	24-APR-17
cis-1,2-Dichloroethylene			<0.050		ug/g		0.05	24-APR-17
cis-1,3-Dichloropropene			<0.030		ug/g		0.03	24-APR-17
Dibromochloromethane			<0.050		ug/g		0.05	24-APR-17
Dichlorodifluoromethane			<0.050		ug/g		0.05	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3705607								
WG2514597-1 MB								
Ethylbenzene			<0.018		ug/g		0.018	24-APR-17
n-Hexane			<0.050		ug/g		0.05	24-APR-17
Methylene Chloride			<0.050		ug/g		0.05	24-APR-17
MTBE			<0.050		ug/g		0.05	24-APR-17
m+p-Xylenes			<0.030		ug/g		0.03	24-APR-17
Methyl Ethyl Ketone			<0.50		ug/g		0.5	24-APR-17
Methyl Isobutyl Ketone			<0.50		ug/g		0.5	24-APR-17
o-Xylene			<0.020		ug/g		0.02	24-APR-17
Styrene			<0.050		ug/g		0.05	24-APR-17
Tetrachloroethylene			<0.050		ug/g		0.05	24-APR-17
Toluene			<0.080		ug/g		0.08	24-APR-17
trans-1,2-Dichloroethylene			<0.050		ug/g		0.05	24-APR-17
trans-1,3-Dichloropropene			<0.030		ug/g		0.03	24-APR-17
Trichloroethylene			<0.010		ug/g		0.01	24-APR-17
Trichlorofluoromethane			<0.050		ug/g		0.05	24-APR-17
Vinyl chloride			<0.020		ug/g		0.02	24-APR-17
Surrogate: 1,4-Difluorobenzene			103.1		%		50-140	24-APR-17
Surrogate: 4-Bromofluorobenzene			104.0		%		50-140	24-APR-17
WG2514597-5 MS		**WG2514597-3**						
1,1,1,2-Tetrachloroethane			98.0		%		50-140	24-APR-17
1,1,2,2-Tetrachloroethane			94.9		%		50-140	24-APR-17
1,1,1-Trichloroethane			97.8		%		50-140	24-APR-17
1,1,2-Trichloroethane			100.5		%		50-140	24-APR-17
1,1-Dichloroethane			100.7		%		50-140	24-APR-17
1,1-Dichloroethylene			84.2		%		50-140	24-APR-17
1,2-Dibromoethane			101.7		%		50-140	24-APR-17
1,2-Dichlorobenzene			99.3		%		50-140	24-APR-17
1,2-Dichloroethane			101.9		%		50-140	24-APR-17
1,2-Dichloropropane			99.3		%		50-140	24-APR-17
1,3-Dichlorobenzene			97.3		%		50-140	24-APR-17
1,4-Dichlorobenzene			99.3		%		50-140	24-APR-17
Acetone			111.3		%		50-140	24-APR-17
Benzene			100.3		%		50-140	24-APR-17
Bromodichloromethane			95.5		%		50-140	24-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Soil**							
Batch R3705607								
WG2514597-5 MS		**WG2514597-3**						
Bromoform			95.4		%		50-140	24-APR-17
Bromomethane			95.8		%		50-140	24-APR-17
Carbon tetrachloride			93.5		%		50-140	24-APR-17
Chlorobenzene			101.4		%		50-140	24-APR-17
Chloroform			99.2		%		50-140	24-APR-17
cis-1,2-Dichloroethylene			97.3		%		50-140	24-APR-17
cis-1,3-Dichloropropene			100.9		%		50-140	24-APR-17
Dibromochloromethane			103.3		%		50-140	24-APR-17
Dichlorodifluoromethane			56.8		%		50-140	24-APR-17
Ethylbenzene			98.1		%		50-140	24-APR-17
n-Hexane			97.2		%		50-140	24-APR-17
Methylene Chloride			98.4		%		50-140	24-APR-17
MTBE			97.8		%		50-140	24-APR-17
m+p-Xylenes			101.2		%		50-140	24-APR-17
Methyl Ethyl Ketone			107.0		%		50-140	24-APR-17
Methyl Isobutyl Ketone			95.9		%		50-140	24-APR-17
o-Xylene			99.2		%		50-140	24-APR-17
Styrene			95.5		%		50-140	24-APR-17
Tetrachloroethylene			99.7		%		50-140	24-APR-17
Toluene			101.5		%		50-140	24-APR-17
trans-1,2-Dichloroethylene			96.0		%		50-140	24-APR-17
trans-1,3-Dichloropropene			98.3		%		50-140	24-APR-17
Trichloroethylene			97.3		%		50-140	24-APR-17
Trichlorofluoromethane			94.1		%		50-140	24-APR-17
Vinyl chloride			80.8		%		50-140	24-APR-17

Quality Control Report

Workorder: L1915123 Report Date: 27-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.
DUP-H,J	Duplicate results outside ALS DQO, due to sample heterogeneity. Duplicate results and limits are expressed in terms of absolute difference.
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

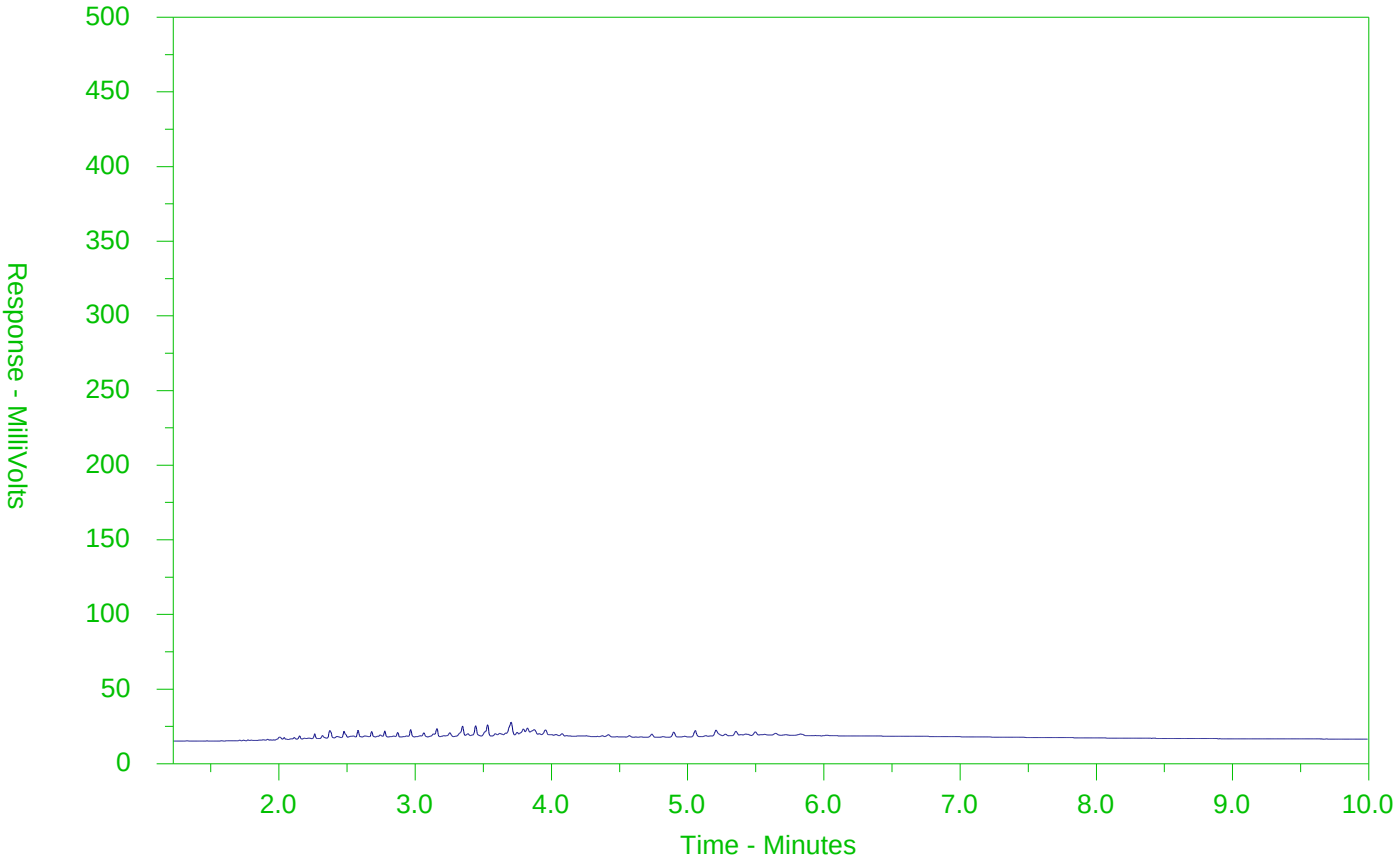
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-1
Client Sample ID: SSUS 1



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

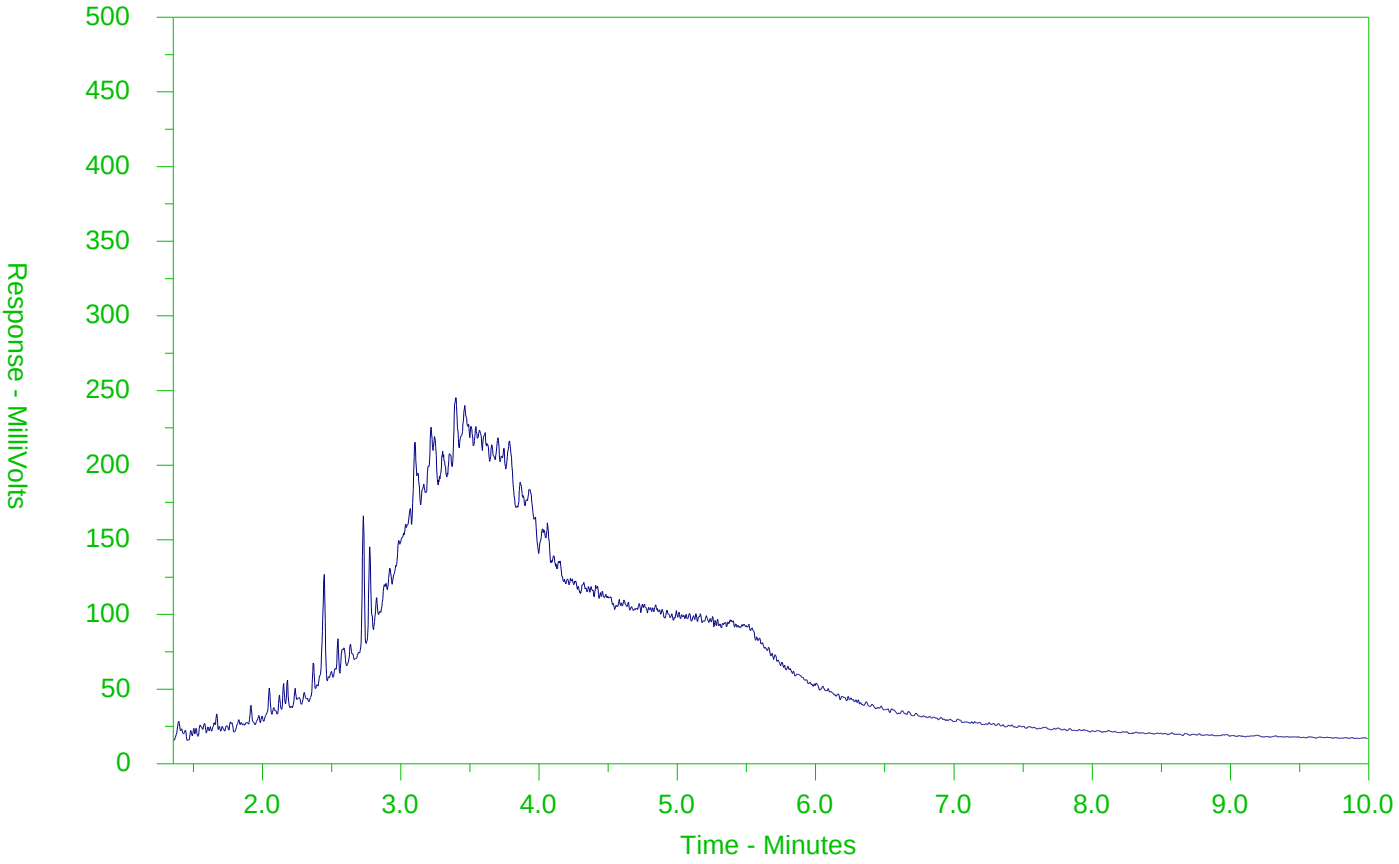
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-2
Client Sample ID: SSUS 2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

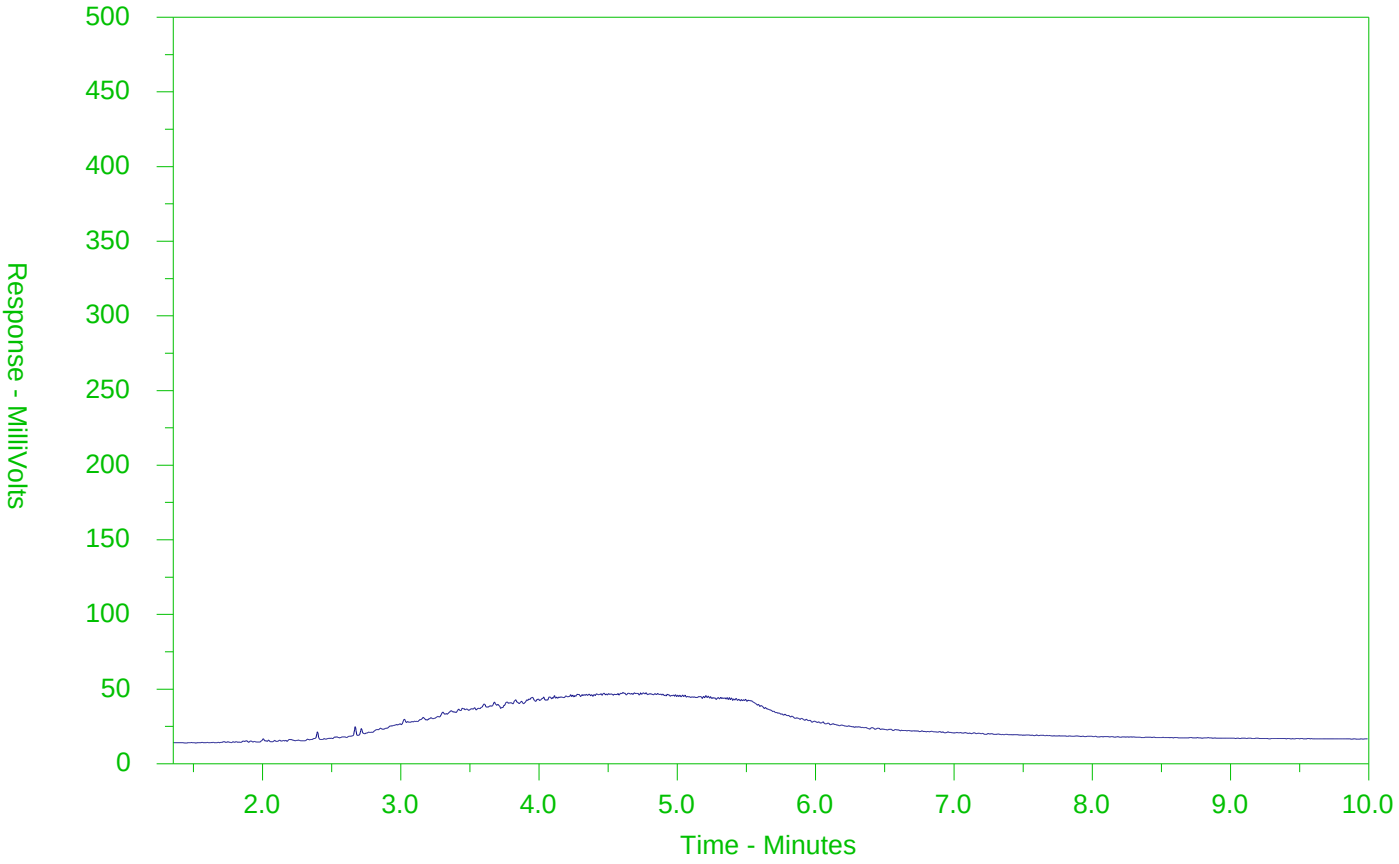
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-3
Client Sample ID: SSUS 3



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

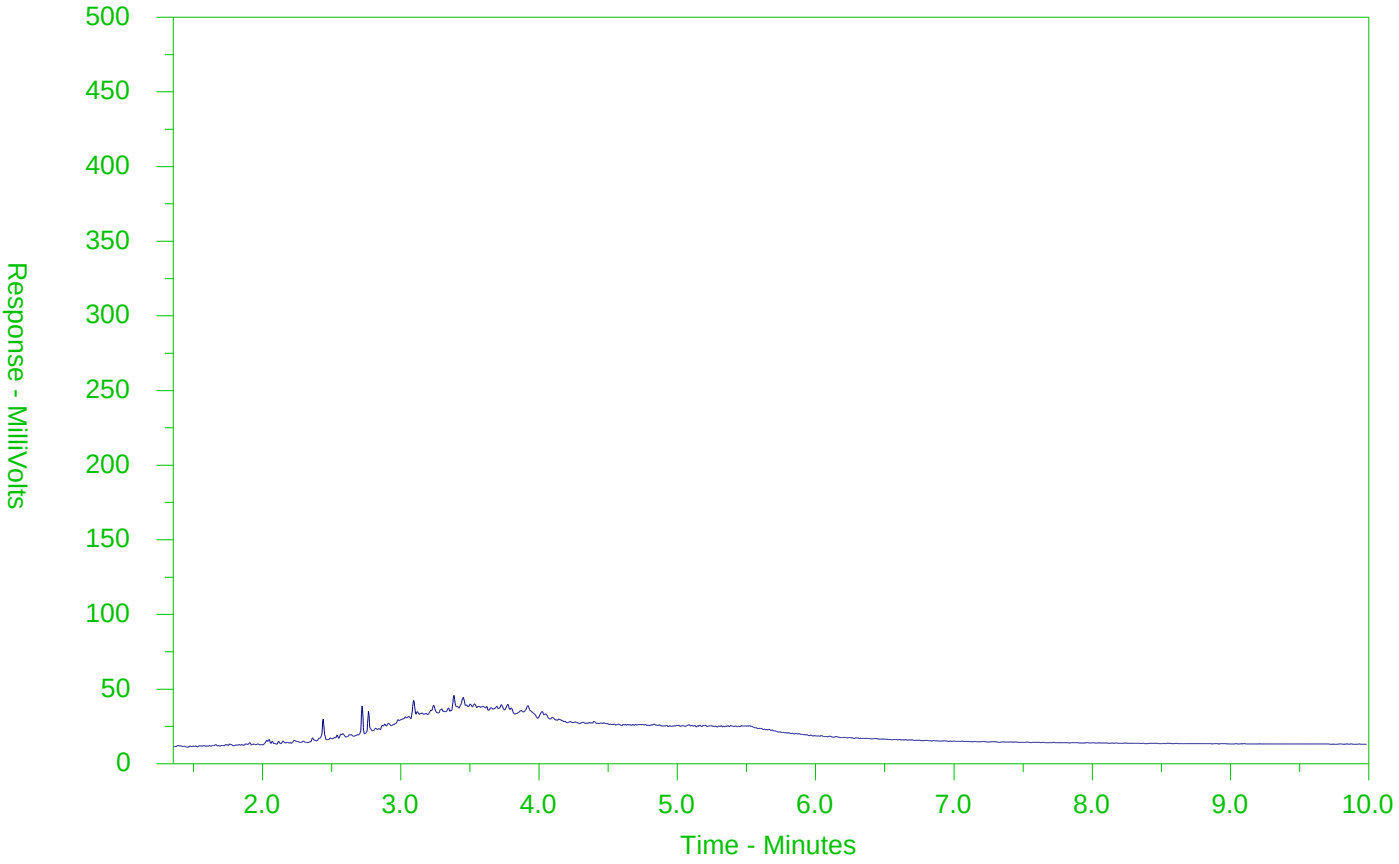
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-4
Client Sample ID: SSUS 4



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

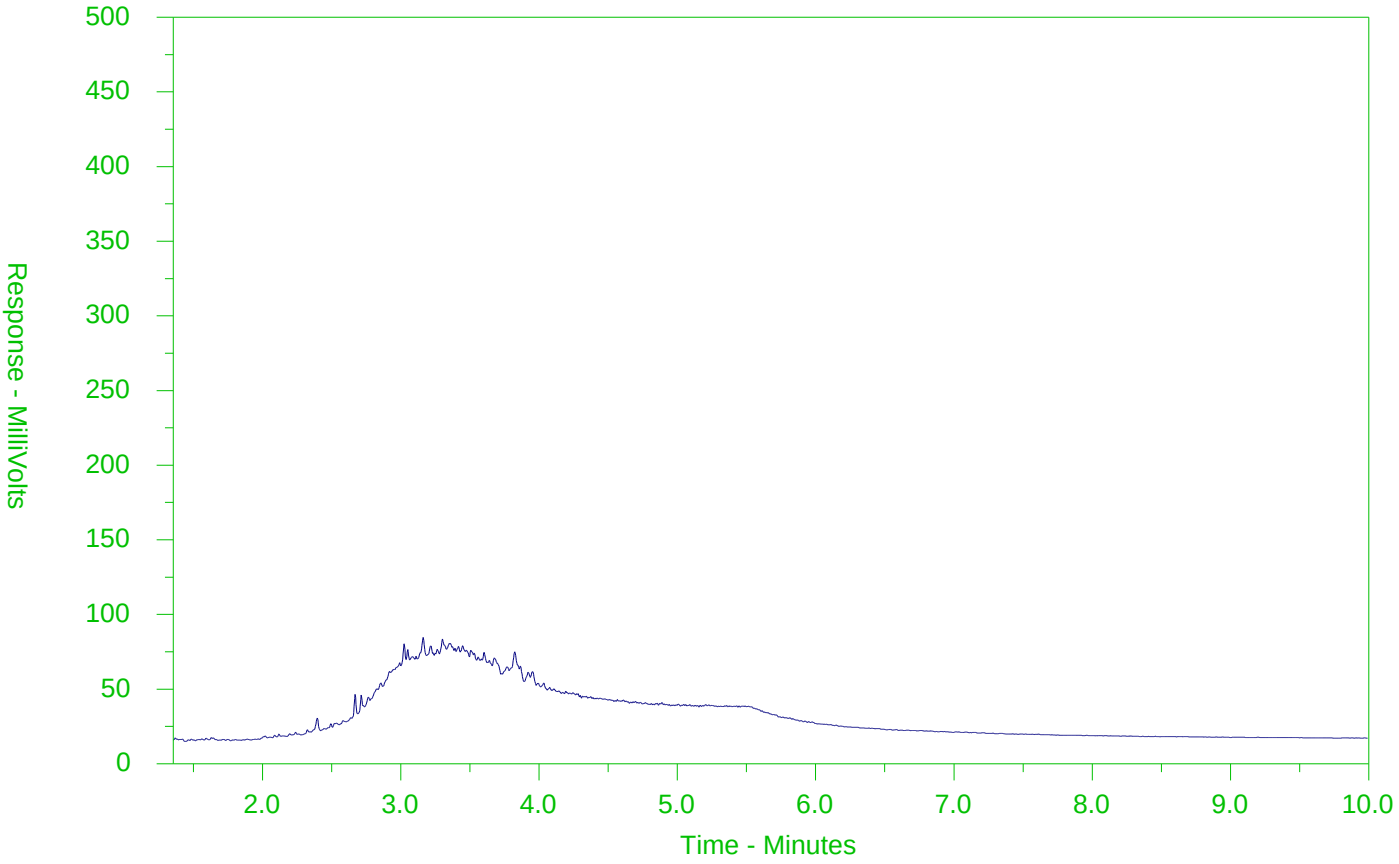
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-5
Client Sample ID: SSUS 5



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

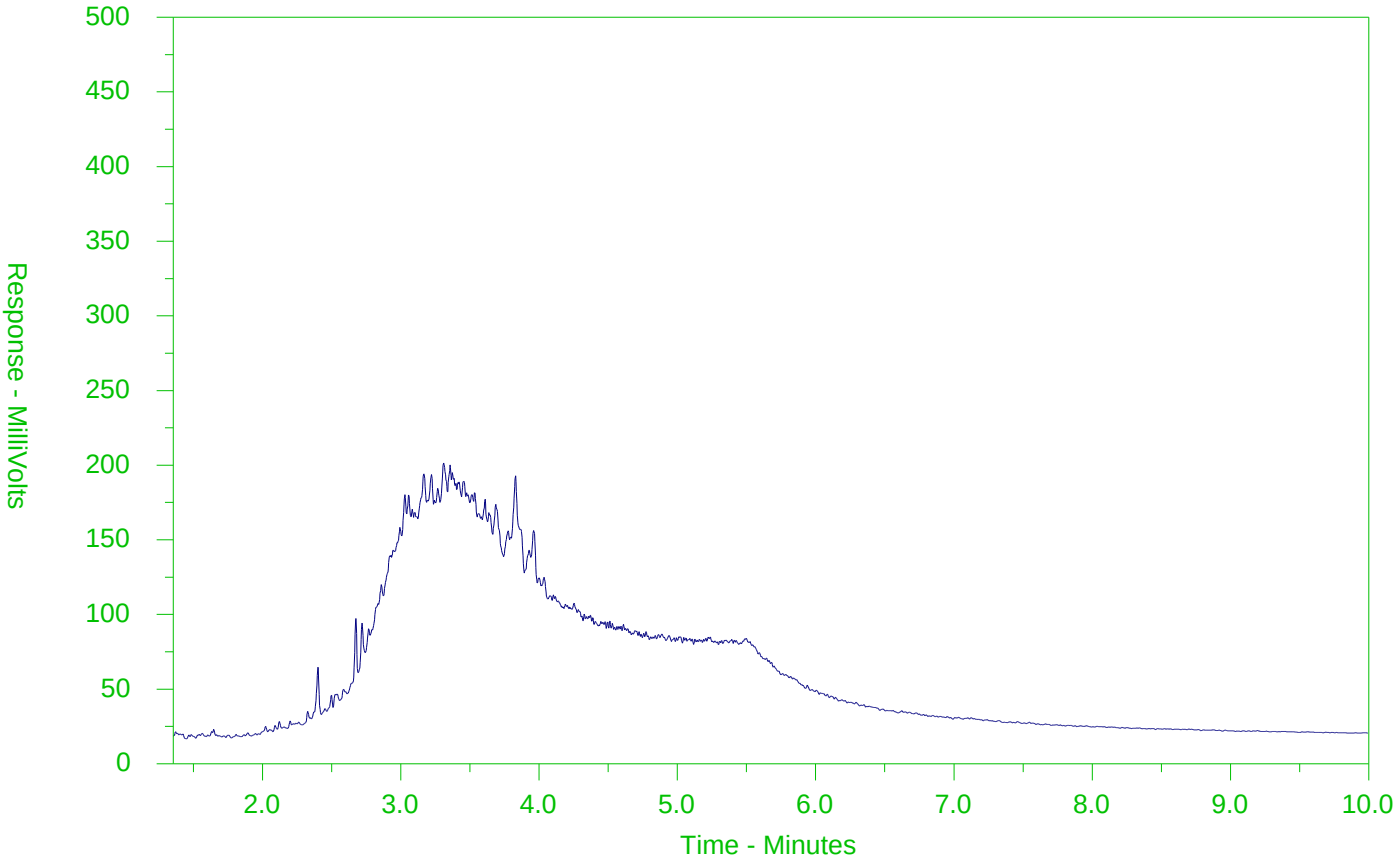
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-6
Client Sample ID: SSUS 6



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

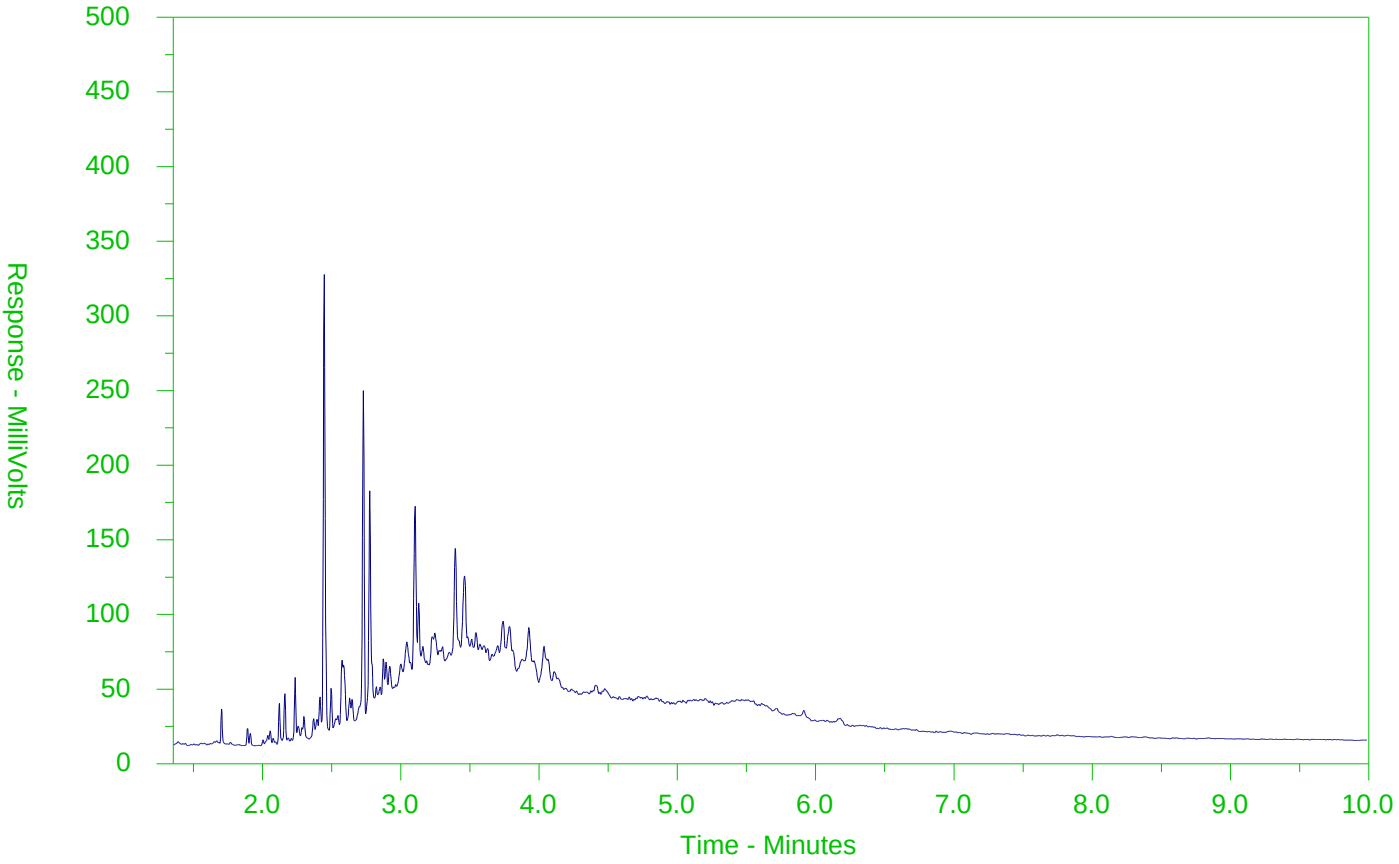
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-7
Client Sample ID: SSDS 1



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

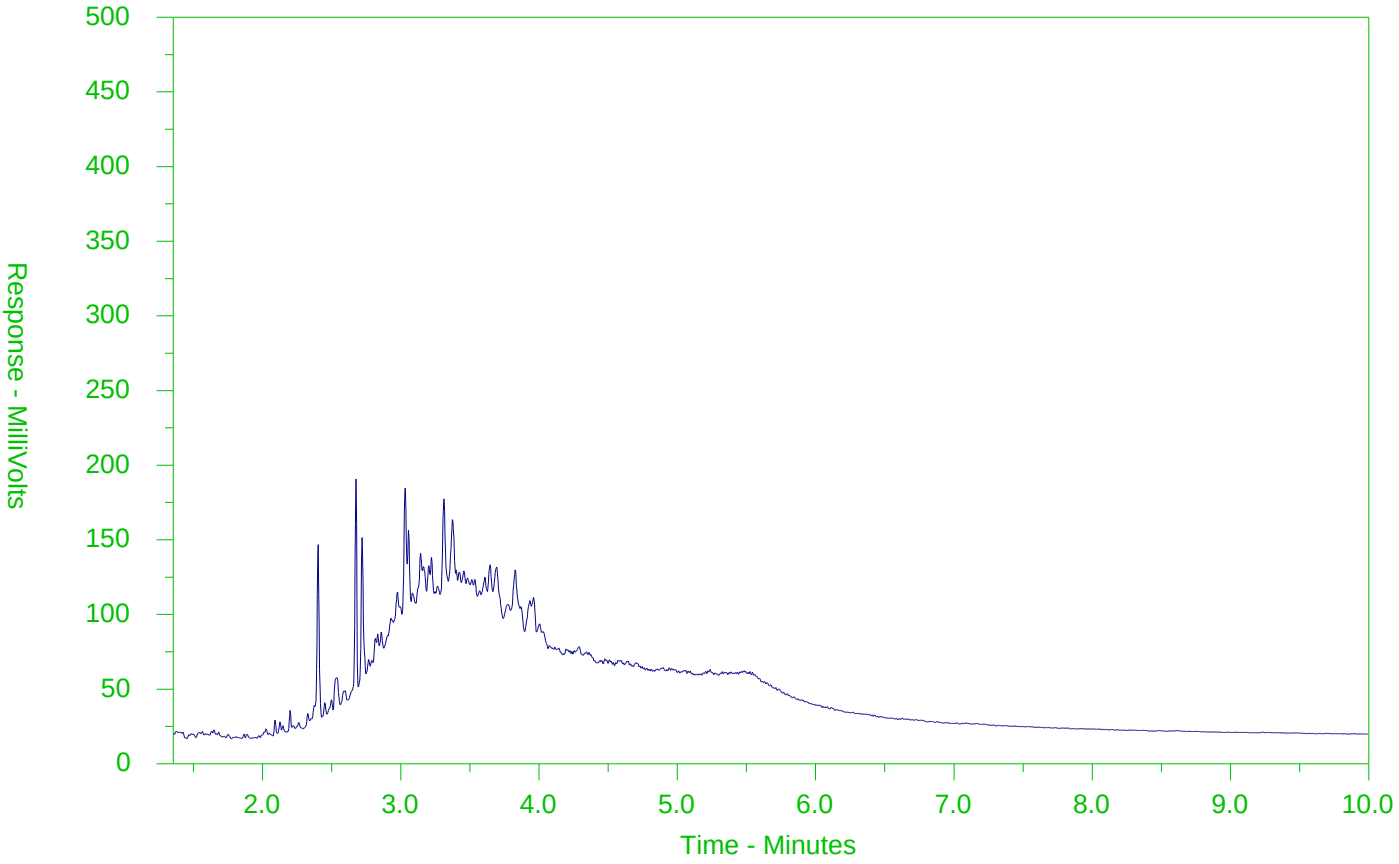
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-8
Client Sample ID: SSDS 2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

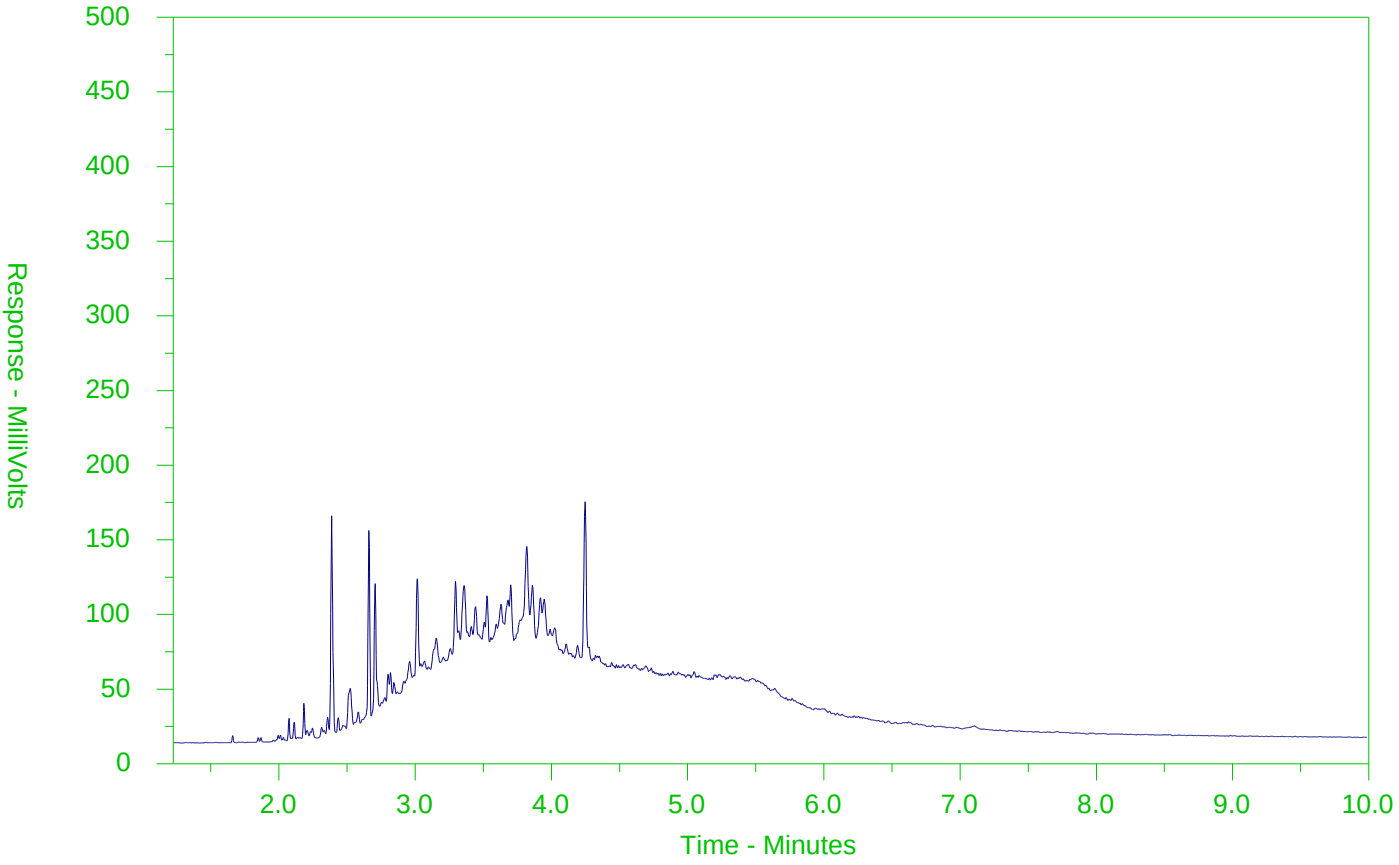
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-9
Client Sample ID: SSDS 3



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
←Diesel/Jet Fuels→			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

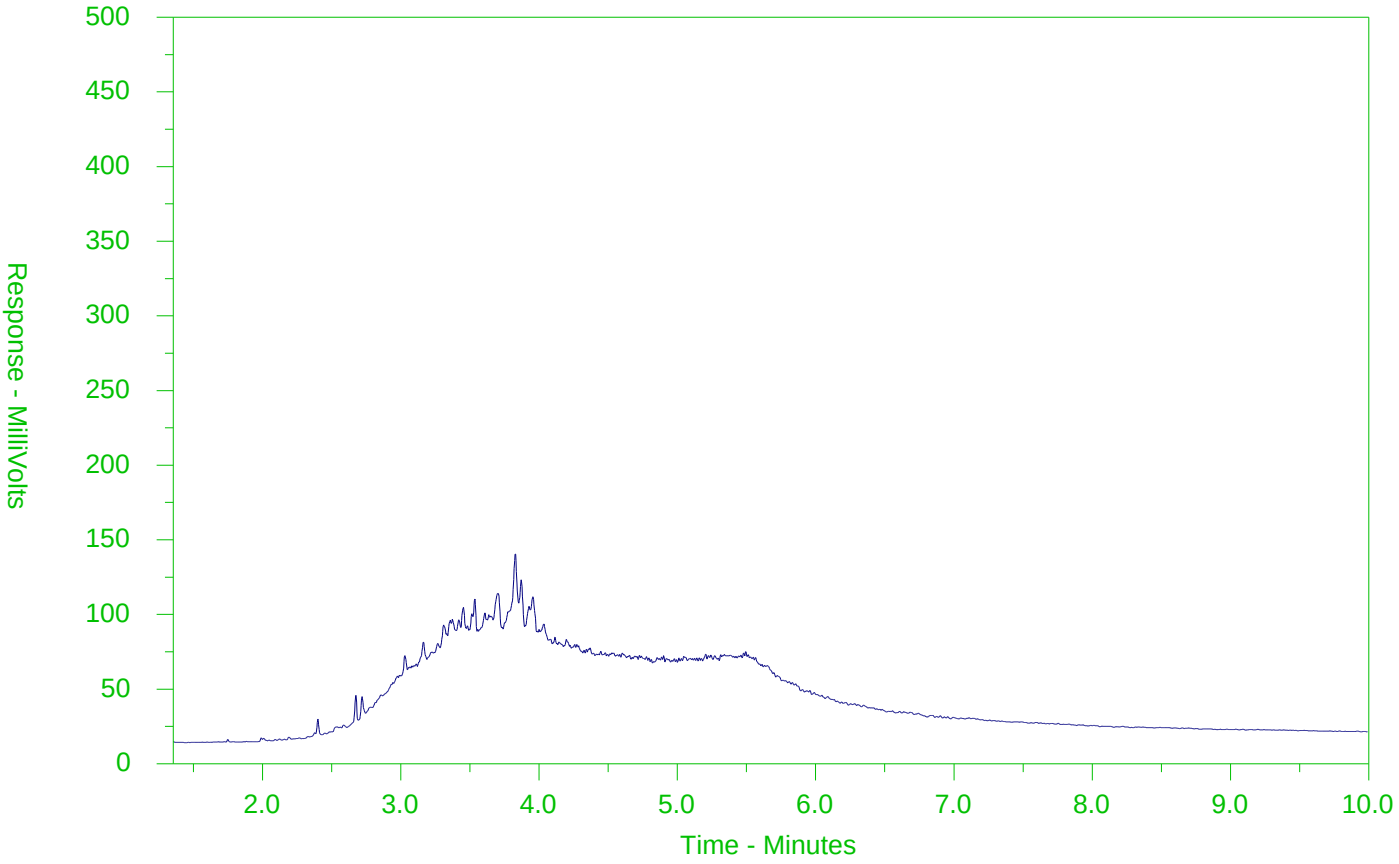
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-10
Client Sample ID: SSDS 4



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

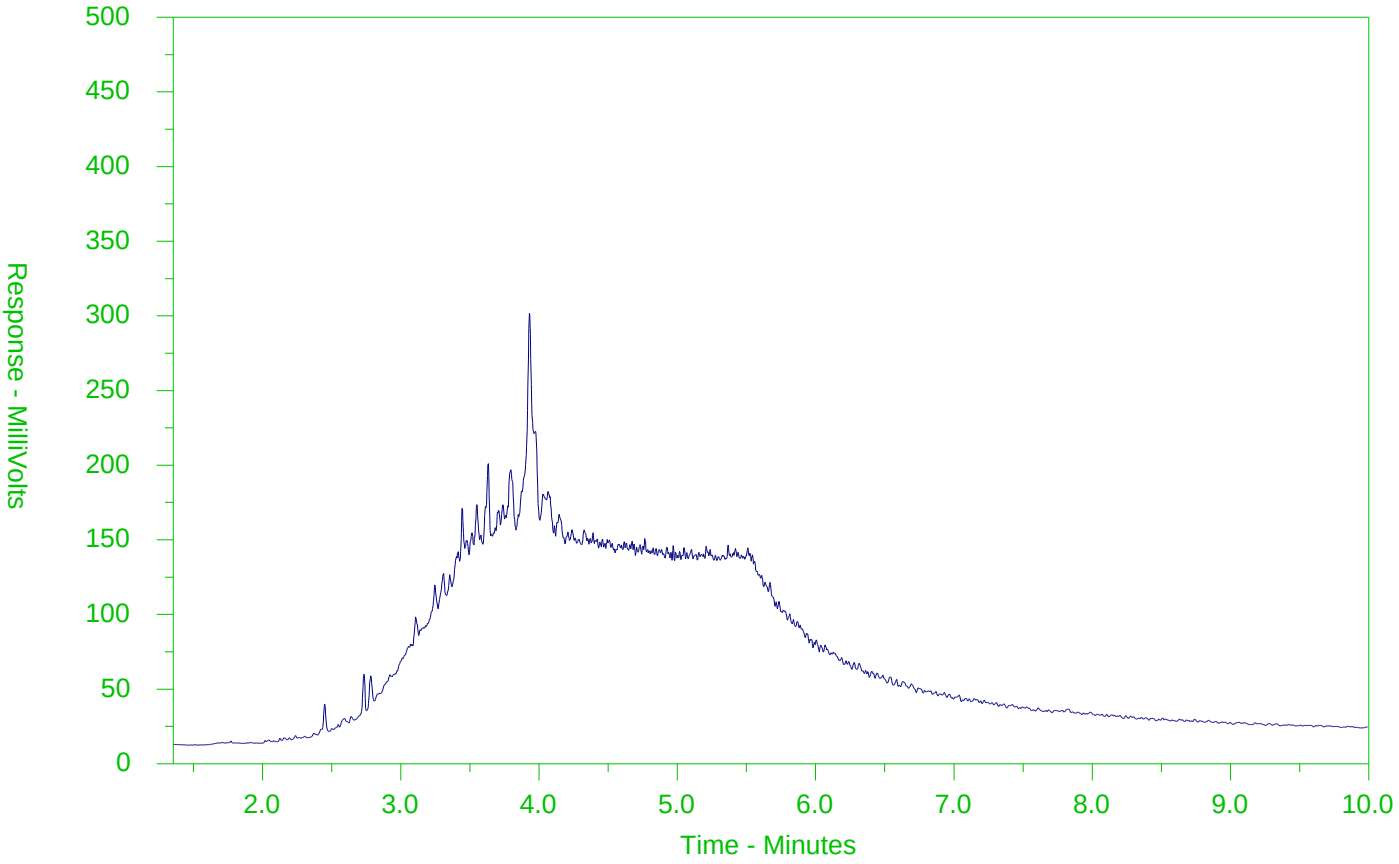
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-11
Client Sample ID: SSDS 5



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

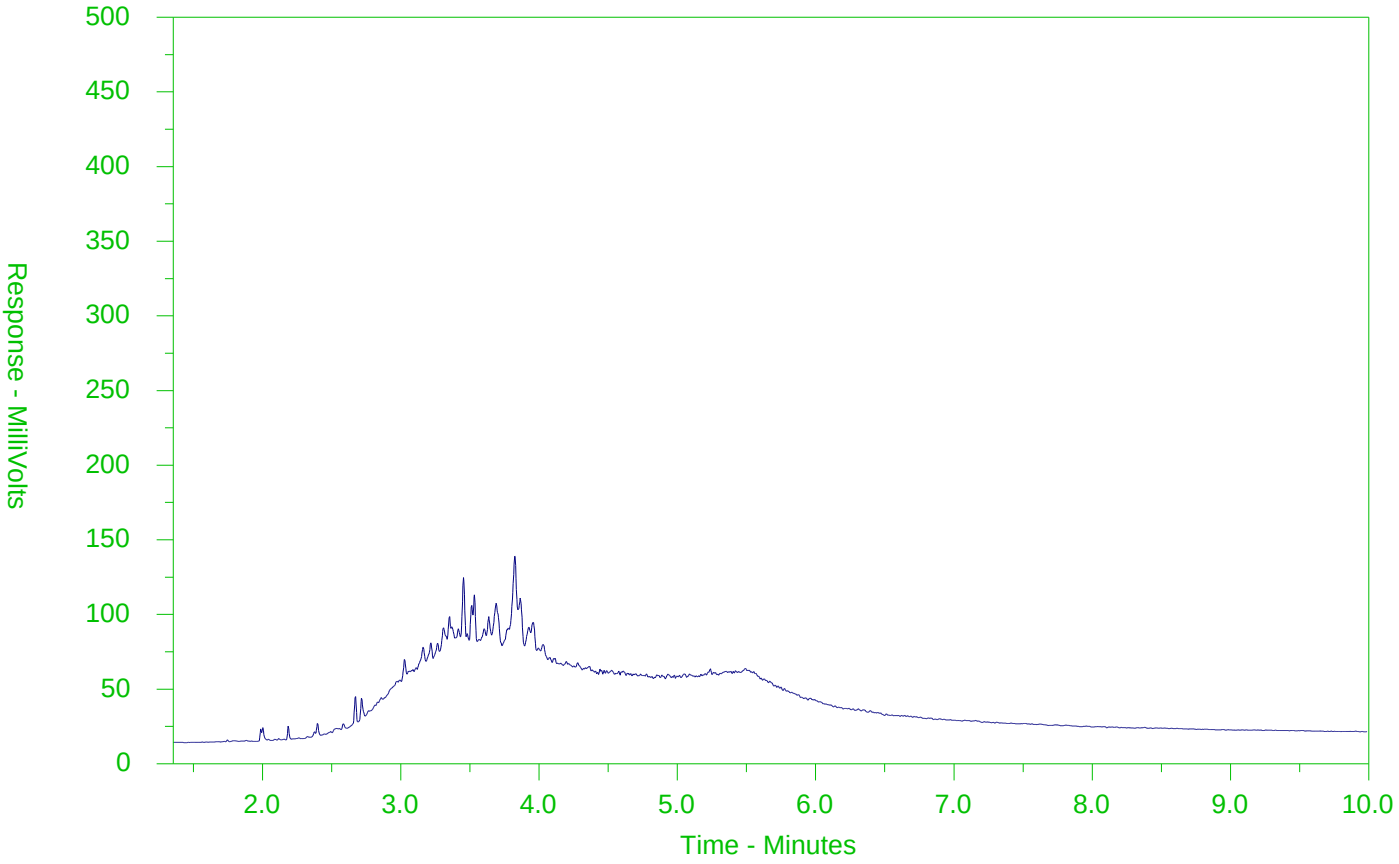
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1915123-12
Client Sample ID: SSDS 6



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

ALS Environmental
www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 15 - 555631

Page 1 of 1

Report To	Contact and company name below will appear on the final report
Company:	Terraprobe
Contact:	Sujish M.
Phone:	905-796-2650
	Company address below will appear on the final report
Street:	11 Indell Lane
City/Province:	Brampton, ON
Postal Code:	

Invoice To		
	Same as Report To	YES NO
	Copy of Invoice with Report	YES NO
Company:		
Contact:		

Project Information	
ALS Account # / Quote #:	
Job #:	
PO / AFE:	
LSD:	
ALS Lab Work Order # (lab use only)	L1915123

Report Format / Distribution	
Select Report Format:	PDF EXCEL EDD (DIGITAL)
Quality Control (QC) Report with Report	YES NO
Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	EMAIL MAIL FAX
Email 1 or Fax	smelanta@terraprobe.ca
Email 2	
Email 3	

Invoice Distribution	
Select Invoice Distribution:	EMAIL MAIL FAX
Email 1 or Fax	smelanta@terraprobe.ca
Email 2	

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	
ALS Contact:	Sampler:

Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply

Regular [R] Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days)		EMERGENCY	
	4 day [P4]		1 Business day [E1]
	3 day [P3]		Same Day, Weekend or Statutory holiday [E0]
	2 day [P2]		

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	M+I	PAH	PHC (F2-F4)	VOC	Number of Containers
-1	SS4S1	18-Apr-17	12:00	SOIL	X	X	X	X	5
-2	SS4S2		12:00		X	X	X	X	5
-3	SS4S3		12:30		X	X	X	X	5
-4	SS4S4		12:30		X	X	X	X	5
-5	SS4S5		13:00		X	X	X	X	5
-6	SS4S6		13:00		X	X	X	X	5
-7	SSDS1		13:30		X	X	X	X	5
-8	SSDS2		13:30		X	X	X	X	5
-9	SSDS3		14:00		X	X	X	X	5
-10	SSDS4		14:00		X	X	X	X	5
-11	SSDS5		14:30		X	X	X	X	5
-12	SSDS6		14:30		X	X	X	X	5

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)
Are samples taken from a Regulated DW System? YES NO	Table 6 / RPI / RSC
Are samples for human drinking water use? YES NO	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen | SIF Observations Yes No | Ice Packs | Ice Cubes | Custody seal intact Yes No | Cooling Initiated

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
9.3					

SHIPMENT RELEASE (client use)		
Released by:	Date:	Time:
Nicholas Gauffau	04/19/2017	14:30

INITIAL SHIPMENT RECEPTION (lab use only)		
Received by:	Date:	Time:
	19-APR-17	14:30

FINAL SHIPMENT RECEPTION (lab use only)		
Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

TERRAPROBE - BRAMPTON
ATTN: SUVISH MELANTA
11 Indell Lane
Brampton ON L6T 3Y3

Date Received: 24-APR-17
Report Date: 02-MAY-17 14:54 (MT)
Version: FINAL

Client Phone: 905-796-2650

Certificate of Analysis

Lab Work Order #: L1916592

Project P.O. #: 1-17-0147
Job Reference: 1-17-0147
C of C Numbers:
Legal Site Desc:

Emerson Perez, B.S.E
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

Summary of Guideline Exceedances

Guideline ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit
Ontario Regulation 153/04 - April 15, 2011 Standards - T2-Ground Water (Coarse Soil)-All Types of Property Use						
L1916592-1	TBH116	Volatile Organic Compounds	1,3-Dichloropropene (cis & trans)	<14	0.5	ug/L
			Toluene	464	24	ug/L
		Polycyclic Aromatic Hydrocarbons	Acenaphthene	5.12	4.1	ug/L
			Benzo(a)pyrene	0.015	0.01	ug/L
			Fluoranthene	0.471	0.41	ug/L
			1+2-Methylnaphthalenes	7.38	3.2	ug/L
			1-Methylnaphthalene	3.83	3.2	ug/L
			2-Methylnaphthalene	3.55	3.2	ug/L
			Phenanthrene	3.32	1	ug/L
L1916592-3	EMW2	Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.017	0.01	ug/L
L1916592-4	EMW3	Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.013	0.01	ug/L
L1916592-5	EMW4	Hydrocarbons	F3 (C16-C34)	920	500	ug/L
		Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.032	0.01	ug/L
L1916592-6	EMW5	Volatile Organic Compounds	cis-1,2-Dichloroethylene	32.3	1.6	ug/L
			Vinyl chloride	16.6	0.5	ug/L
L1916592-7	EMW6	Volatile Organic Compounds	cis-1,2-Dichloroethylene	64.1	1.6	ug/L
			Vinyl chloride	218	0.5	ug/L
L1916592-8	EMW7	Anions and Nutrients	Chloride (Cl)	979	790	mg/L
		Dissolved Metals	Sodium (Na)-Dissolved	585000	490000	ug/L
L1916592-9	BH209	Volatile Organic Compounds	cis-1,2-Dichloroethylene	8.46	1.6	ug/L
			Vinyl chloride	3.40	0.5	ug/L
L1916592-13	BH202	Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.056	0.01	ug/L
L1916592-16	EMW9	Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.031	0.01	ug/L
L1916592-20	EMW10	Volatile Organic Compounds	Vinyl chloride	0.83	0.5	ug/L
L1916592-22	DUP1	Polycyclic Aromatic Hydrocarbons	Benzo(a)pyrene	0.068	0.01	ug/L

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Physical Tests - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID						
				L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
				20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Conductivity	mS/cm	-	-	2.12	0.466	1.01	0.850	0.752	0.912	0.989	3.71	1.88
pH	pH units	-	-	7.26 PEHR	7.70 PEHR	7.15 PEHR	7.22 PEHR	7.47 PEHR	7.51	7.58	7.41	7.65

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - WATER

		Guide Limits								
Lab ID				L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
Sample Date				21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
Sample ID				BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
Analyte	**Unit**	**#1**	**#2**									
Conductivity	mS/cm	-	-	1.88	1.68	1.75	1.48	1.32	2.01	0.998	1.54	1.48
pH	pH units	-	-	7.49	7.55	7.49	7.37	7.64	7.63	7.45	7.77	7.55

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Physical Tests - WATER

				Lab ID	L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH207	EMW10	BH208	DUP1	DUP2
Analyte	Unit	Guide Limits #1	#2						
Conductivity	mS/cm	-	-	1.50	1.37	0.929	1.48	0.930
pH	pH units	-	-	7.71	7.78	7.95	7.44	8.01

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Anions and Nutrients - WATER

		Guide Limits								
Lab ID				L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
Sample Date				20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
Sample ID				TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Analyte	**Unit**	**#1**	**#2**									
Chloride (Cl)	mg/L	790	-	110 DLHC	4.11	20.6	2.45	25.7	107	124	979 DLHC	398 DLHC

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Anions and Nutrients - WATER

	Lab ID	L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
	Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
	Sample ID	BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
Analyte	Unit	Guide Limits #1	Guide Limits #2							
Chloride (Cl)	mg/L	790	-	255 DLHC	245 DLHC	305 DLHC	87.0 DLHC	213 DLHC	409 DLHC	84.9	236 DLHC	232 DLHC

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Anions and Nutrients - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH207	EMW10	BH208	DUP1	DUP2
Chloride (Cl)	mg/L	790	-		257 DLHC	301 DLHC	138	84.6 DLHC	144

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Cyanides - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
				Sample Date	20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Cyanide, Weak Acid Diss	ug/L	66	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Cyanides - WATER

		Guide Limits									
	Lab ID			L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
	Sample Date			21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
	Sample ID			BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
Analyte	**Unit**	**#1**	**#2**									
Cyanide, Weak Acid Diss	ug/L	66	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Cyanides - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	Sample Date	Sample ID			
				L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23	
				21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	
				BH207	EMW10	BH208	DUP1	DUP2	
Cyanide, Weak Acid Diss	ug/L	66	-	<2.0	<2.0	<2.0	<2.0	<2.0	

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Dissolved Metals - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
				Sample Date	20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Dissolved Mercury Filtration Location		-	-		FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		-	-		FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	6	-		0.16	<0.10	<0.10	<0.10	<0.10	0.16	0.36	<1.0 DLHC	<0.10
Arsenic (As)-Dissolved	ug/L	25	-		1.94	<0.10	0.79	0.62	1.06	1.52	0.21	<1.0 DLHC	2.31
Barium (Ba)-Dissolved	ug/L	1000	-		258	99.8	141	95.5	170	43.0	145	205 DLHC	228
Beryllium (Be)-Dissolved	ug/L	4	-		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0 DLHC	<0.10
Boron (B)-Dissolved	ug/L	5000	-		97	21	57	30	73	129	68	<100 DLHC	74
Cadmium (Cd)-Dissolved	ug/L	2.7	-		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.021	<0.10 DLHC	<0.010
Chromium (Cr)-Dissolved	ug/L	50	-		4.85	<0.50	0.61	<0.50	<0.50	<0.50	<0.50	<5.0 DLHC	<0.50
Cobalt (Co)-Dissolved	ug/L	3.8	-		3.37	<0.10	0.42	<0.10	0.11	0.24	0.18	<1.0 DLHC	0.13
Copper (Cu)-Dissolved	ug/L	87	-		0.36	0.68	0.55	3.03	0.62	1.12	0.47	7.6 DLHC	0.30
Lead (Pb)-Dissolved	ug/L	10	-		<0.050	0.055	0.147	<0.050	0.144	0.128	0.099	<0.50 DLHC	<0.050
Mercury (Hg)-Dissolved	ug/L	0.29	-		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	70	-		0.200	0.246	0.062	0.177	0.472	0.379	0.508	<0.50 DLHC	1.57
Nickel (Ni)-Dissolved	ug/L	100	-		19.3	<0.50	1.20	<0.50	0.79	0.82	6.77	<5.0 DLHC	<0.50
Selenium (Se)-Dissolved	ug/L	10	-		0.328	0.082	0.218	0.103	0.188	<0.050	0.062	<0.50 DLHC	<0.050
Silver (Ag)-Dissolved	ug/L	1.5	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.50 DLHC	<0.050
Sodium (Na)-Dissolved	ug/L	490000	-		87800	7160	22100	6090	22900	21800	46800	585000 DLHC	147000 DLHC
Thallium (Tl)-Dissolved	ug/L	2	-		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.10 DLHC	<0.010
Uranium (U)-Dissolved	ug/L	20	-		<0.010	<0.010	0.011	0.014	0.089	0.116	0.136	<0.10 DLHC	0.801
Vanadium (V)-Dissolved	ug/L	6.2	-		2.09	<0.50	0.78	<0.50	<0.50	<0.50	<0.50	<5.0 DLHC	0.71
Zinc (Zn)-Dissolved	ug/L	1100	-		2.4	1.8	5.4	2.9	9.6	12.2	30.9	24 DLHC	<1.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Dissolved Metals - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
Dissolved Mercury Filtration Location		-	-		FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		-	-		FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	6	-		<0.10	0.39	<0.10	0.15	<0.10	<0.10	1.65	<0.10	<0.10
Arsenic (As)-Dissolved	ug/L	25	-		5.11	3.01	0.12	1.26	0.71	0.67	0.15	0.47	0.64
Barium (Ba)-Dissolved	ug/L	1000	-		160	148	64.8	160	88.4	169	32.5	67.0	99.4
Beryllium (Be)-Dissolved	ug/L	4	-		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Boron (B)-Dissolved	ug/L	5000	-		203	131	106	388	52	68	87	24	51
Cadmium (Cd)-Dissolved	ug/L	2.7	-		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.015	<0.010	<0.010
Chromium (Cr)-Dissolved	ug/L	50	-		<0.50	<0.50	<0.50	0.51	<0.50	<0.50	0.52	<0.50	<0.50
Cobalt (Co)-Dissolved	ug/L	3.8	-		0.11	0.15	<0.10	0.11	0.13	<0.10	0.15	0.28	0.47
Copper (Cu)-Dissolved	ug/L	87	-		0.48	0.61	0.41	<0.20	0.92	0.25	1.92	0.43	0.25
Lead (Pb)-Dissolved	ug/L	10	-		0.054	<0.050	<0.050	<0.050	0.058	<0.050	0.062	<0.050	<0.050
Mercury (Hg)-Dissolved	ug/L	0.29	-		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	70	-		0.430	10.7	0.275	0.756	0.520	0.477	2.19	1.09	0.859
Nickel (Ni)-Dissolved	ug/L	100	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Dissolved	ug/L	10	-		0.080	0.208	0.078	0.154	0.368	<0.050	0.160	0.688	4.60
Silver (Ag)-Dissolved	ug/L	1.5	-		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	490000	-		140000 DLHC	170000 DLHC	165000 DLHC	69600	75000	238000 DLHC	117000 DLHC	176000 DLHC	87500
Thallium (Tl)-Dissolved	ug/L	2	-		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	20	-		0.366	3.71	0.171	1.02	1.01	0.111	0.355	0.835	0.889
Vanadium (V)-Dissolved	ug/L	6.2	-		1.26	0.99	0.73	0.90	1.02	<0.50	<0.50	<0.50	0.84
Zinc (Zn)-Dissolved	ug/L	1100	-		2.7	1.9	1.6	8.9	1.9	2.3	4.8	1.3	<1.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

ANALYTICAL REPORT

Dissolved Metals - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH207	EMW10	BH208	DUP1	DUP2
Dissolved Mercury Filtration Location		-	-		FIELD	FIELD	FIELD	FIELD	FIELD
Dissolved Metals Filtration Location		-	-		FIELD	FIELD	FIELD	FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	6	-		0.11	<0.10	<0.10	0.14	<0.10
Arsenic (As)-Dissolved	ug/L	25	-		0.87	0.82	0.99	1.26	0.99
Barium (Ba)-Dissolved	ug/L	1000	-		114	126	122	146	123
Beryllium (Be)-Dissolved	ug/L	4	-		<0.10	<0.10	<0.10	<0.10	<0.10
Boron (B)-Dissolved	ug/L	5000	-		47	37	16	420	16
Cadmium (Cd)-Dissolved	ug/L	2.7	-		<0.010	<0.010	<0.010	<0.010	<0.010
Chromium (Cr)-Dissolved	ug/L	50	-		<0.50	<0.50	<0.50	<0.50	0.62
Cobalt (Co)-Dissolved	ug/L	3.8	-		0.37	<0.10	0.10	0.10	<0.10
Copper (Cu)-Dissolved	ug/L	87	-		1.52	1.03	0.46	1.00	<0.20
Lead (Pb)-Dissolved	ug/L	10	-		<0.050	0.079	1.44	<0.050	1.02
Mercury (Hg)-Dissolved	ug/L	0.29	-		<0.010	<0.010	<0.010	<0.010	<0.010
Molybdenum (Mo)-Dissolved	ug/L	70	-		0.828	0.241	0.588	0.725	0.614
Nickel (Ni)-Dissolved	ug/L	100	-		<0.50	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Dissolved	ug/L	10	-		2.55	0.141	<0.050	0.112	<0.050
Silver (Ag)-Dissolved	ug/L	1.5	-		<0.050	<0.050	<0.050	<0.050	<0.050
Sodium (Na)-Dissolved	ug/L	490000	-		82900	39300	39600	63300	38900
Thallium (Tl)-Dissolved	ug/L	2	-		<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	ug/L	20	-		1.32	0.047	0.685	1.01	0.705
Vanadium (V)-Dissolved	ug/L	6.2	-		0.58	<0.50	<0.50	0.78	<0.50
Zinc (Zn)-Dissolved	ug/L	1100	-		1.0	2.8	3.1	6.4	2.5

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Speciated Metals - WATER

	Lab ID	L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
	Sample Date	20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
	Sample ID	TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Analyte	Unit	Guide Limits #1	#2							
Chromium, Hexavalent	ug/L	25	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

ANALYTICAL REPORT

Speciated Metals - WATER

		Guide Limits									
				Lab ID	L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
Analyte	Unit	#1	#2										
Chromium, Hexavalent	ug/L	25	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Speciated Metals - WATER

				Lab ID	L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH207	EMW10	BH208	DUP1	DUP2
		Guide Limits							
Analyte	Unit	#1	#2						
Chromium, Hexavalent	ug/L	25	-		<1.0	<1.0	<1.0	<1.0	<1.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
				Sample Date	20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Acetone	ug/L	2700	-		76	<30	<30	<30	<30	<30	<30	<30	<30
Benzene	ug/L	5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	16	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	25	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.89	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.79	-		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	30	-		<0.50	<0.50	<0.50	<0.50	1.13	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	25	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	2.4	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	-		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	3	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	59	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	590	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	32.3	64.1	<0.50	8.46
trans-1,2-Dichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	50	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	-	-		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	-	-		<14 DLQ	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	-		<14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	2.4	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	51	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	1800	-		30	<20	<20	<20	<20	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	640	-		<20	<20	<20	<20	<20	<20	<20	<20	<20
MTBE	ug/L	15	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	5.4	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
Acetone	ug/L	2700	-		<30	<30	<30	<30	<30	<30	<30	<30	<30
Benzene	ug/L	5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	16	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	25	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.89	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.79	-		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	30	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	25	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	2.4	-		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	-		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	3	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	59	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	590	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	50	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	-	-		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	-	-		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	2.4	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	51	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	1800	-		<20	<20	<20	<20	<20	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	640	-		<20	<20	<20	<20	<20	<20	<20	<20	<20
MTBE	ug/L	15	-		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	5.4	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - WATER

				Lab ID	L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23	L1916592-24
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH207	EMW10	BH208	DUP1	DUP2	TRIP BLANK
		Guide Limits								
Analyte	Unit	#1	#2							
Acetone	ug/L	2700	-	<30	<30	<30	<30	<30	<30
Benzene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	ug/L	16	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bromoform	ug/L	25	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	ug/L	0.89	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	ug/L	0.79	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	ug/L	30	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	ug/L	25	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Chloroform	ug/L	2.4	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	3	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	59	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	1	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	ug/L	590	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane	ug/L	1.6	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/L	1.6	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	1.6	-	<0.50	0.70	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	1.6	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	ug/L	50	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	-	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	-	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	ug/L	2.4	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Hexane	ug/L	51	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	1800	-	<20	<20	<20	<20	<20	<20
Methyl Isobutyl Ketone	ug/L	640	-	<20	<20	<20	<20	<20	<20
MTBE	ug/L	15	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	ug/L	5.4	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
				Sample Date	20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
1,1,1,2-Tetrachloroethane	ug/L	1.1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	24	-		464 DLHC	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	200	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	4.7	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	150	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	-		<0.50	<0.50	<0.50	<0.50	<0.50	16.6	218	<0.50	3.40
o-Xylene	ug/L	-	-		<0.30	<0.30	<0.30	<0.30	0.30	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	-	-		<0.40	<0.40	<0.40	<0.40	0.82	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	300	-		<0.50	<0.50	<0.50	<0.50	1.12	<0.50	<0.50	<0.50	<0.50
Surrogate: 4-Bromofluorobenzene	%	-	-		95.0	96.5	93.5	95.2	95.0	94.2	97.5	98.7	96.6
Surrogate: 1,4-Difluorobenzene	%	-	-		100.5	100.1	100.9	100.0	100.8	100.1	101.1	101.4	101.2

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
1,1,1,2-Tetrachloroethane	ug/L	1.1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	24	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	200	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	4.7	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	150	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
o-Xylene	ug/L	-	-		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	-	-		<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	300	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Surrogate: 4-Bromofluorobenzene	%	-	-		98.0	97.2	96.2	97.6	97.9	96.9	97.4	97.7	95.7
Surrogate: 1,4-Difluorobenzene	%	-	-		101.0	100.7	101.4	101.0	100.5	100.6	100.7	100.5	100.2

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23	L1916592-24
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH207	EMW10	BH208	DUP1	DUP2	TRIP BLANK
1,1,1,2-Tetrachloroethane	ug/L	1.1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	1	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	ug/L	24	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	ug/L	200	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	4.7	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	ug/L	1.6	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	ug/L	150	-		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	ug/L	0.5	-		<0.50	0.83	<0.50	<0.50	<0.50	<0.50
o-Xylene	ug/L	-	-		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
m+p-Xylenes	ug/L	-	-		<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylenes (Total)	ug/L	300	-		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Surrogate: 4-Bromofluorobenzene	%	-	-		96.9	96.3	96.4	95.2	96.4	99.9
Surrogate: 1,4-Difluorobenzene	%	-	-		100.9	99.9	101.2	100.2	99.7	101.7

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - WATER

		Guide Limits								
Lab ID				L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
Sample Date				20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
Sample ID				TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Analyte	**Unit**	**#1**	**#2**									
F1 (C6-C10)	ug/L	750	-	426	<25	<25	<25	45	<25	<25	<25	<25
F1-BTEX	ug/L	750	-	<64	<25	<25	<25	44	<25	<25	<25	<25
F2 (C10-C16)	ug/L	150	-	<100	<100	<100	<100	<100	<100	<100	<100	<100
F2-Naphth	ug/L	-	-	<100	<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16-C34)	ug/L	500	-	<250	<250	<250	<250	920	<250	<250	<250	<250
F3-PAH	ug/L	-	-	<250	<250	<250	<250	910	<250	<250	<250	<250
F4 (C34-C50)	ug/L	500	-	<250	<250	<250	<250	330	<250	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	-	-	430	<370	<370	<370	1290	<370	<370	<370	<370
Chrom. to baseline at nC50		-	-	YES	YES	YES	YES	YES	YES	YES	YES	YES
Surrogate: 2-Bromobenzotrifluoride	%	-	-	107.1	102.7	100.2	101.4	95.4	107.4	108.6	98.2	105.3
Surrogate: 3,4-Dichlorotoluene	%	-	-	73.6	91.3	82.7	85.9	84.8	90.0	80.3	82.8	80.5

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
F1 (C6-C10)	ug/L	750	-		<25	<25	<25	<25	<25	<25	<25	<25	<25
F1-BTEX	ug/L	750	-		<25	<25	<25	<25	<25	<25	<25	<25	<25
F2 (C10-C16)	ug/L	150	-		<100	<100	<100	<100	<100	<100	<100	<100	<100
F2-Naphth	ug/L	-	-		<100	<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16-C34)	ug/L	500	-		<250	<250	<250	<250	<250	<250	<250	<250	<250
F3-PAH	ug/L	-	-		<250	<250	<250	<250	<250	<250	<250	<250	<250
F4 (C34-C50)	ug/L	500	-		<250	<250	<250	<250	<250	<250	<250	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	-	-		<370	<370	<370	<370	<370	<370	<370	<370	<370
Chrom. to baseline at nC50		-	-		YES	YES	YES	YES	YES	YES	YES	YES	YES
Surrogate: 2-Bromobenzotrifluoride	%	-	-		105.0	106.1	105.1	103.9	107.2	104.8	103.8	104.3	103.8
Surrogate: 3,4-Dichlorotoluene	%	-	-		66.0	69.6	82.8	68.3	87.2	78.7	80.0	82.2	77.0

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - WATER

Analyte	Unit	Guide Limits #1	Guide Limits #2	Lab ID	L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23	L1916592-24
				Sample Date	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
				Sample ID	BH207	EMW10	BH208	DUP1	DUP2	TRIP BLANK
F1 (C6-C10)	ug/L	750	-		<25	<25	<25	<25	<25	<25
F1-BTEX	ug/L	750	-		<25	<25	<25	<25	<25	<25
F2 (C10-C16)	ug/L	150	-		<100	<100	<100	<100	<100	
F2-Naphth	ug/L	-	-		<100	<100	<100	<100	<100	
F3 (C16-C34)	ug/L	500	-		<250	<250	<250	<250	<250	
F3-PAH	ug/L	-	-		<250	<250	<250	<250	<250	
F4 (C34-C50)	ug/L	500	-		<250	<250	<250	<250	<250	
Total Hydrocarbons (C6-C50)	ug/L	-	-		<370	<370	<370	<370	<370	
Chrom. to baseline at nC50		-	-		YES	YES	YES	YES	YES	
Surrogate: 2-Bromobenzotrifluoride	%	-	-		101.7	107.5	102.0	105.5	100.6	
Surrogate: 3,4-Dichlorotoluene	%	-	-		81.5	71.8	80.8	70.3	88.7	90.9

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - WATER

		Guide Limits									
Lab ID				L1916592-1	L1916592-2	L1916592-3	L1916592-4	L1916592-5	L1916592-6	L1916592-7	L1916592-8	L1916592-9
Sample Date				20-APR-17	20-APR-17	20-APR-17	20-APR-17	20-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
Sample ID				TBH116	EMW1	EMW2	EMW3	EMW4	EMW5	EMW6	EMW7	BH209
Analyte	**Unit**	**#1**	**#2**									
Acenaphthene	ug/L	4.1	-	5.12	<0.020	<0.020	<0.020	0.091	<0.020	<0.020	<0.020	<0.020
Acenaphthylene	ug/L	1	-	0.122	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anthracene	ug/L	2.4	-	0.478	<0.020	<0.020	<0.020	0.032 R	<0.020	<0.020	<0.020	<0.020
Benzo(a)anthracene	ug/L	1	-	0.045	<0.020	0.020	<0.020	0.038	<0.020	<0.020	<0.020	<0.020
Benzo(a)pyrene	ug/L	0.01	-	0.015	<0.010	0.017	0.013	0.032	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	ug/L	0.1	-	0.020	<0.020	0.026	<0.020	0.043	<0.020	<0.020	<0.020	<0.020
Benzo(g,h,i)perylene	ug/L	0.2	-	<0.020	<0.020	<0.020	<0.020	0.032	<0.020	<0.020	<0.020	<0.020
Benzo(k)fluoranthene	ug/L	0.1	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chrysene	ug/L	0.1	-	0.048	<0.020	0.021	<0.020	0.043	<0.020	<0.020	<0.020	<0.020
Dibenzo(ah)anthracene	ug/L	0.2	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.41	-	0.471	<0.020	0.053	0.025	0.080	<0.020	<0.020	<0.020	<0.020
Fluorene	ug/L	120	-	3.48	<0.020	<0.020	<0.020	0.101	<0.020	<0.020	<0.020	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.2	-	<0.020	<0.020	<0.020	<0.020	0.022	<0.020	<0.020	<0.020	<0.020
1+2-Methylnaphthalenes	ug/L	3.2	-	7.38	<0.028	<0.028	<0.028	0.347	<0.028	<0.028	<0.028	<0.028
1-Methylnaphthalene	ug/L	3.2	-	3.83	<0.020	<0.020	<0.020	0.230	<0.020	<0.020	<0.020	<0.020
2-Methylnaphthalene	ug/L	3.2	-	3.55	<0.020	<0.020	<0.020	0.116	<0.020	<0.020	<0.020	<0.020
Naphthalene	ug/L	11	-	1.57	<0.050	<0.050	<0.050	<0.150 DLQ	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	1	-	3.32	<0.020	0.029	<0.020	0.067	<0.020	<0.020	<0.020	<0.020
Pyrene	ug/L	4.1	-	0.327	<0.020	0.045	0.025	0.104	<0.020	<0.020	<0.020	<0.020
Surrogate: d10-Acenaphthene	%	-	-	92.7	94.0	92.2	87.8	91.4	98.0	92.3	89.0	99.4
Surrogate: d12-Chrysene	%	-	-	99.1	94.8	91.0	92.4	96.7	101.2	95.7	82.6	100.3
Surrogate: d8-Naphthalene	%	-	-	120.8	87.2	89.1	99.2	98.8	98.6	95.6	91.2	105.9
Surrogate: d10-Phenanthrene	%	-	-	104.9	93.1	102.9	97.7	99.2	105.8	103.0	100.0	98.2

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - WATER

		Guide Limits									
Lab ID				L1916592-10	L1916592-11	L1916592-12	L1916592-13	L1916592-14	L1916592-15	L1916592-16	L1916592-17	L1916592-18
Sample Date				21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
Sample ID				BH210	BH201	EMW8	BH202	BH203	BH204	EMW9	BH205	BH206
Analyte	**Unit**	**#1**	**#2**									
Acenaphthene	ug/L	4.1	-	<0.020	<0.020	<0.020	0.128	0.063	<0.020	<0.020	<0.020	<0.020
Acenaphthylene	ug/L	1	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Anthracene	ug/L	2.4	-	<0.020	<0.020	<0.020	0.029	<0.020	<0.020	0.033	<0.020	<0.020
Benzo(a)anthracene	ug/L	1	-	<0.020	<0.020	<0.020	0.056	<0.020	<0.020	0.040	<0.020	<0.020
Benzo(a)pyrene	ug/L	0.01	-	<0.010	<0.010	<0.010	0.056	<0.010	<0.010	0.031	<0.010	<0.010
Benzo(b)fluoranthene	ug/L	0.1	-	<0.020	<0.020	<0.020	0.075	<0.020	<0.020	0.045	<0.020	<0.020
Benzo(g,h,i)perylene	ug/L	0.2	-	<0.020	<0.020	<0.020	0.038	<0.020	<0.020	0.031	<0.020	<0.020
Benzo(k)fluoranthene	ug/L	0.1	-	<0.020	<0.020	<0.020	0.026	<0.020	<0.020	<0.020	<0.020	<0.020
Chrysene	ug/L	0.1	-	<0.020	<0.020	<0.020	0.055	<0.020	<0.020	0.035	<0.020	<0.020
Dibenzo(ah)anthracene	ug/L	0.2	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.41	-	<0.020	<0.020	<0.020	0.125	<0.020	<0.020	0.103	<0.020	<0.020
Fluorene	ug/L	120	-	<0.020	<0.020	<0.020	0.043	<0.020	<0.020	<0.020	<0.020	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.2	-	<0.020	<0.020	<0.020	0.038	<0.020	<0.020	0.028	<0.020	<0.020
1+2-Methylnaphthalenes	ug/L	3.2	-	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028
1-Methylnaphthalene	ug/L	3.2	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Methylnaphthalene	ug/L	3.2	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	ug/L	11	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	1	-	<0.020	<0.020	<0.020	0.084	<0.020	<0.020	0.087	<0.020	<0.020
Pyrene	ug/L	4.1	-	<0.020	<0.020	<0.020	0.106	<0.020	<0.020	0.074	<0.020	<0.020
Surrogate: d10-Acenaphthene	%	-	-	91.9	98.0	89.0	103.5	97.7	99.7	95.6	89.0	99.0
Surrogate: d12-Chrysene	%	-	-	93.9	99.4	92.0	101.3	97.6	98.0	94.8	91.7	96.9
Surrogate: d8-Naphthalene	%	-	-	94.0	103.3	84.9	92.3	97.8	98.9	88.9	83.5	92.6
Surrogate: d10-Phenanthrene	%	-	-	89.5	97.9	86.3	102.3	97.3	101.7	95.6	89.6	96.8

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - WATER

		Guide Limits						
Lab ID				L1916592-19	L1916592-20	L1916592-21	L1916592-22	L1916592-23
Sample Date				21-APR-17	21-APR-17	21-APR-17	21-APR-17	21-APR-17
Sample ID				BH207	EMW10	BH208	DUP1	DUP2
Analyte	**Unit**	**#1**	**#2**					
Acenaphthene	ug/L	4.1	-	<0.020	<0.020	0.081	0.132	0.024
Acenaphthylene	ug/L	1	-	<0.020	<0.020	<0.020	<0.020	<0.020
Anthracene	ug/L	2.4	-	<0.020	<0.020	<0.020	0.035	<0.020
Benzo(a)anthracene	ug/L	1	-	<0.020	<0.020	<0.020	0.063	<0.020
Benzo(a)pyrene	ug/L	0.01	-	<0.010	<0.010	<0.010	0.068	<0.010
Benzo(b)fluoranthene	ug/L	0.1	-	<0.020	<0.020	<0.020	0.087	<0.020
Benzo(g,h,i)perylene	ug/L	0.2	-	<0.020	<0.020	<0.020	0.049	<0.020
Benzo(k)fluoranthene	ug/L	0.1	-	<0.020	<0.020	<0.020	0.030	<0.020
Chrysene	ug/L	0.1	-	<0.020	<0.020	<0.020	0.065	<0.020
Dibenzo(ah)anthracene	ug/L	0.2	-	<0.020	<0.020	<0.020	<0.020	<0.020
Fluoranthene	ug/L	0.41	-	<0.020	<0.020	0.079	0.151	0.098
Fluorene	ug/L	120	-	<0.020	<0.020	0.096	0.049	0.033
Indeno(1,2,3-cd)pyrene	ug/L	0.2	-	<0.020	<0.020	<0.020	0.047	<0.020
1+2-Methylnaphthalenes	ug/L	3.2	-	<0.028	<0.028	<0.028	<0.028	<0.028
1-Methylnaphthalene	ug/L	3.2	-	<0.020	<0.020	<0.020	<0.020	<0.020
2-Methylnaphthalene	ug/L	3.2	-	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	ug/L	11	-	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	ug/L	1	-	<0.020	<0.020	0.048	0.101	<0.020
Pyrene	ug/L	4.1	-	<0.020	<0.020	0.047	0.131	0.060
Surrogate: d10-Acenaphthene	%	-	-	93.8	97.0	94.4	98.5	99.5
Surrogate: d12-Chrysene	%	-	-	93.3	98.2	92.8	96.3	99.0
Surrogate: d8-Naphthalene	%	-	-	87.7	92.3	83.5	89.8	94.0
Surrogate: d10-Phenanthrene	%	-	-	89.0	101.1	84.7	98.5	90.4

Guide Limit #1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
DLQ	Detection Limit raised due to co-eluting interference. GCMS qualifier ion ratio did not meet acceptance criteria.
PEHR	Parameter Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
CL-IC-N-WT	Water	Chloride by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Water	Cyanide (WAD)-O.Reg 153/04	APHA 4500CN I-Weak acid Dist Colorimet

Weak acid dissociable cyanide (WAD) is determined by undergoing a distillation procedure. Cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-R511-WT	Water	Hex Chrom-O.Reg 153/04 (July 2011)	EPA 7199

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution. Chromium (III) is calculated as the difference between the total chromium and the chromium (VI) results.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-R511-WT	Water	Conductivity-O.Reg 153/04 (July 2011)	APHA 2510 B

Water samples can be measured directly by immersing the conductivity cell into the sample.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Water	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-L

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT Water F1-O.Reg 153/04 (July 2011) E3398/CCME TIER 1-HS

Fraction F1 is determined by analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT Water F2-F4-O.Reg 153/04 (July 2011) MOE DECPH-E3398/CCME TIER 1

Petroleum Hydrocarbons (F2-F4 fractions) are extracted from water using a hexane micro-extraction technique. Instrumental analysis is by GC-FID, as per the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Tier 1 Method, CCME, 2001.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-D-UG/L-CVAA-WT Water Diss. Mercury in Water by CVAAS (ug/L) EPA 1631E (mod)

Water samples are filtered (0.45 um), preserved with hydrochloric acid, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-D-UG/L-MS-WT Water Diss. Metals in Water by ICPMS (ug/L) EPA 200.8

The metal constituents of a non-acidified sample that pass through a membrane filter prior to ICP/MS analysis.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT Water PAH-Calculated Parameters SW846 8270

PAH-511-WT Water PAH-O. Reg 153/04 (July 2011) SW846 3510/8270

Aqueous samples, fortified with surrogates, are extracted using liquid/liquid extraction technique. The sample extracts are concentrated and then analyzed using GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PH-WT Water pH APHA 4500 H-Electrode

Water samples are analyzed directly by a calibrated pH meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011). Holdtime for samples under this regulation is 28 days

VOC-1,3-DCP-CALC-WT Water Regulation 153 VOCs SW8260B/SW8270C

VOC-511-HS-WT Water VOC by GCMS HS O.Reg 153/04 (July 2011) SW846 8260

Liquid samples are analyzed by headspace GC/MSD.

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC-WT	Water	Sum of Xylene Isomer Concentrations	CALCULATION

Total xylenes represents the sum of o-xylene and m&p-xylene.

**ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody Numbers:

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.

Quality Control Report

Workorder: L1916592 Report Date: 02-MAY-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3

Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CL-IC-N-WT	**Water**							
Batch R3710968								
WG2518726-4 DUP		**L1916592-5**						
Chloride (Cl)		25.7	26.3		mg/L	2.4	20	28-APR-17
WG2518726-9 DUP		**WG2518726-10**						
Chloride (Cl)		137	138		mg/L	1.3	20	28-APR-17
WG2518726-2 LCS								
Chloride (Cl)			103.2		%		90-110	28-APR-17
WG2518726-7 LCS								
Chloride (Cl)			104.8		%		90-110	28-APR-17
WG2518726-1 MB								
Chloride (Cl)			<0.50		mg/L		0.5	28-APR-17
WG2518726-6 MB								
Chloride (Cl)			<0.50		mg/L		0.5	28-APR-17
WG2518726-5 MS		**L1916592-5**						
Chloride (Cl)			104.0		%		75-125	28-APR-17
WG2518726-8 MS		**WG2518726-10**						
Chloride (Cl)			N/A	MS-B	%		-	28-APR-17
CN-WAD-R511-WT	**Water**							
Batch R3710862								
WG2519965-3 DUP		**L1916592-1**						
Cyanide, Weak Acid Diss		<2.0	<2.0	RPD-NA	ug/L	N/A	20	28-APR-17
WG2519965-7 DUP		**L1916592-14**						
Cyanide, Weak Acid Diss		<2.0	<2.0	RPD-NA	ug/L	N/A	20	28-APR-17
WG2519965-2 LCS								
Cyanide, Weak Acid Diss			94.0		%		80-120	28-APR-17
WG2519965-6 LCS								
Cyanide, Weak Acid Diss			95.0		%		80-120	28-APR-17
WG2519965-1 MB								
Cyanide, Weak Acid Diss			<2.0		ug/L		2	28-APR-17
WG2519965-5 MB								
Cyanide, Weak Acid Diss			<2.0		ug/L		2	28-APR-17
WG2519965-4 MS		**L1916592-1**						
Cyanide, Weak Acid Diss			81.4		%		70-130	28-APR-17
WG2519965-8 MS		**L1916592-14**						
Cyanide, Weak Acid Diss			95.7		%		70-130	28-APR-17
CR-CR6-IC-R511-WT	**Water**							

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CR-CR6-IC-R511-WT	**Water**							
Batch R3708124								
WG2516570-14 DUP		**WG2516570-13**						
Chromium, Hexavalent		<1.0	<1.0	RPD-NA	ug/L	N/A	20	25-APR-17
WG2516570-9 DUP		**WG2516570-8**						
Chromium, Hexavalent		<1.0	<1.0	RPD-NA	ug/L	N/A	20	25-APR-17
WG2516570-12 LCS								
Chromium, Hexavalent			101.1		%		80-120	25-APR-17
WG2516570-7 LCS								
Chromium, Hexavalent			101.3		%		80-120	25-APR-17
WG2516570-11 MB								
Chromium, Hexavalent			<1.0		ug/L		1	25-APR-17
WG2516570-6 MB								
Chromium, Hexavalent			<1.0		ug/L		1	25-APR-17
WG2516570-10 MS		**WG2516570-8**						
Chromium, Hexavalent			97.8		%		70-130	25-APR-17
WG2516570-15 MS		**WG2516570-13**						
Chromium, Hexavalent			99.3		%		70-130	25-APR-17
EC-R511-WT	**Water**							
Batch R3708077								
WG2516333-3 DUP		**WG2516333-2**						
Conductivity		0.501	0.504		mS/cm	0.4	10	25-APR-17
WG2516333-8 DUP		**WG2516333-7**						
Conductivity		0.913	0.913		mS/cm	0.0	10	25-APR-17
WG2516333-1 LCS								
Conductivity			104.6		%		90-110	25-APR-17
WG2516333-5 LCS								
Conductivity			104.6		%		90-110	25-APR-17
WG2516333-4 MB								
Conductivity			<0.0030		mS/cm		0.003	25-APR-17
WG2516333-6 MB								
Conductivity			<0.0030		mS/cm		0.003	25-APR-17
F1-HS-511-WT	**Water**							
Batch R3708097								
WG2513087-4 DUP		**WG2513087-3**						
F1 (C6-C10)		<25	<25	RPD-NA	ug/L	N/A	30	26-APR-17
WG2513087-1 LCS								
F1 (C6-C10)			101.9		%		80-120	26-APR-17
WG2513087-2 MB								
F1 (C6-C10)			<25		ug/L		25	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-HS-511-WT	**Water**							
Batch R3708097								
WG2513087-2 MB								
Surrogate: 3,4-Dichlorotoluene			91.9		%		60-140	26-APR-17
WG2513087-5 MS		**WG2513087-3**						
F1 (C6-C10)			93.9		%		60-140	26-APR-17
Batch R3708099								
WG2514702-4 DUP		**WG2514702-3**						
F1 (C6-C10)		<25	<25	RPD-NA	ug/L	N/A	30	26-APR-17
WG2514702-1 LCS								
F1 (C6-C10)			92.6		%		80-120	26-APR-17
WG2514702-2 MB								
F1 (C6-C10)			<25		ug/L		25	26-APR-17
Surrogate: 3,4-Dichlorotoluene			89.0		%		60-140	26-APR-17
WG2514702-5 MS		**WG2514702-3**						
F1 (C6-C10)			89.6		%		60-140	26-APR-17
Batch R3708128								
WG2514703-4 DUP		**WG2514703-3**						
F1 (C6-C10)		<25	<25	RPD-NA	ug/L	N/A	30	26-APR-17
WG2514703-1 LCS								
F1 (C6-C10)			100.5		%		80-120	26-APR-17
WG2514703-2 MB								
F1 (C6-C10)			<25		ug/L		25	26-APR-17
Surrogate: 3,4-Dichlorotoluene			91.1		%		60-140	26-APR-17
WG2514703-5 MS		**WG2514703-3**						
F1 (C6-C10)			74.5		%		60-140	26-APR-17
F2-F4-511-WT	**Water**							
Batch R3710625								
WG2517905-2 LCS								
F2 (C10-C16)			102.8		%		70-130	28-APR-17
F3 (C16-C34)			99.6		%		70-130	28-APR-17
F4 (C34-C50)			100.7		%		70-130	28-APR-17
WG2517905-3 LCSD		**WG2517905-2**						
F2 (C10-C16)		102.8	109.1		%	6.0	50	28-APR-17
F3 (C16-C34)		99.6	104.6		%	4.9	50	28-APR-17
F4 (C34-C50)		100.7	105.7		%	4.8	50	28-APR-17
WG2517905-1 MB								
F2 (C10-C16)			<100		ug/L		100	28-APR-17
F3 (C16-C34)			<250		ug/L		250	28-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT	**Water**							
Batch R3710625								
WG2517905-1 MB								
F4 (C34-C50)			<250		ug/L		250	28-APR-17
Surrogate: 2-Bromobenzotrifluoride			104.9		%		60-140	28-APR-17
Batch R3710633								
WG2517902-2 LCS								
F2 (C10-C16)			109.3		%		70-130	28-APR-17
F3 (C16-C34)			106.1		%		70-130	28-APR-17
F4 (C34-C50)			107.1		%		70-130	28-APR-17
WG2517902-3 LCSD		**WG2517902-2**						
F2 (C10-C16)		109.3	101.7		%	7.2	50	28-APR-17
F3 (C16-C34)		106.1	98.9		%	7.1	50	28-APR-17
F4 (C34-C50)		107.1	100.1		%	6.8	50	28-APR-17
WG2517902-1 MB								
F2 (C10-C16)			<100		ug/L		100	28-APR-17
F3 (C16-C34)			<250		ug/L		250	28-APR-17
F4 (C34-C50)			<250		ug/L		250	28-APR-17
Surrogate: 2-Bromobenzotrifluoride			98.5		%		60-140	28-APR-17
HG-D-UG/L-CVAA-WT	**Water**							
Batch R3707750								
WG2516403-3 DUP		**L1916494-1**						
Mercury (Hg)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	25-APR-17
WG2516403-2 LCS								
Mercury (Hg)-Dissolved			101.0		%		80-120	25-APR-17
WG2516403-1 MB								
Mercury (Hg)-Dissolved			<0.010		ug/L		0.01	25-APR-17
WG2516403-4 MS		**L1916494-2**						
Mercury (Hg)-Dissolved			94.5		%		70-130	25-APR-17
Batch R3708335								
WG2516580-4 DUP		**WG2516580-3**						
Mercury (Hg)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	26-APR-17
WG2516580-2 LCS								
Mercury (Hg)-Dissolved			106.0		%		80-120	26-APR-17
WG2516580-1 MB								
Mercury (Hg)-Dissolved			<0.010		ug/L		0.01	26-APR-17
WG2516580-6 MS		**WG2516580-5**						
Mercury (Hg)-Dissolved			94.4		%		70-130	26-APR-17
MET-D-UG/L-MS-WT	**Water**							

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT	**Water**							
Batch R3708089								
WG2516417-4 DUP		**WG2516417-3**						
Antimony (Sb)-Dissolved		0.13	0.13		ug/L	3.2	20	25-APR-17
Arsenic (As)-Dissolved		1.73	1.74		ug/L	0.4	20	25-APR-17
Barium (Ba)-Dissolved		205	208		ug/L	1.5	20	25-APR-17
Beryllium (Be)-Dissolved		<0.10	<0.10	RPD-NA	ug/L	N/A	20	25-APR-17
Boron (B)-Dissolved		52	53		ug/L	1.5	20	25-APR-17
Cadmium (Cd)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	25-APR-17
Chromium (Cr)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	25-APR-17
Cobalt (Co)-Dissolved		0.23	0.22		ug/L	4.2	20	25-APR-17
Copper (Cu)-Dissolved		0.66	0.62		ug/L	5.5	20	25-APR-17
Lead (Pb)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	25-APR-17
Molybdenum (Mo)-Dissolved		4.94	5.03		ug/L	1.7	20	25-APR-17
Nickel (Ni)-Dissolved		0.52	0.53		ug/L	1.3	20	25-APR-17
Selenium (Se)-Dissolved		0.071	0.078		ug/L	8.3	20	25-APR-17
Silver (Ag)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	25-APR-17
Sodium (Na)-Dissolved		179000	175000		ug/L	2.4	20	25-APR-17
Thallium (Tl)-Dissolved		0.011	<0.010	RPD-NA	ug/L	N/A	20	25-APR-17
Uranium (U)-Dissolved		0.403	0.396		ug/L	1.8	20	25-APR-17
Vanadium (V)-Dissolved		0.86	0.85		ug/L	1.1	20	25-APR-17
Zinc (Zn)-Dissolved		1.1	1.1		ug/L	1.2	20	25-APR-17
WG2516417-2 LCS								
Antimony (Sb)-Dissolved			102.7		%		80-120	25-APR-17
Arsenic (As)-Dissolved			99.9		%		80-120	25-APR-17
Barium (Ba)-Dissolved			106.3		%		80-120	25-APR-17
Beryllium (Be)-Dissolved			100.6		%		80-120	25-APR-17
Boron (B)-Dissolved			99.7		%		80-120	25-APR-17
Cadmium (Cd)-Dissolved			100.0		%		80-120	25-APR-17
Chromium (Cr)-Dissolved			101.3		%		80-120	25-APR-17
Cobalt (Co)-Dissolved			98.6		%		80-120	25-APR-17
Copper (Cu)-Dissolved			95.7		%		80-120	25-APR-17
Lead (Pb)-Dissolved			99.0		%		80-120	25-APR-17
Molybdenum (Mo)-Dissolved			96.3		%		80-120	25-APR-17
Nickel (Ni)-Dissolved			98.2		%		80-120	25-APR-17
Selenium (Se)-Dissolved			97.1		%		80-120	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT	**Water**							
Batch R3708089								
WG2516417-2 LCS								
Silver (Ag)-Dissolved			100.4		%		80-120	25-APR-17
Sodium (Na)-Dissolved			103.5		%		80-120	25-APR-17
Thallium (Tl)-Dissolved			96.8		%		80-120	25-APR-17
Uranium (U)-Dissolved			100.1		%		80-120	25-APR-17
Vanadium (V)-Dissolved			102.8		%		80-120	25-APR-17
Zinc (Zn)-Dissolved			95.2		%		80-120	25-APR-17
WG2516417-1 MB								
Antimony (Sb)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Arsenic (As)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Barium (Ba)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Beryllium (Be)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Boron (B)-Dissolved			<10		ug/L		10	25-APR-17
Cadmium (Cd)-Dissolved			<0.010		ug/L		0.01	25-APR-17
Chromium (Cr)-Dissolved			<0.50		ug/L		0.5	25-APR-17
Cobalt (Co)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Copper (Cu)-Dissolved			<0.20		ug/L		0.2	25-APR-17
Lead (Pb)-Dissolved			<0.050		ug/L		0.05	25-APR-17
Molybdenum (Mo)-Dissolved			<0.050		ug/L		0.05	25-APR-17
Nickel (Ni)-Dissolved			<0.50		ug/L		0.5	25-APR-17
Selenium (Se)-Dissolved			<0.050		ug/L		0.05	25-APR-17
Silver (Ag)-Dissolved			<0.050		ug/L		0.05	25-APR-17
Sodium (Na)-Dissolved			<500		ug/L		500	25-APR-17
Thallium (Tl)-Dissolved			<0.010		ug/L		0.01	25-APR-17
Uranium (U)-Dissolved			<0.010		ug/L		0.01	25-APR-17
Vanadium (V)-Dissolved			<0.50		ug/L		0.5	25-APR-17
Zinc (Zn)-Dissolved			<1.0		ug/L		1	25-APR-17
WG2516417-5 MS		**WG2516417-3**						
Antimony (Sb)-Dissolved			101.2		%		70-130	25-APR-17
Arsenic (As)-Dissolved			103.4		%		70-130	25-APR-17
Barium (Ba)-Dissolved			N/A	MS-B	%		-	25-APR-17
Beryllium (Be)-Dissolved			101.7		%		70-130	25-APR-17
Boron (B)-Dissolved			N/A	MS-B	%		-	25-APR-17
Cadmium (Cd)-Dissolved			98.7		%		70-130	25-APR-17
Chromium (Cr)-Dissolved			96.9		%		70-130	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT	**Water**							
Batch R3708089								
WG2516417-5 MS		**WG2516417-3**						
Cobalt (Co)-Dissolved			91.1		%		70-130	25-APR-17
Copper (Cu)-Dissolved			87.9		%		70-130	25-APR-17
Lead (Pb)-Dissolved			93.2		%		70-130	25-APR-17
Molybdenum (Mo)-Dissolved			93.0		%		70-130	25-APR-17
Nickel (Ni)-Dissolved			88.1		%		70-130	25-APR-17
Selenium (Se)-Dissolved			102.5		%		70-130	25-APR-17
Silver (Ag)-Dissolved			92.2		%		70-130	25-APR-17
Sodium (Na)-Dissolved			N/A	MS-B	%		-	25-APR-17
Thallium (Tl)-Dissolved			90.9		%		70-130	25-APR-17
Uranium (U)-Dissolved			N/A	MS-B	%		-	25-APR-17
Vanadium (V)-Dissolved			103.0		%		70-130	25-APR-17
Zinc (Zn)-Dissolved			93.3		%		70-130	25-APR-17
Batch R3708092								
WG2516587-4 DUP		**WG2516587-3**						
Antimony (Sb)-Dissolved		<0.10	<0.10	RPD-NA	ug/L	N/A	20	25-APR-17
Arsenic (As)-Dissolved		0.71	0.71		ug/L	0.6	20	25-APR-17
Barium (Ba)-Dissolved		88.4	85.3		ug/L	3.5	20	25-APR-17
Beryllium (Be)-Dissolved		<0.10	<0.10	RPD-NA	ug/L	N/A	20	25-APR-17
Boron (B)-Dissolved		52	53		ug/L	1.4	20	25-APR-17
Cadmium (Cd)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	25-APR-17
Chromium (Cr)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	25-APR-17
Cobalt (Co)-Dissolved		0.13	0.13		ug/L	0.9	20	25-APR-17
Copper (Cu)-Dissolved		0.92	0.92		ug/L	0.8	20	25-APR-17
Lead (Pb)-Dissolved		0.058	0.055		ug/L	5.5	20	25-APR-17
Molybdenum (Mo)-Dissolved		0.520	0.522		ug/L	0.5	20	25-APR-17
Nickel (Ni)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	25-APR-17
Selenium (Se)-Dissolved		0.368	0.372		ug/L	1.0	20	25-APR-17
Silver (Ag)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	25-APR-17
Sodium (Na)-Dissolved		75000	75700		ug/L	1.0	20	25-APR-17
Thallium (Tl)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	25-APR-17
Uranium (U)-Dissolved		1.01	1.02		ug/L	0.8	20	25-APR-17
Vanadium (V)-Dissolved		1.02	1.05		ug/L	2.8	20	25-APR-17
Zinc (Zn)-Dissolved		1.9	1.4	J	ug/L	0.5	2	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT	**Water**							
Batch	**R3708092**							
WG2516587-2	**LCS**							
Antimony (Sb)-Dissolved			95.8		%		80-120	25-APR-17
Arsenic (As)-Dissolved			96.2		%		80-120	25-APR-17
Barium (Ba)-Dissolved			95.6		%		80-120	25-APR-17
Beryllium (Be)-Dissolved			101.3		%		80-120	25-APR-17
Boron (B)-Dissolved			99.1		%		80-120	25-APR-17
Cadmium (Cd)-Dissolved			96.4		%		80-120	25-APR-17
Chromium (Cr)-Dissolved			93.4		%		80-120	25-APR-17
Cobalt (Co)-Dissolved			93.2		%		80-120	25-APR-17
Copper (Cu)-Dissolved			90.2		%		80-120	25-APR-17
Lead (Pb)-Dissolved			99.1		%		80-120	25-APR-17
Molybdenum (Mo)-Dissolved			93.6		%		80-120	25-APR-17
Nickel (Ni)-Dissolved			92.9		%		80-120	25-APR-17
Selenium (Se)-Dissolved			91.4		%		80-120	25-APR-17
Silver (Ag)-Dissolved			99.5		%		80-120	25-APR-17
Sodium (Na)-Dissolved			97.0		%		80-120	25-APR-17
Thallium (Tl)-Dissolved			96.0		%		80-120	25-APR-17
Uranium (U)-Dissolved			100.6		%		80-120	25-APR-17
Vanadium (V)-Dissolved			95.0		%		80-120	25-APR-17
Zinc (Zn)-Dissolved			92.7		%		80-120	25-APR-17
WG2516587-1	**MB**							
Antimony (Sb)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Arsenic (As)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Barium (Ba)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Beryllium (Be)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Boron (B)-Dissolved			<10		ug/L		10	25-APR-17
Cadmium (Cd)-Dissolved			<0.010		ug/L		0.01	25-APR-17
Chromium (Cr)-Dissolved			<0.50		ug/L		0.5	25-APR-17
Cobalt (Co)-Dissolved			<0.10		ug/L		0.1	25-APR-17
Copper (Cu)-Dissolved			<0.20		ug/L		0.2	25-APR-17
Lead (Pb)-Dissolved			<0.050		ug/L		0.05	25-APR-17
Molybdenum (Mo)-Dissolved			<0.050		ug/L		0.05	25-APR-17
Nickel (Ni)-Dissolved			<0.50		ug/L		0.5	25-APR-17
Selenium (Se)-Dissolved			<0.050		ug/L		0.05	25-APR-17
Silver (Ag)-Dissolved			<0.050		ug/L		0.05	25-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT	**Water**							
Batch R3708092								
WG2516587-1 MB								
Sodium (Na)-Dissolved			<500		ug/L		500	25-APR-17
Thallium (Tl)-Dissolved			<0.010		ug/L		0.01	25-APR-17
Uranium (U)-Dissolved			<0.010		ug/L		0.01	25-APR-17
Vanadium (V)-Dissolved			<0.50		ug/L		0.5	25-APR-17
Zinc (Zn)-Dissolved			<1.0		ug/L		1	25-APR-17
WG2516587-5 MS		**WG2516587-3**						
Antimony (Sb)-Dissolved			96.6		%		70-130	25-APR-17
Arsenic (As)-Dissolved			103.3		%		70-130	25-APR-17
Barium (Ba)-Dissolved			N/A	MS-B	%		-	25-APR-17
Beryllium (Be)-Dissolved			99.5		%		70-130	25-APR-17
Boron (B)-Dissolved			N/A	MS-B	%		-	25-APR-17
Cadmium (Cd)-Dissolved			95.9		%		70-130	25-APR-17
Chromium (Cr)-Dissolved			91.6		%		70-130	25-APR-17
Cobalt (Co)-Dissolved			89.8		%		70-130	25-APR-17
Copper (Cu)-Dissolved			84.5		%		70-130	25-APR-17
Lead (Pb)-Dissolved			91.2		%		70-130	25-APR-17
Molybdenum (Mo)-Dissolved			94.1		%		70-130	25-APR-17
Nickel (Ni)-Dissolved			87.7		%		70-130	25-APR-17
Selenium (Se)-Dissolved			108.3		%		70-130	25-APR-17
Silver (Ag)-Dissolved			91.6		%		70-130	25-APR-17
Sodium (Na)-Dissolved			N/A	MS-B	%		-	25-APR-17
Thallium (Tl)-Dissolved			90.1		%		70-130	25-APR-17
Uranium (U)-Dissolved			N/A	MS-B	%		-	25-APR-17
Vanadium (V)-Dissolved			96.5		%		70-130	25-APR-17
Zinc (Zn)-Dissolved			87.4		%		70-130	25-APR-17
PAH-511-WT	**Water**							
Batch R3709053								
WG2516984-2 LCS								
1-Methylnaphthalene			88.8		%		50-140	27-APR-17
2-Methylnaphthalene			95.0		%		50-140	27-APR-17
Acenaphthene			92.2		%		50-140	27-APR-17
Acenaphthylene			90.9		%		50-140	27-APR-17
Anthracene			89.0		%		50-140	27-APR-17
Benzo(a)anthracene			95.9		%		50-140	27-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Water**							
Batch R3709053								
WG2516984-2 LCS								
Benzo(a)pyrene			96.0		%		50-140	27-APR-17
Benzo(b)fluoranthene			92.5		%		50-140	27-APR-17
Benzo(g,h,i)perylene			94.0		%		50-140	27-APR-17
Benzo(k)fluoranthene			89.0		%		50-140	27-APR-17
Chrysene			94.2		%		50-140	27-APR-17
Dibenzo(ah)anthracene			95.7		%		50-140	27-APR-17
Fluoranthene			96.5		%		50-140	27-APR-17
Fluorene			90.5		%		50-140	27-APR-17
Indeno(1,2,3-cd)pyrene			92.2		%		50-140	27-APR-17
Naphthalene			92.5		%		50-140	27-APR-17
Phenanthrene			86.7		%		50-140	27-APR-17
Pyrene			100.4		%		50-140	27-APR-17
WG2516984-3 LCSD		**WG2516984-2**						
1-Methylnaphthalene		88.8	80.8		%	9.5	50	27-APR-17
2-Methylnaphthalene		95.0	86.1		%	9.8	50	27-APR-17
Acenaphthene		92.2	87.7		%	5.0	50	27-APR-17
Acenaphthylene		90.9	89.2		%	1.9	50	27-APR-17
Anthracene		89.0	85.2		%	4.3	50	27-APR-17
Benzo(a)anthracene		95.9	95.6		%	0.3	50	27-APR-17
Benzo(a)pyrene		96.0	94.4		%	1.7	50	27-APR-17
Benzo(b)fluoranthene		92.5	89.5		%	3.3	50	27-APR-17
Benzo(g,h,i)perylene		94.0	91.8		%	2.4	50	27-APR-17
Benzo(k)fluoranthene		89.0	85.2		%	4.3	50	27-APR-17
Chrysene		94.2	93.9		%	0.4	50	27-APR-17
Dibenzo(ah)anthracene		95.7	92.8		%	3.1	50	27-APR-17
Fluoranthene		96.5	95.2		%	1.3	50	27-APR-17
Fluorene		90.5	89.4		%	1.2	50	27-APR-17
Indeno(1,2,3-cd)pyrene		92.2	90.9		%	1.4	50	27-APR-17
Naphthalene		92.5	80.9		%	13	50	27-APR-17
Phenanthrene		86.7	83.2		%	4.1	50	27-APR-17
Pyrene		100.4	99.5		%	0.9	50	27-APR-17
WG2516984-1 MB								
1-Methylnaphthalene			<0.020		ug/L		0.02	27-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Water**							
Batch R3709053								
WG2516984-1 MB								
2-Methylnaphthalene			<0.020		ug/L		0.02	27-APR-17
Acenaphthene			<0.020		ug/L		0.02	27-APR-17
Acenaphthylene			<0.020		ug/L		0.02	27-APR-17
Anthracene			<0.020		ug/L		0.02	27-APR-17
Benzo(a)anthracene			<0.020		ug/L		0.02	27-APR-17
Benzo(a)pyrene			<0.010		ug/L		0.01	27-APR-17
Benzo(b)fluoranthene			<0.020		ug/L		0.02	27-APR-17
Benzo(g,h,i)perylene			<0.020		ug/L		0.02	27-APR-17
Benzo(k)fluoranthene			<0.020		ug/L		0.02	27-APR-17
Chrysene			<0.020		ug/L		0.02	27-APR-17
Dibenzo(ah)anthracene			<0.020		ug/L		0.02	27-APR-17
Fluoranthene			<0.020		ug/L		0.02	27-APR-17
Fluorene			<0.020		ug/L		0.02	27-APR-17
Indeno(1,2,3-cd)pyrene			<0.020		ug/L		0.02	27-APR-17
Naphthalene			<0.050		ug/L		0.05	27-APR-17
Phenanthrene			<0.020		ug/L		0.02	27-APR-17
Pyrene			<0.020		ug/L		0.02	27-APR-17
Surrogate: d8-Naphthalene			96.7		%		60-140	27-APR-17
Surrogate: d10-Phenanthrene			93.3		%		60-140	27-APR-17
Surrogate: d12-Chrysene			93.3		%		60-140	27-APR-17
Surrogate: d10-Acenaphthene			94.2		%		60-140	27-APR-17
Batch R3709948								
WG2516920-2 LCS								
1-Methylnaphthalene			78.0		%		50-140	01-MAY-17
2-Methylnaphthalene			78.9		%		50-140	01-MAY-17
Acenaphthene			81.8		%		50-140	01-MAY-17
Acenaphthylene			78.7		%		50-140	01-MAY-17
Anthracene			85.7		%		50-140	01-MAY-17
Benzo(a)anthracene			80.3		%		50-140	01-MAY-17
Benzo(a)pyrene			82.9		%		50-140	01-MAY-17
Benzo(b)fluoranthene			80.7		%		50-140	01-MAY-17
Benzo(g,h,i)perylene			74.6		%		50-140	01-MAY-17
Benzo(k)fluoranthene			79.0		%		50-140	01-MAY-17
Chrysene			81.5		%		50-140	01-MAY-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Water**							
Batch R3709948								
WG2516920-2 LCS								
Dibenzo(ah)anthracene			81.8		%		50-140	01-MAY-17
Fluoranthene			82.0		%		50-140	01-MAY-17
Fluorene			79.0		%		50-140	01-MAY-17
Indeno(1,2,3-cd)pyrene			77.7		%		50-140	01-MAY-17
Naphthalene			74.1		%		50-140	01-MAY-17
Phenanthrene			84.5		%		50-140	01-MAY-17
Pyrene			85.4		%		50-140	01-MAY-17
WG2516920-3 LCSD		**WG2516920-2**						
1-Methylnaphthalene		78.0	80.8		%	3.5	50	01-MAY-17
2-Methylnaphthalene		78.9	83.2		%	5.3	50	01-MAY-17
Acenaphthene		81.8	81.3		%	0.6	50	01-MAY-17
Acenaphthylene		78.7	79.1		%	0.4	50	01-MAY-17
Anthracene		85.7	85.2		%	0.6	50	01-MAY-17
Benzo(a)anthracene		80.3	81.5		%	1.5	50	01-MAY-17
Benzo(a)pyrene		82.9	85.7		%	3.4	50	01-MAY-17
Benzo(b)fluoranthene		80.7	82.8		%	2.6	50	01-MAY-17
Benzo(g,h,i)perylene		74.6	82.7		%	10	50	01-MAY-17
Benzo(k)fluoranthene		79.0	81.3		%	2.8	50	01-MAY-17
Chrysene		81.5	82.4		%	1.0	50	01-MAY-17
Dibenzo(ah)anthracene		81.8	84.5		%	3.2	50	01-MAY-17
Fluoranthene		82.0	82.4		%	0.5	50	01-MAY-17
Fluorene		79.0	79.6		%	0.8	50	01-MAY-17
Indeno(1,2,3-cd)pyrene		77.7	78.8		%	1.5	50	01-MAY-17
Naphthalene		74.1	81.3		%	9.2	50	01-MAY-17
Phenanthrene		84.5	84.0		%	0.5	50	01-MAY-17
Pyrene		85.4	85.9		%	0.5	50	01-MAY-17
WG2516920-1 MB								
1-Methylnaphthalene			<0.020		ug/L		0.02	01-MAY-17
2-Methylnaphthalene			<0.020		ug/L		0.02	01-MAY-17
Acenaphthene			<0.020		ug/L		0.02	01-MAY-17
Acenaphthylene			<0.020		ug/L		0.02	01-MAY-17
Anthracene			<0.020		ug/L		0.02	01-MAY-17
Benzo(a)anthracene			<0.020		ug/L		0.02	01-MAY-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Water**							
Batch R3709948								
WG2516920-1 MB								
Benzo(a)pyrene			<0.010		ug/L		0.01	01-MAY-17
Benzo(b)fluoranthene			<0.020		ug/L		0.02	01-MAY-17
Benzo(g,h,i)perylene			<0.020		ug/L		0.02	01-MAY-17
Benzo(k)fluoranthene			<0.020		ug/L		0.02	01-MAY-17
Chrysene			<0.020		ug/L		0.02	01-MAY-17
Dibenzo(ah)anthracene			<0.020		ug/L		0.02	01-MAY-17
Fluoranthene			<0.020		ug/L		0.02	01-MAY-17
Fluorene			<0.020		ug/L		0.02	01-MAY-17
Indeno(1,2,3-cd)pyrene			<0.020		ug/L		0.02	01-MAY-17
Naphthalene			<0.050		ug/L		0.05	01-MAY-17
Phenanthrene			<0.020		ug/L		0.02	01-MAY-17
Pyrene			<0.020		ug/L		0.02	01-MAY-17
Surrogate: d8-Naphthalene			110.6		%		60-140	01-MAY-17
Surrogate: d10-Phenanthrene			111.4		%		60-140	01-MAY-17
Surrogate: d12-Chrysene			101.9		%		60-140	01-MAY-17
Surrogate: d10-Acenaphthene			102.2		%		60-140	01-MAY-17
PH-WT	**Water**							
Batch R3708077								
WG2516333-3 DUP		**WG2516333-2**						
pH		8.06	8.06	J	pH units	0.01	0.2	25-APR-17
WG2516333-8 DUP		**WG2516333-7**						
pH		7.51	7.46	J	pH units	0.05	0.2	25-APR-17
WG2516333-1 LCS								
pH			6.99		pH units		6.9-7.1	25-APR-17
WG2516333-5 LCS								
pH			6.99		pH units		6.9-7.1	25-APR-17
VOC-511-HS-WT	**Water**							
Batch R3708097								
WG2513087-4 DUP		**WG2513087-3**						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708097								
WG2513087-4 DUP		**WG2513087-3**						
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	26-APR-17
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	26-APR-17
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	26-APR-17
cis-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	26-APR-17
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	26-APR-17
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	26-APR-17
Methylene Chloride		<5.0	<6.3	RPD-NA	ug/L	N/A	30	26-APR-17
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Trichloroethylene		<0.50	<0.50		ug/L			26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708097								
WG2513087-4 DUP		**WG2513087-3**						
Trichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
Vinyl chloride		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
WG2513087-1 LCS								
1,1,1,2-Tetrachloroethane			93.2		%		70-130	26-APR-17
1,1,2,2-Tetrachloroethane			86.6		%		70-130	26-APR-17
1,1,1-Trichloroethane			109.1		%		70-130	26-APR-17
1,1,2-Trichloroethane			90.5		%		70-130	26-APR-17
1,1-Dichloroethane			106.4		%		70-130	26-APR-17
1,1-Dichloroethylene			105.7		%		70-130	26-APR-17
1,2-Dibromoethane			87.9		%		70-130	26-APR-17
1,2-Dichlorobenzene			97.8		%		70-130	26-APR-17
1,2-Dichloroethane			100.4		%		70-130	26-APR-17
1,2-Dichloropropane			103.1		%		70-130	26-APR-17
1,3-Dichlorobenzene			101.2		%		70-130	26-APR-17
1,4-Dichlorobenzene			103.6		%		70-130	26-APR-17
Acetone			104.1		%		60-140	26-APR-17
Benzene			107.6		%		70-130	26-APR-17
Bromodichloromethane			101.2		%		70-130	26-APR-17
Bromoform			85.5		%		70-130	26-APR-17
Bromomethane			105.8		%		60-140	26-APR-17
Carbon tetrachloride			109.5		%		70-130	26-APR-17
Chlorobenzene			98.4		%		70-130	26-APR-17
Chloroform			107.6		%		70-130	26-APR-17
cis-1,2-Dichloroethylene			106.4		%		70-130	26-APR-17
cis-1,3-Dichloropropene			98.6		%		70-130	26-APR-17
Dibromochloromethane			95.1		%		70-130	26-APR-17
Dichlorodifluoromethane			79.4		%		50-140	26-APR-17
Ethylbenzene			98.1		%		70-130	26-APR-17
n-Hexane			115.4		%		70-130	26-APR-17
m+p-Xylenes			101.5		%		70-130	26-APR-17
Methyl Ethyl Ketone			98.9		%		60-140	26-APR-17
Methyl Isobutyl Ketone			89.2		%		60-140	26-APR-17
Methylene Chloride			110.0				70-130	

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708097								
WG2513087-1 LCS								
Methylene Chloride			110.0		%		70-130	26-APR-17
MTBE			98.9		%		70-130	26-APR-17
o-Xylene			98.1		%		70-130	26-APR-17
Styrene			96.3		%		70-130	26-APR-17
Tetrachloroethylene			99.4		%		70-130	26-APR-17
Toluene			92.1		%		70-130	26-APR-17
trans-1,2-Dichloroethylene			112.0		%		70-130	26-APR-17
trans-1,3-Dichloropropene			85.9		%		70-130	26-APR-17
Trichloroethylene			106.4		%		70-130	26-APR-17
Trichlorofluoromethane			109.7		%		60-140	26-APR-17
Vinyl chloride			96.5		%		60-140	26-APR-17
WG2513087-2 MB								
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,1-Trichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,2-Trichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1-Dichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
1,2-Dibromoethane			<0.20		ug/L		0.2	26-APR-17
1,2-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
1,2-Dichloroethane			<0.50		ug/L		0.5	26-APR-17
1,2-Dichloropropane			<0.50		ug/L		0.5	26-APR-17
1,3-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
1,4-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
Acetone			<30		ug/L		30	26-APR-17
Benzene			<0.50		ug/L		0.5	26-APR-17
Bromodichloromethane			<2.0		ug/L		2	26-APR-17
Bromoform			<5.0		ug/L		5	26-APR-17
Bromomethane			<0.50		ug/L		0.5	26-APR-17
Carbon tetrachloride			<0.20		ug/L		0.2	26-APR-17
Chlorobenzene			<0.50		ug/L		0.5	26-APR-17
Chloroform			<1.0		ug/L		1	26-APR-17
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708097								
WG2513087-2 MB								
Dibromochloromethane			<2.0		ug/L		2	26-APR-17
Dichlorodifluoromethane			<2.0		ug/L		2	26-APR-17
Ethylbenzene			<0.50		ug/L		0.5	26-APR-17
n-Hexane			<0.50		ug/L		0.5	26-APR-17
m+p-Xylenes			<0.40		ug/L		0.4	26-APR-17
Methyl Ethyl Ketone			<20		ug/L		20	26-APR-17
Methyl Isobutyl Ketone			<20		ug/L		20	26-APR-17
Methylene Chloride			<5.0		ug/L		5	26-APR-17
MTBE			<2.0		ug/L		2	26-APR-17
o-Xylene			<0.30		ug/L		0.3	26-APR-17
Styrene			<0.50		ug/L		0.5	26-APR-17
Tetrachloroethylene			<0.50		ug/L		0.5	26-APR-17
Toluene			<0.50		ug/L		0.5	26-APR-17
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	26-APR-17
Trichloroethylene			<0.50		ug/L		0.5	26-APR-17
Trichlorofluoromethane			<5.0		ug/L		5	26-APR-17
Vinyl chloride			<0.50		ug/L		0.5	26-APR-17
Surrogate: 1,4-Difluorobenzene			100.8		%		70-130	26-APR-17
Surrogate: 4-Bromofluorobenzene			95.4		%		70-130	26-APR-17
WG2513087-5 MS		**WG2513087-3**						
1,1,1,2-Tetrachloroethane			92.0		%		50-140	26-APR-17
1,1,2,2-Tetrachloroethane			92.5		%		50-140	26-APR-17
1,1,1-Trichloroethane			109.1		%		50-140	26-APR-17
1,1,2-Trichloroethane			92.5		%		50-140	26-APR-17
1,1-Dichloroethane			109.1		%		50-140	26-APR-17
1,1-Dichloroethylene			105.8		%		50-140	26-APR-17
1,2-Dibromoethane			90.5		%		50-140	26-APR-17
1,2-Dichlorobenzene			97.0		%		50-140	26-APR-17
1,2-Dichloroethane			106.7		%		50-140	26-APR-17
1,2-Dichloropropane			106.2		%		50-140	26-APR-17
1,3-Dichlorobenzene			98.2		%		50-140	26-APR-17
1,4-Dichlorobenzene			101.2		%		50-140	26-APR-17
Acetone			106.5		%		50-140	26-APR-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708097								
WG2513087-5 MS		**WG2513087-3**						
Benzene			109.9		%		50-140	26-APR-17
Bromodichloromethane			104.9		%		50-140	26-APR-17
Bromoform			88.3		%		50-140	26-APR-17
Bromomethane			109.4		%		50-140	26-APR-17
Carbon tetrachloride			109.2		%		50-140	26-APR-17
Chlorobenzene			97.3		%		50-140	26-APR-17
Chloroform			110.7		%		50-140	26-APR-17
cis-1,2-Dichloroethylene			108.9		%		50-140	26-APR-17
cis-1,3-Dichloropropene			104.9		%		50-140	26-APR-17
Dibromochloromethane			96.5		%		50-140	26-APR-17
Dichlorodifluoromethane			75.8		%		50-140	26-APR-17
Ethylbenzene			93.0		%		50-140	26-APR-17
n-Hexane			113.4		%		50-140	26-APR-17
m+p-Xylenes			98.0		%		50-140	26-APR-17
Methyl Ethyl Ketone			103.8		%		50-140	26-APR-17
Methyl Isobutyl Ketone			92.5		%		50-140	26-APR-17
Methylene Chloride			113.3		%		50-140	26-APR-17
MTBE			98.3		%		50-140	26-APR-17
o-Xylene			93.6		%		50-140	26-APR-17
Styrene			92.7		%		50-140	26-APR-17
Tetrachloroethylene			96.5		%		50-140	26-APR-17
Toluene			88.3		%		50-140	26-APR-17
trans-1,2-Dichloroethylene			114.3		%		50-140	26-APR-17
trans-1,3-Dichloropropene			88.9		%		50-140	26-APR-17
Trichloroethylene			107.4		%		50-140	26-APR-17
Trichlorofluoromethane			108.7		%		50-140	26-APR-17
Vinyl chloride			95.0		%		50-140	26-APR-17
Batch R3708099								
WG2514702-4 DUP		**WG2514702-3**						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1-Dichloroethane		<0.50	<0.50					

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708099								
WG2514702-4 DUP		**WG2514702-3**						
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	26-APR-17
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	26-APR-17
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	26-APR-17
cis-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	26-APR-17
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	26-APR-17
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	26-APR-17
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
MTBE		12.9	13.2		ug/L	2.4	30	26-APR-17
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
trans-1,3-Dichloropropene		<0.30	<0.30		ug/L			26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708099								
WG2514702-4 DUP		**WG2514702-3**						
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Trichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
Vinyl chloride		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
WG2514702-1 LCS								
1,1,1,2-Tetrachloroethane			96.8		%		70-130	26-APR-17
1,1,2,2-Tetrachloroethane			103.5		%		70-130	26-APR-17
1,1,1-Trichloroethane			101.7		%		70-130	26-APR-17
1,1,2-Trichloroethane			105.2		%		70-130	26-APR-17
1,1-Dichloroethane			101.9		%		70-130	26-APR-17
1,1-Dichloroethylene			96.6		%		70-130	26-APR-17
1,2-Dibromoethane			106.9		%		70-130	26-APR-17
1,2-Dichlorobenzene			98.3		%		70-130	26-APR-17
1,2-Dichloroethane			113.7		%		70-130	26-APR-17
1,2-Dichloropropane			107.8		%		70-130	26-APR-17
1,3-Dichlorobenzene			97.1		%		70-130	26-APR-17
1,4-Dichlorobenzene			99.1		%		70-130	26-APR-17
Acetone			117.2		%		60-140	26-APR-17
Benzene			105.6		%		70-130	26-APR-17
Bromodichloromethane			104.4		%		70-130	26-APR-17
Bromoform			100.5		%		70-130	26-APR-17
Bromomethane			109.8		%		60-140	26-APR-17
Carbon tetrachloride			96.3		%		70-130	26-APR-17
Chlorobenzene			99.4		%		70-130	26-APR-17
Chloroform			104.6		%		70-130	26-APR-17
cis-1,2-Dichloroethylene			104.1		%		70-130	26-APR-17
cis-1,3-Dichloropropene			107.8		%		70-130	26-APR-17
Dibromochloromethane			105.9		%		70-130	26-APR-17
Dichlorodifluoromethane			126.3		%		50-140	26-APR-17
Ethylbenzene			94.2		%		70-130	26-APR-17
n-Hexane			105.9		%		70-130	26-APR-17
m+p-Xylenes			96.7		%		70-130	26-APR-17
Methyl Ethyl Ketone			118.9		%		60-140	26-APR-17
Methyl Isobutyl Ketone			107.8				60-140	

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708099								
WG2514702-1 LCS								
Methyl Isobutyl Ketone			107.8		%		60-140	26-APR-17
Methylene Chloride			108.4		%		70-130	26-APR-17
MTBE			99.4		%		70-130	26-APR-17
o-Xylene			95.6		%		70-130	26-APR-17
Styrene			94.6		%		70-130	26-APR-17
Tetrachloroethylene			94.5		%		70-130	26-APR-17
Toluene			98.0		%		70-130	26-APR-17
trans-1,2-Dichloroethylene			101.3		%		70-130	26-APR-17
trans-1,3-Dichloropropene			100.4		%		70-130	26-APR-17
Trichloroethylene			99.4		%		70-130	26-APR-17
Trichlorofluoromethane			101.2		%		60-140	26-APR-17
Vinyl chloride			100.9		%		60-140	26-APR-17
WG2514702-2 MB								
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,1-Trichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,2-Trichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1-Dichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
1,2-Dibromoethane			<0.20		ug/L		0.2	26-APR-17
1,2-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
1,2-Dichloroethane			<0.50		ug/L		0.5	26-APR-17
1,2-Dichloropropane			<0.50		ug/L		0.5	26-APR-17
1,3-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
1,4-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
Acetone			<30		ug/L		30	26-APR-17
Benzene			<0.50		ug/L		0.5	26-APR-17
Bromodichloromethane			<2.0		ug/L		2	26-APR-17
Bromoform			<5.0		ug/L		5	26-APR-17
Bromomethane			<0.50		ug/L		0.5	26-APR-17
Carbon tetrachloride			<0.20		ug/L		0.2	26-APR-17
Chlorobenzene			<0.50		ug/L		0.5	26-APR-17
Chloroform			<1.0		ug/L		1	26-APR-17
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708099								
WG2514702-2 MB								
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	26-APR-17
Dibromochloromethane			<2.0		ug/L		2	26-APR-17
Dichlorodifluoromethane			<2.0		ug/L		2	26-APR-17
Ethylbenzene			<0.50		ug/L		0.5	26-APR-17
n-Hexane			<0.50		ug/L		0.5	26-APR-17
m+p-Xylenes			<0.40		ug/L		0.4	26-APR-17
Methyl Ethyl Ketone			<20		ug/L		20	26-APR-17
Methyl Isobutyl Ketone			<20		ug/L		20	26-APR-17
Methylene Chloride			<5.0		ug/L		5	26-APR-17
MTBE			<2.0		ug/L		2	26-APR-17
o-Xylene			<0.30		ug/L		0.3	26-APR-17
Styrene			<0.50		ug/L		0.5	26-APR-17
Tetrachloroethylene			<0.50		ug/L		0.5	26-APR-17
Toluene			<0.50		ug/L		0.5	26-APR-17
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	26-APR-17
Trichloroethylene			<0.50		ug/L		0.5	26-APR-17
Trichlorofluoromethane			<5.0		ug/L		5	26-APR-17
Vinyl chloride			<0.50		ug/L		0.5	26-APR-17
Surrogate: 1,4-Difluorobenzene			101.8		%		70-130	26-APR-17
Surrogate: 4-Bromofluorobenzene			99.8		%		70-130	26-APR-17
WG2514702-5 MS		**WG2514702-3**						
1,1,1,2-Tetrachloroethane			96.0		%		50-140	26-APR-17
1,1,2,2-Tetrachloroethane			97.3		%		50-140	26-APR-17
1,1,1-Trichloroethane			105.4		%		50-140	26-APR-17
1,1,2-Trichloroethane			97.3		%		50-140	26-APR-17
1,1-Dichloroethane			101.4		%		50-140	26-APR-17
1,1-Dichloroethylene			95.8		%		50-140	26-APR-17
1,2-Dibromoethane			95.4		%		50-140	26-APR-17
1,2-Dichlorobenzene			98.1		%		50-140	26-APR-17
1,2-Dichloroethane			104.7		%		50-140	26-APR-17
1,2-Dichloropropane			104.8		%		50-140	26-APR-17
1,3-Dichlorobenzene			100.8		%		50-140	26-APR-17
1,4-Dichlorobenzene			101.8		%		50-140	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708099								
WG2514702-5 MS		**WG2514702-3**						
Acetone			103.4		%		50-140	26-APR-17
Benzene			105.4		%		50-140	26-APR-17
Bromodichloromethane			101.2		%		50-140	26-APR-17
Bromoform			89.9		%		50-140	26-APR-17
Bromomethane			97.4		%		50-140	26-APR-17
Carbon tetrachloride			100.1		%		50-140	26-APR-17
Chlorobenzene			99.6		%		50-140	26-APR-17
Chloroform			104.3		%		50-140	26-APR-17
cis-1,2-Dichloroethylene			102.3		%		50-140	26-APR-17
cis-1,3-Dichloropropene			94.8		%		50-140	26-APR-17
Dibromochloromethane			99.3		%		50-140	26-APR-17
Dichlorodifluoromethane			79.4		%		50-140	26-APR-17
Ethylbenzene			97.1		%		50-140	26-APR-17
n-Hexane			105.3		%		50-140	26-APR-17
m+p-Xylenes			100.1		%		50-140	26-APR-17
Methyl Ethyl Ketone			99.3		%		50-140	26-APR-17
Methyl Isobutyl Ketone			87.7		%		50-140	26-APR-17
Methylene Chloride			103.0		%		50-140	26-APR-17
MTBE			100.1		%		50-140	26-APR-17
o-Xylene			96.6		%		50-140	26-APR-17
Styrene			92.2		%		50-140	26-APR-17
Tetrachloroethylene			98.8		%		50-140	26-APR-17
Toluene			99.9		%		50-140	26-APR-17
trans-1,2-Dichloroethylene			101.1		%		50-140	26-APR-17
trans-1,3-Dichloropropene			91.7		%		50-140	26-APR-17
Trichloroethylene			101.8		%		50-140	26-APR-17
Trichlorofluoromethane			99.4		%		50-140	26-APR-17
Vinyl chloride			88.2		%		50-140	26-APR-17
Batch R3708128								
WG2514703-4 DUP		**WG2514703-3**						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1,2-Trichloroethane		<0.50	<0.50					

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708128								
WG2514703-4 DUP		**WG2514703-3**						
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	26-APR-17
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	26-APR-17
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	26-APR-17
cis-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	26-APR-17
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	26-APR-17
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	26-APR-17
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	26-APR-17
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
trans-1,2-Dichloroethylene		<0.50	<0.50		ug/L			26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708128								
WG2514703-4 DUP		**WG2514703-3**						
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	26-APR-17
Trichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	26-APR-17
Vinyl chloride		<0.50	<0.50	RPD-NA	ug/L	N/A	30	26-APR-17
WG2514703-1 LCS								
1,1,1,2-Tetrachloroethane			97.0		%		70-130	26-APR-17
1,1,2,2-Tetrachloroethane			114.3		%		70-130	26-APR-17
1,1,1-Trichloroethane			103.2		%		70-130	26-APR-17
1,1,2-Trichloroethane			105.6		%		70-130	26-APR-17
1,1-Dichloroethane			104.0		%		70-130	26-APR-17
1,1-Dichloroethylene			98.4		%		70-130	26-APR-17
1,2-Dibromoethane			105.4		%		70-130	26-APR-17
1,2-Dichlorobenzene			97.6		%		70-130	26-APR-17
1,2-Dichloroethane			114.5		%		70-130	26-APR-17
1,2-Dichloropropane			109.9		%		70-130	26-APR-17
1,3-Dichlorobenzene			94.3		%		70-130	26-APR-17
1,4-Dichlorobenzene			97.0		%		70-130	26-APR-17
Acetone			115.9		%		60-140	26-APR-17
Benzene			107.7		%		70-130	26-APR-17
Bromodichloromethane			107.1		%		70-130	26-APR-17
Bromoform			103.0		%		70-130	26-APR-17
Bromomethane			110.4		%		60-140	26-APR-17
Carbon tetrachloride			97.6		%		70-130	26-APR-17
Chlorobenzene			99.3		%		70-130	26-APR-17
Chloroform			106.6		%		70-130	26-APR-17
cis-1,2-Dichloroethylene			105.1		%		70-130	26-APR-17
cis-1,3-Dichloropropene			107.6		%		70-130	26-APR-17
Dibromochloromethane			105.9		%		70-130	26-APR-17
Dichlorodifluoromethane			128.1		%		50-140	26-APR-17
Ethylbenzene			92.3		%		70-130	26-APR-17
n-Hexane			108.2		%		70-130	26-APR-17
m+p-Xylenes			95.4		%		70-130	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708128								
WG2514703-1 LCS								
Methyl Ethyl Ketone			122.7		%		60-140	26-APR-17
Methyl Isobutyl Ketone			115.3		%		60-140	26-APR-17
Methylene Chloride			110.6		%		70-130	26-APR-17
MTBE			100.4		%		70-130	26-APR-17
o-Xylene			94.2		%		70-130	26-APR-17
Styrene			94.7		%		70-130	26-APR-17
Tetrachloroethylene			91.8		%		70-130	26-APR-17
Toluene			96.5		%		70-130	26-APR-17
trans-1,2-Dichloroethylene			102.8		%		70-130	26-APR-17
trans-1,3-Dichloropropene			97.2		%		70-130	26-APR-17
Trichloroethylene			100.5		%		70-130	26-APR-17
Trichlorofluoromethane			103.3		%		60-140	26-APR-17
Vinyl chloride			103.1		%		60-140	26-APR-17
WG2514703-2 MB								
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,1-Trichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1,2-Trichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1-Dichloroethane			<0.50		ug/L		0.5	26-APR-17
1,1-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
1,2-Dibromoethane			<0.20		ug/L		0.2	26-APR-17
1,2-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
1,2-Dichloroethane			<0.50		ug/L		0.5	26-APR-17
1,2-Dichloropropane			<0.50		ug/L		0.5	26-APR-17
1,3-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
1,4-Dichlorobenzene			<0.50		ug/L		0.5	26-APR-17
Acetone			<30		ug/L		30	26-APR-17
Benzene			<0.50		ug/L		0.5	26-APR-17
Bromodichloromethane			<2.0		ug/L		2	26-APR-17
Bromoform			<5.0		ug/L		5	26-APR-17
Bromomethane			<0.50		ug/L		0.5	26-APR-17
Carbon tetrachloride			<0.20		ug/L		0.2	26-APR-17
Chlorobenzene			<0.50		ug/L		0.5	26-APR-17
Chloroform			<1.0		ug/L		1	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708128								
WG2514703-2 MB								
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	26-APR-17
Dibromochloromethane			<2.0		ug/L		2	26-APR-17
Dichlorodifluoromethane			<2.0		ug/L		2	26-APR-17
Ethylbenzene			<0.50		ug/L		0.5	26-APR-17
n-Hexane			<0.50		ug/L		0.5	26-APR-17
m+p-Xylenes			<0.40		ug/L		0.4	26-APR-17
Methyl Ethyl Ketone			<20		ug/L		20	26-APR-17
Methyl Isobutyl Ketone			<20		ug/L		20	26-APR-17
Methylene Chloride			<5.0		ug/L		5	26-APR-17
MTBE			<2.0		ug/L		2	26-APR-17
o-Xylene			<0.30		ug/L		0.3	26-APR-17
Styrene			<0.50		ug/L		0.5	26-APR-17
Tetrachloroethylene			<0.50		ug/L		0.5	26-APR-17
Toluene			<0.50		ug/L		0.5	26-APR-17
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	26-APR-17
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	26-APR-17
Trichloroethylene			<0.50		ug/L		0.5	26-APR-17
Trichlorofluoromethane			<5.0		ug/L		5	26-APR-17
Vinyl chloride			<0.50		ug/L		0.5	26-APR-17
Surrogate: 1,4-Difluorobenzene			101.3		%		70-130	26-APR-17
Surrogate: 4-Bromofluorobenzene			98.0		%		70-130	26-APR-17
WG2514703-5 MS		**WG2514703-3**						
1,1,1,2-Tetrachloroethane			97.9		%		50-140	26-APR-17
1,1,2,2-Tetrachloroethane			119.3		%		50-140	26-APR-17
1,1,1-Trichloroethane			101.7		%		50-140	26-APR-17
1,1,2-Trichloroethane			109.1		%		50-140	26-APR-17
1,1-Dichloroethane			103.1		%		50-140	26-APR-17
1,1-Dichloroethylene			90.6		%		50-140	26-APR-17
1,2-Dibromoethane			108.3		%		50-140	26-APR-17
1,2-Dichlorobenzene			97.5		%		50-140	26-APR-17
1,2-Dichloroethane			119.0		%		50-140	26-APR-17
1,2-Dichloropropane			112.0		%		50-140	26-APR-17
1,3-Dichlorobenzene			94.4		%		50-140	26-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708128								
WG2514703-5 MS		**WG2514703-3**						
1,4-Dichlorobenzene			95.8		%		50-140	26-APR-17
Acetone			128.7		%		50-140	26-APR-17
Benzene			107.5		%		50-140	26-APR-17
Bromodichloromethane			109.7		%		50-140	26-APR-17
Bromoform			104.1		%		50-140	26-APR-17
Bromomethane			96.1		%		50-140	26-APR-17
Carbon tetrachloride			95.5		%		50-140	26-APR-17
Chlorobenzene			99.9		%		50-140	26-APR-17
Chloroform			108.1		%		50-140	26-APR-17
cis-1,2-Dichloroethylene			105.7		%		50-140	26-APR-17
cis-1,3-Dichloropropene			104.2		%		50-140	26-APR-17
Dibromochloromethane			108.0		%		50-140	26-APR-17
Dichlorodifluoromethane			68.0		%		50-140	26-APR-17
Ethylbenzene			90.7		%		50-140	26-APR-17
n-Hexane			94.7		%		50-140	26-APR-17
m+p-Xylenes			94.4		%		50-140	26-APR-17
Methyl Ethyl Ketone			129.7		%		50-140	26-APR-17
Methyl Isobutyl Ketone			116.0		%		50-140	26-APR-17
Methylene Chloride			111.8		%		50-140	26-APR-17
MTBE			99.5		%		50-140	26-APR-17
o-Xylene			92.9		%		50-140	26-APR-17
Styrene			91.7		%		50-140	26-APR-17
Tetrachloroethylene			89.5		%		50-140	26-APR-17
Toluene			95.7		%		50-140	26-APR-17
trans-1,2-Dichloroethylene			98.6		%		50-140	26-APR-17
trans-1,3-Dichloropropene			93.7		%		50-140	26-APR-17
Trichloroethylene			99.2		%		50-140	26-APR-17
Trichlorofluoromethane			91.4		%		50-140	26-APR-17
Vinyl chloride			81.6		%		50-140	26-APR-17
Batch R3708750								
WG2515585-4 DUP		**WG2515585-3**						
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	27-APR-17
WG2515585-1 LCS								
Toluene			87.3		%		70-130	27-APR-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3708750								
WG2515585-2 MB								
Toluene			<0.50		ug/L		0.5	27-APR-17
WG2515585-5 MS		**WG2515585-3**						
Toluene			84.7		%		50-140	27-APR-17

Quality Control Report

Workorder: L1916592 Report Date: 02-MAY-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Quality Control Report

Workorder: L1916592 Report Date: 02-MAY-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: SUVISH MELANTA

Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Physical Tests							
pH							
	1	20-APR-17 10:00	25-APR-17 00:00	4	5	days	EHTR
	2	20-APR-17 11:00	25-APR-17 00:00	4	5	days	EHTR
	3	20-APR-17 12:00	25-APR-17 00:00	4	5	days	EHTR

Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.
EHTR: Exceeded ALS recommended hold time prior to sample receipt.
EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
EHT: Exceeded ALS recommended hold time prior to analysis.
Rec. HT: ALS recommended hold time (see units).

Notes*:
Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L1916592 were received on 24-APR-17 18:50.

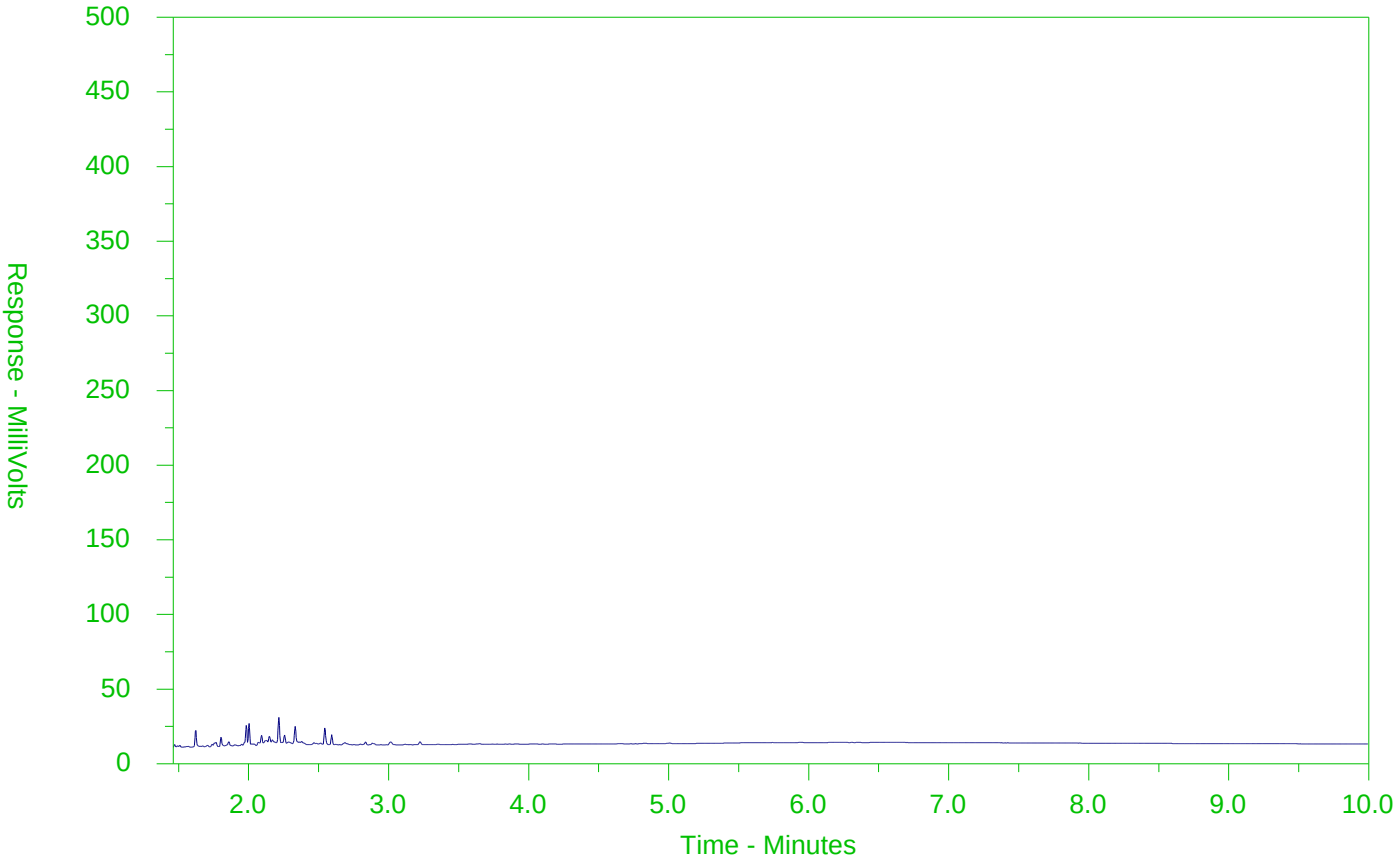
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-1
Client Sample ID: TBH116



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

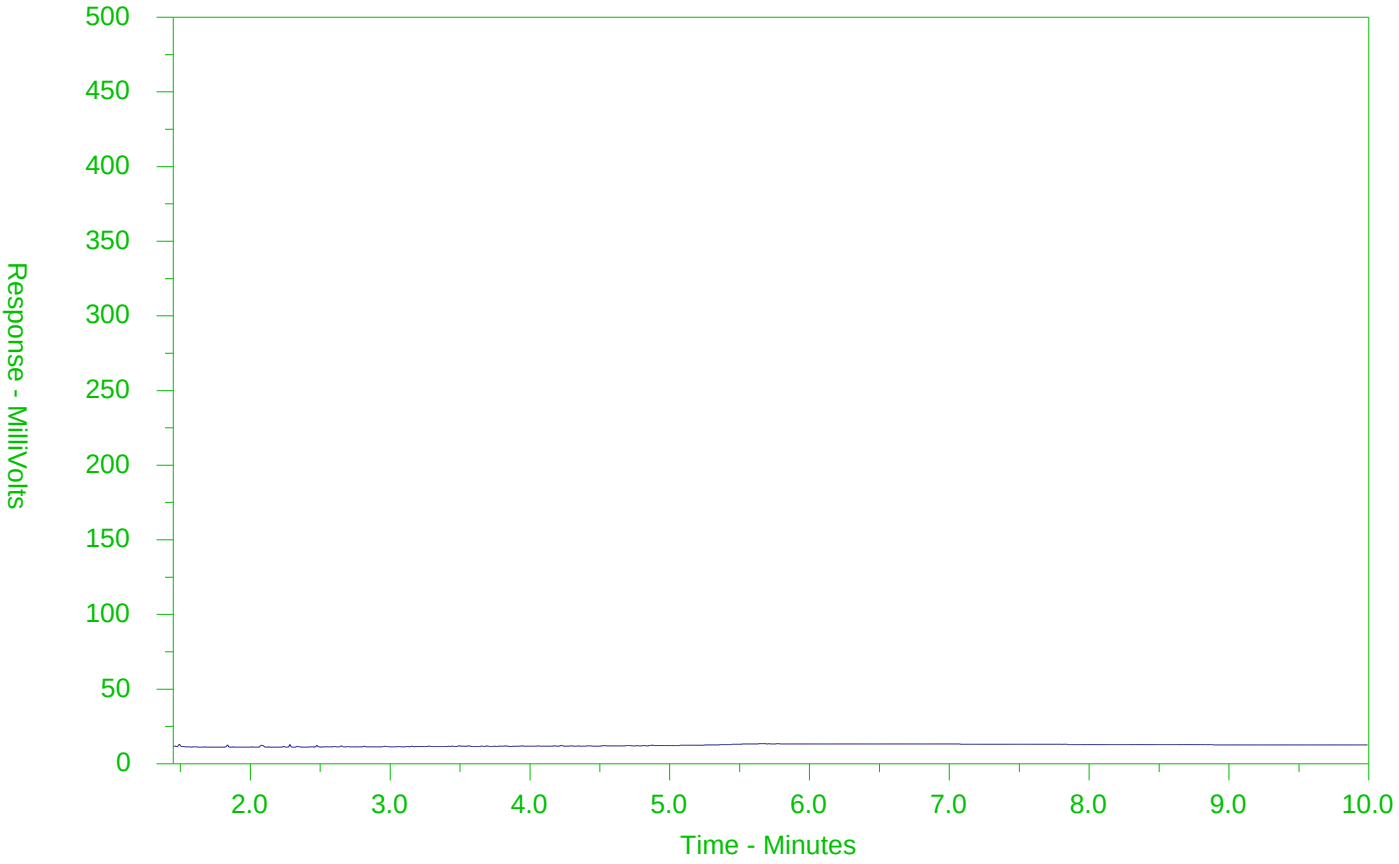
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-2
Client Sample ID: EMW1



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

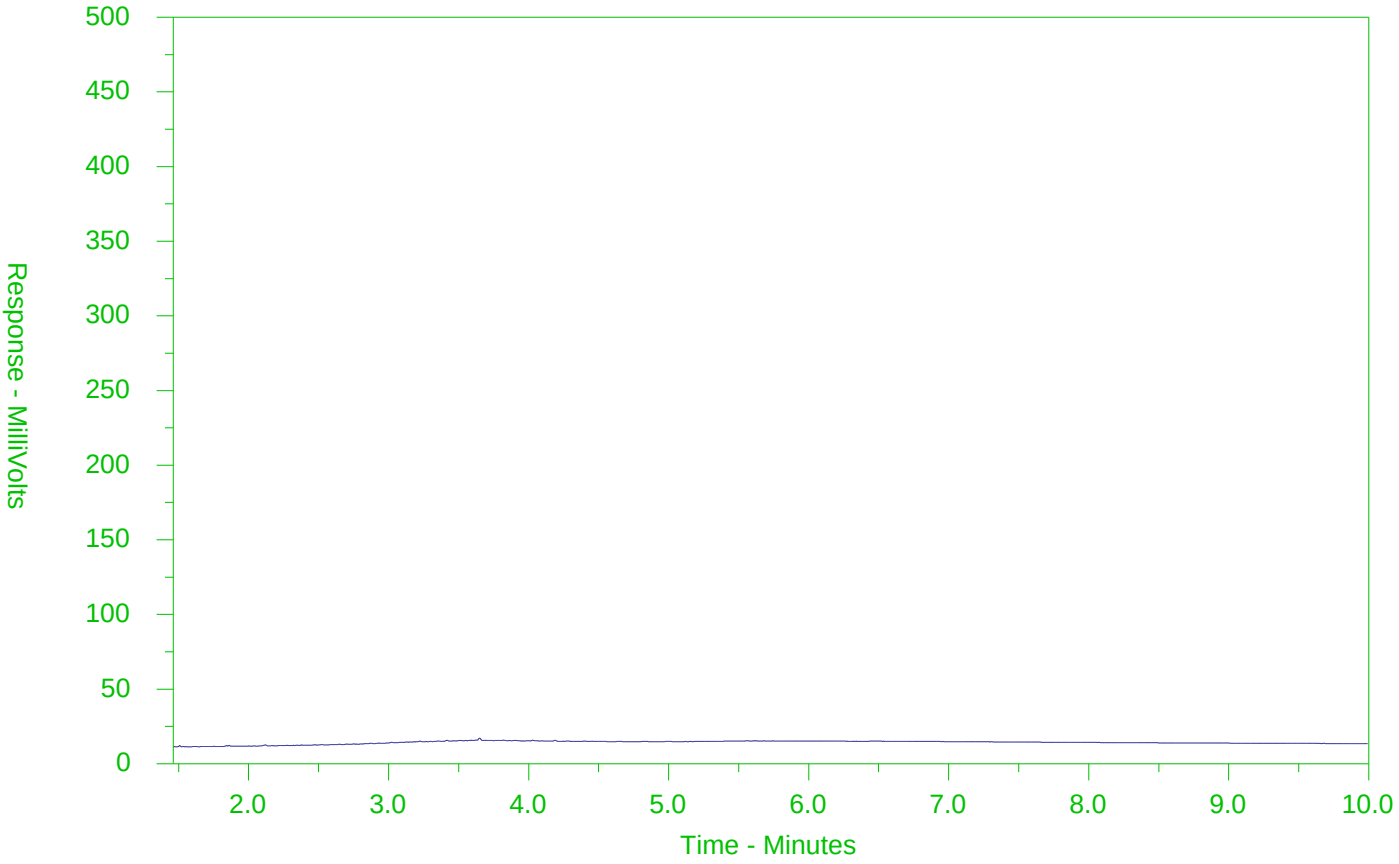
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-3
Client Sample ID: EMW2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

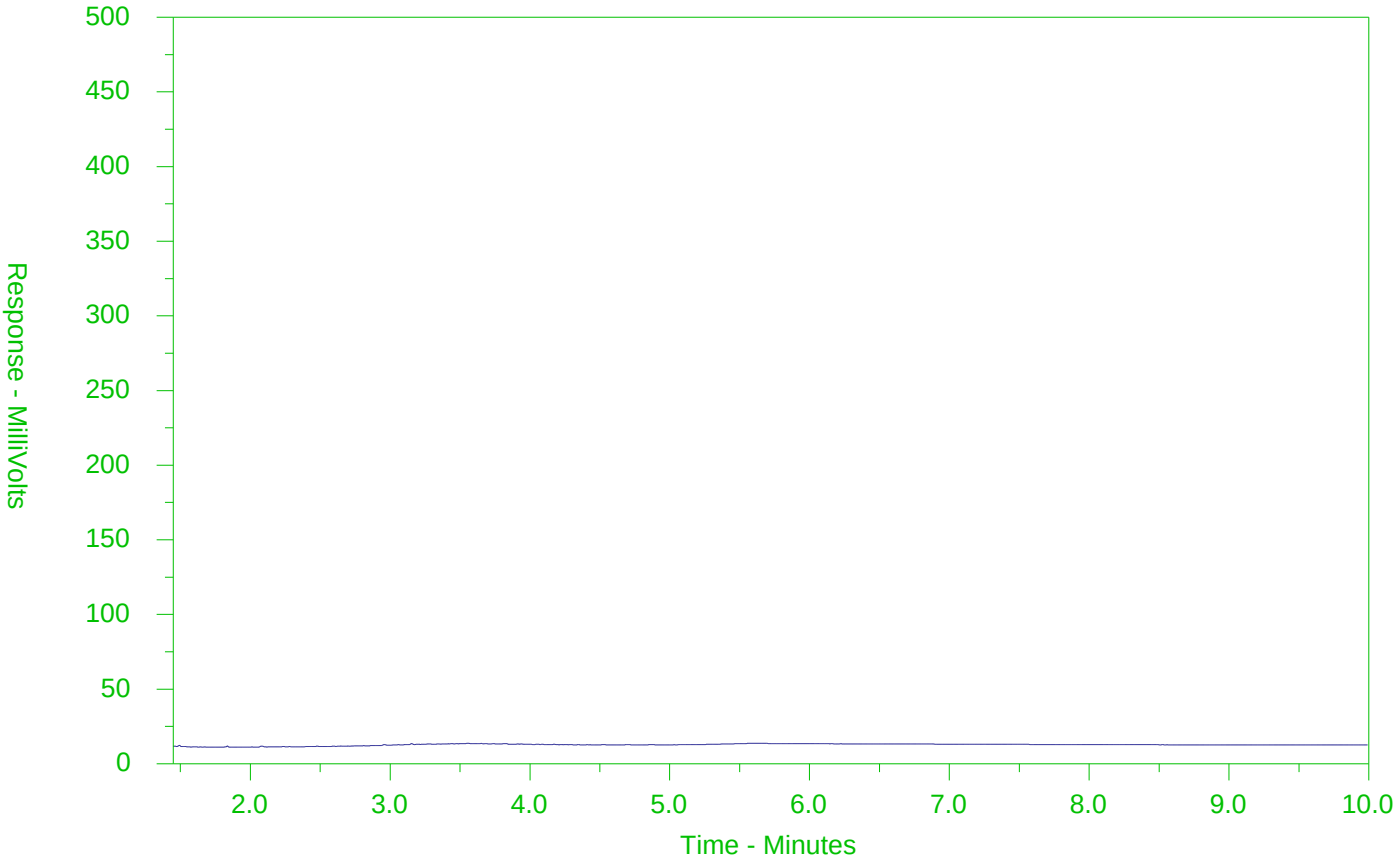
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-4
Client Sample ID: EMW3



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

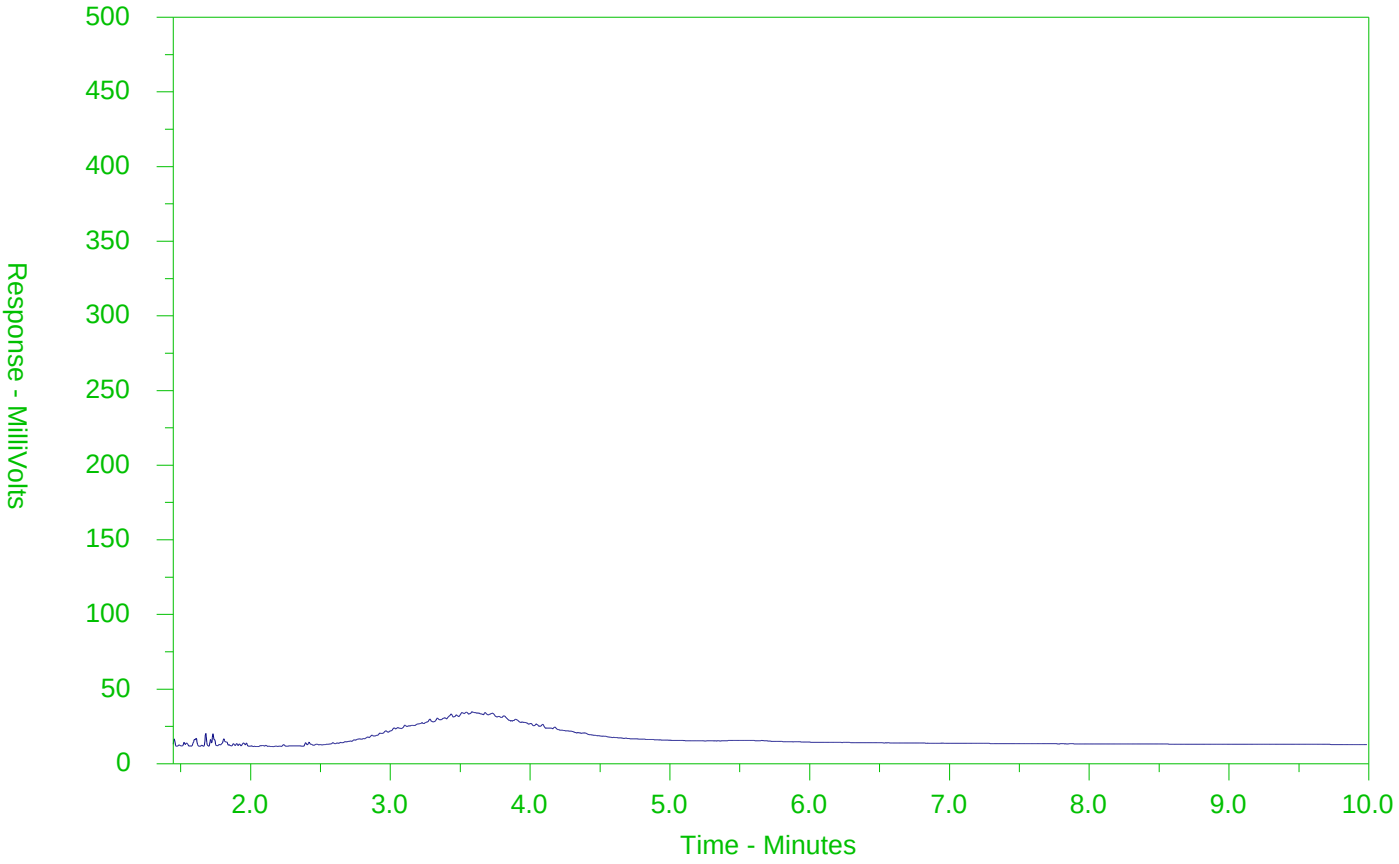
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-5
Client Sample ID: EMW4



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

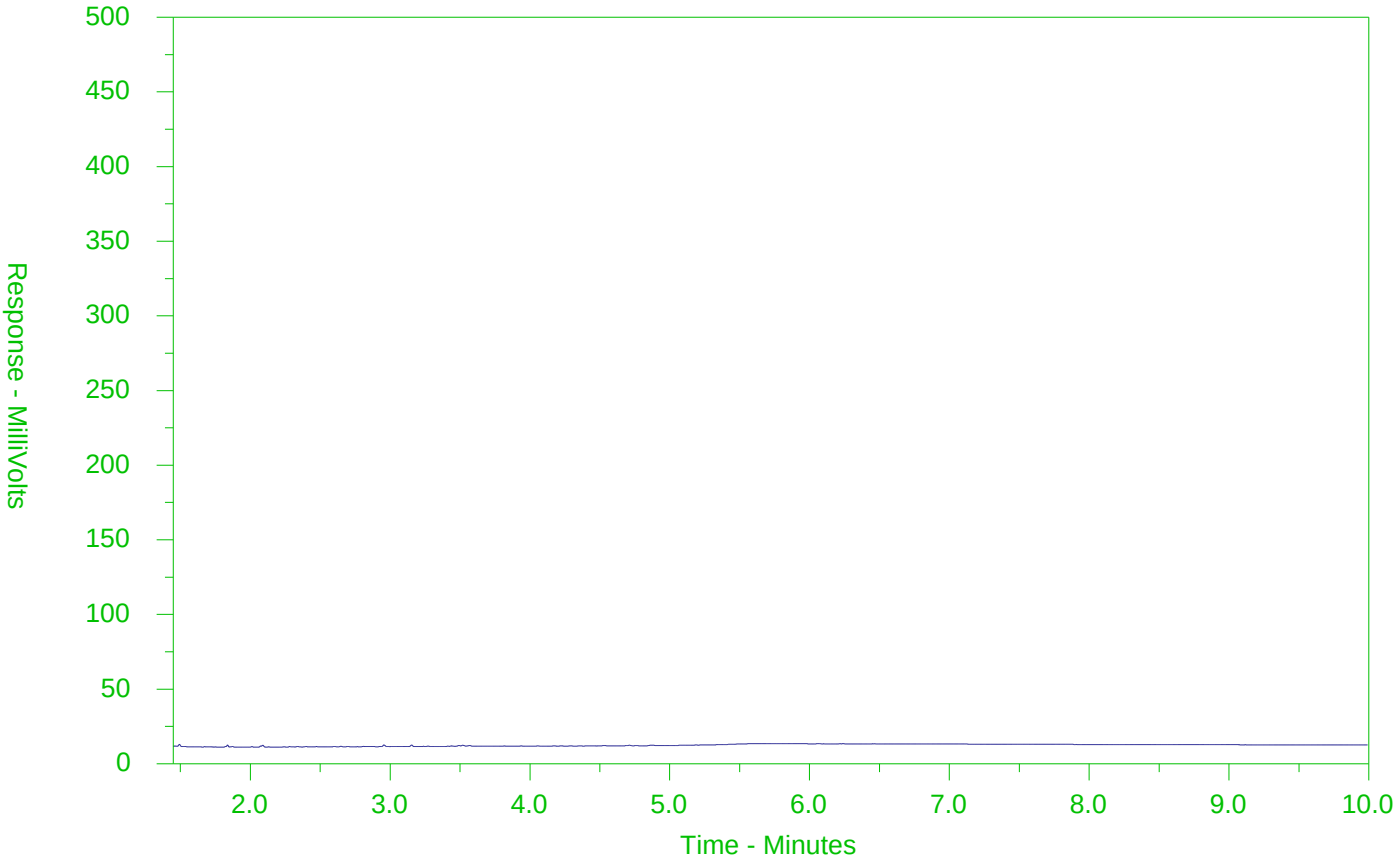
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-6
Client Sample ID: EMW5



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

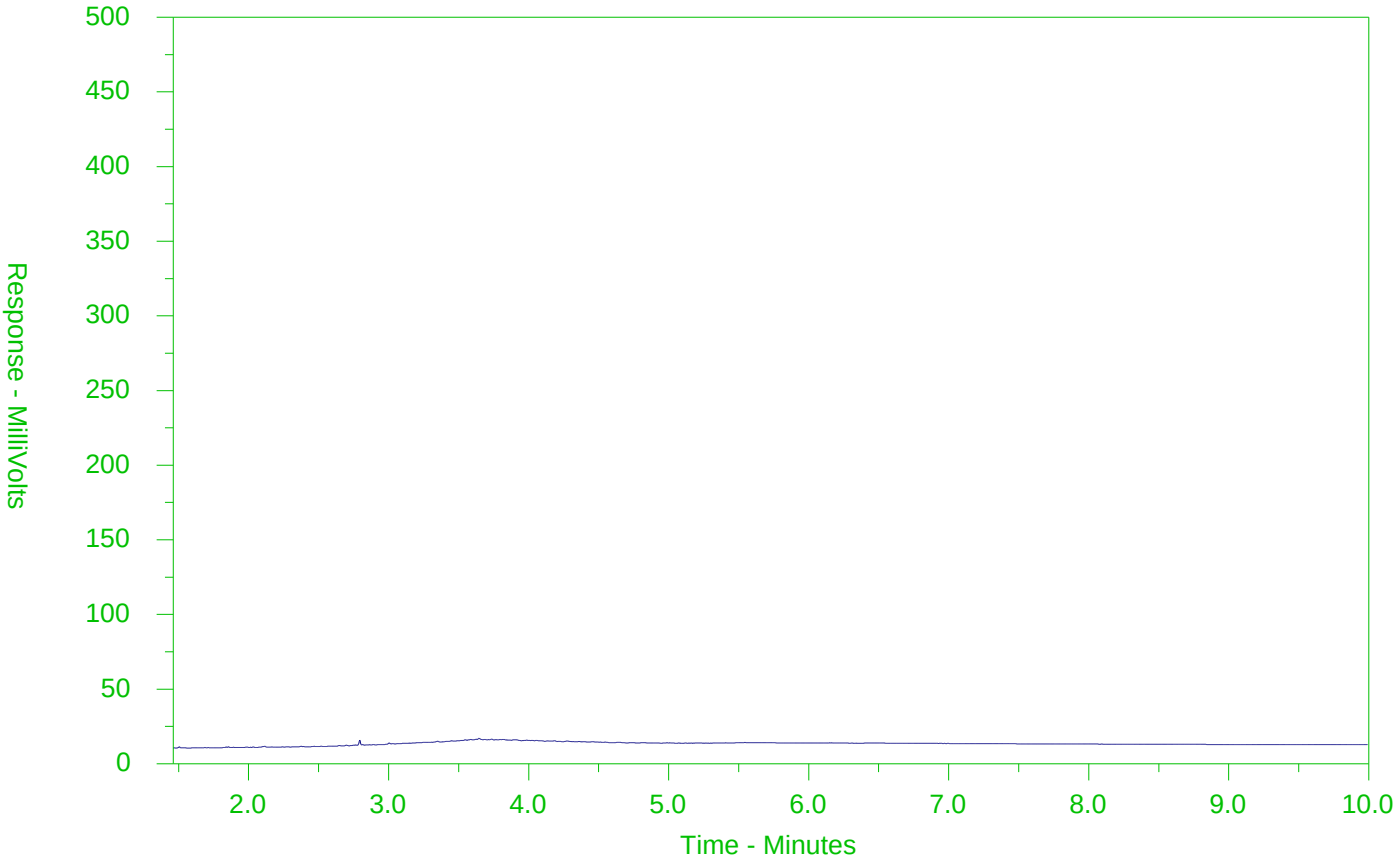
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-7
Client Sample ID: EMW6



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

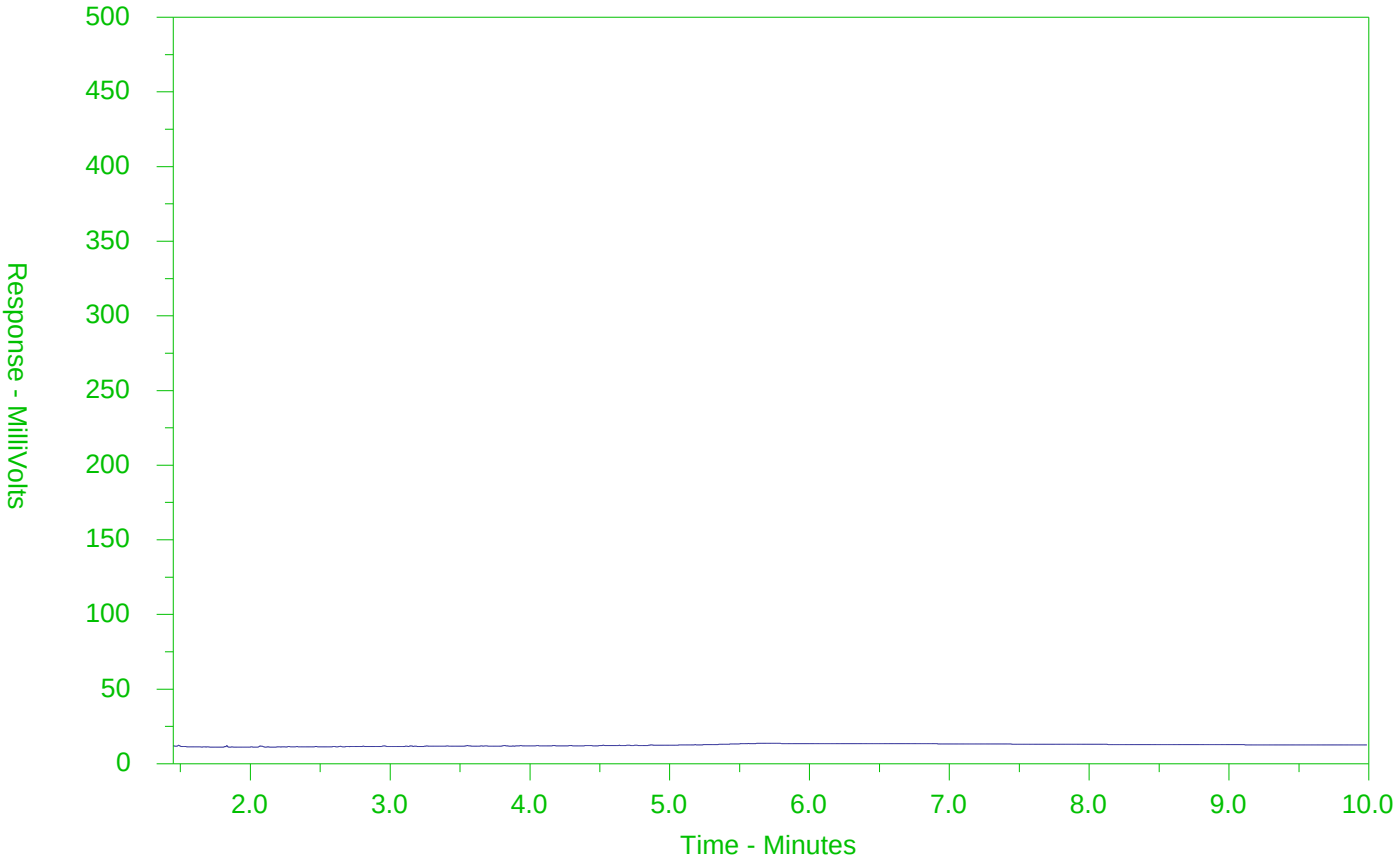
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-8
Client Sample ID: EMW7



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

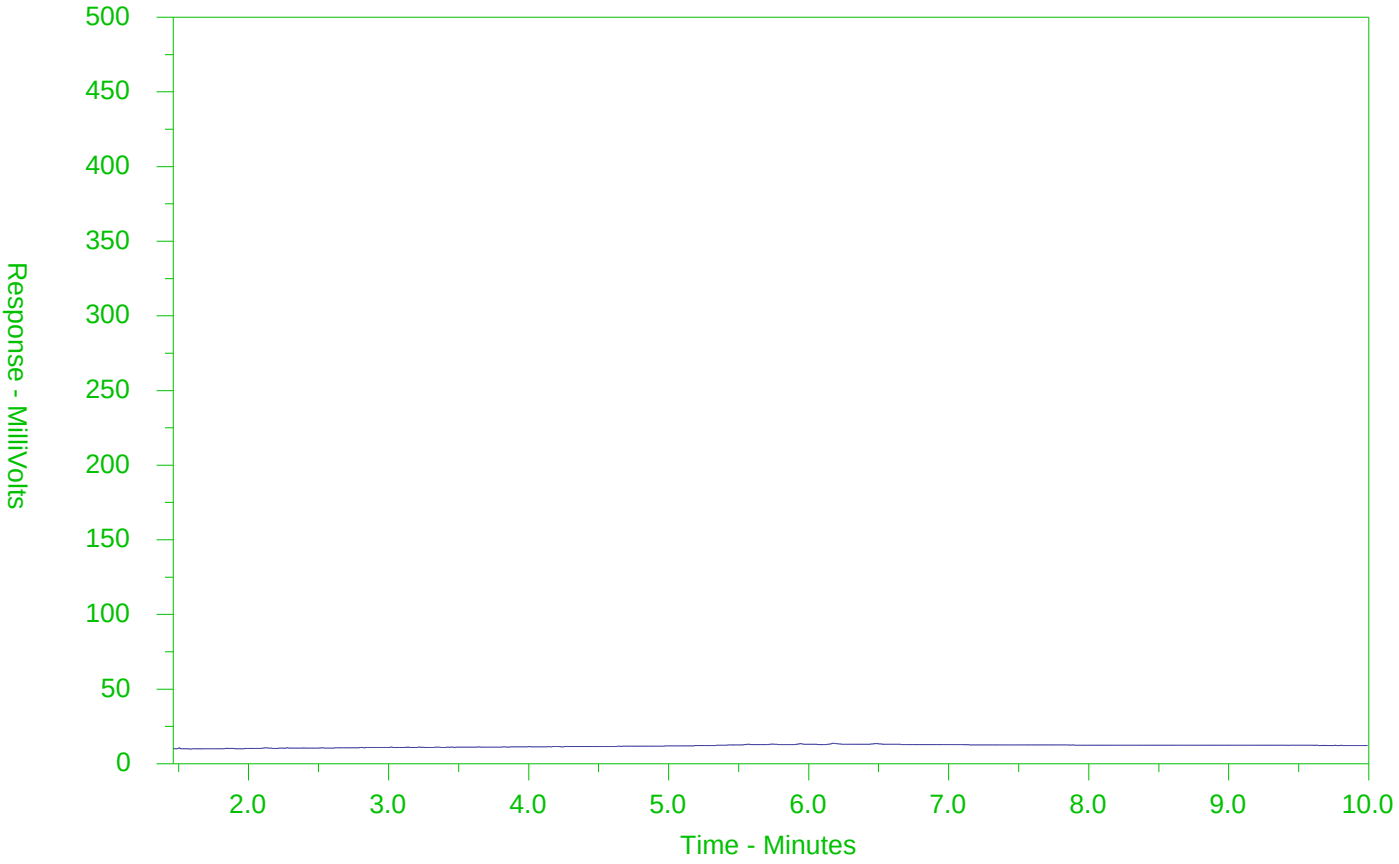
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-9
Client Sample ID: BH209



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

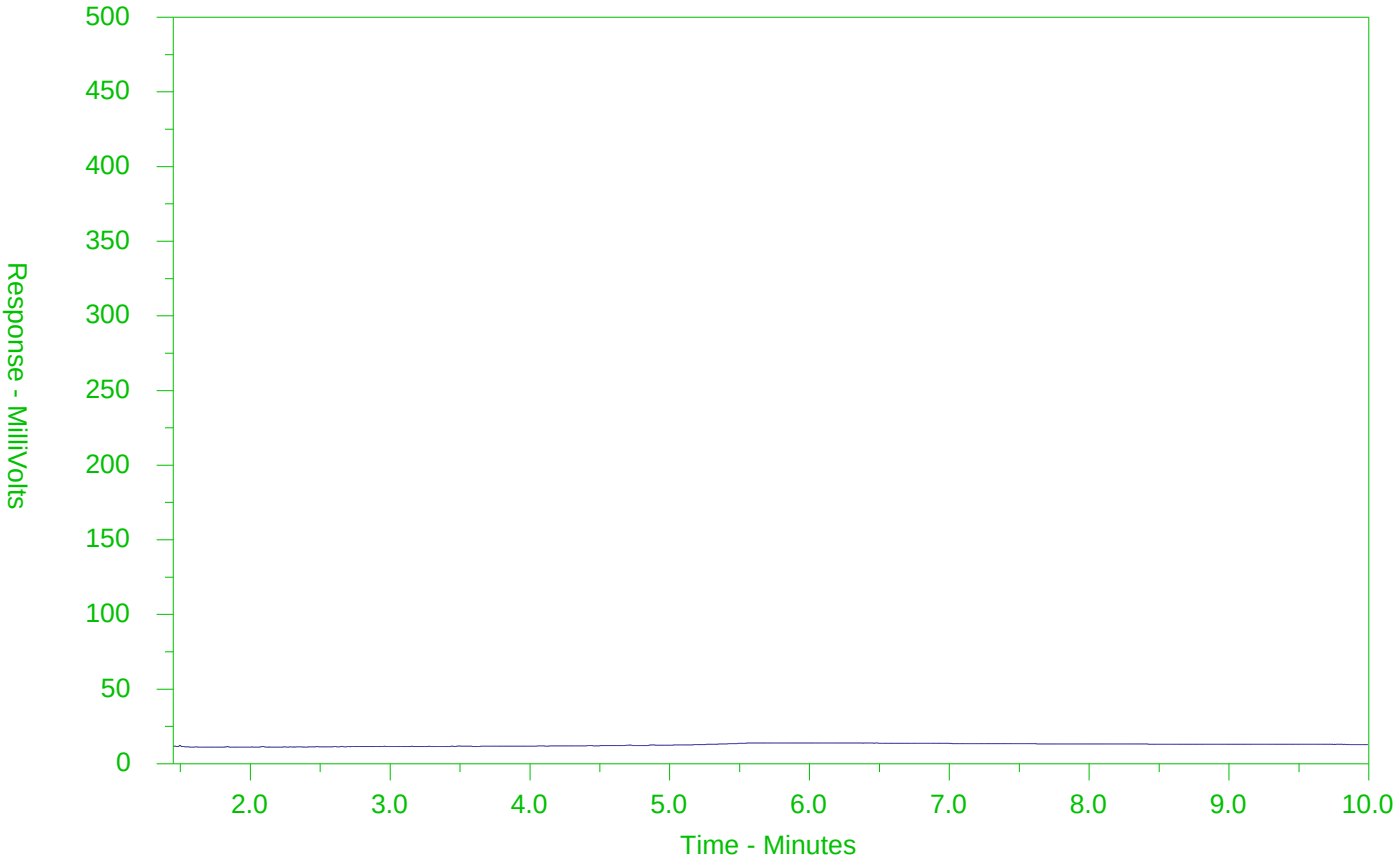
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-10
Client Sample ID: BH210



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

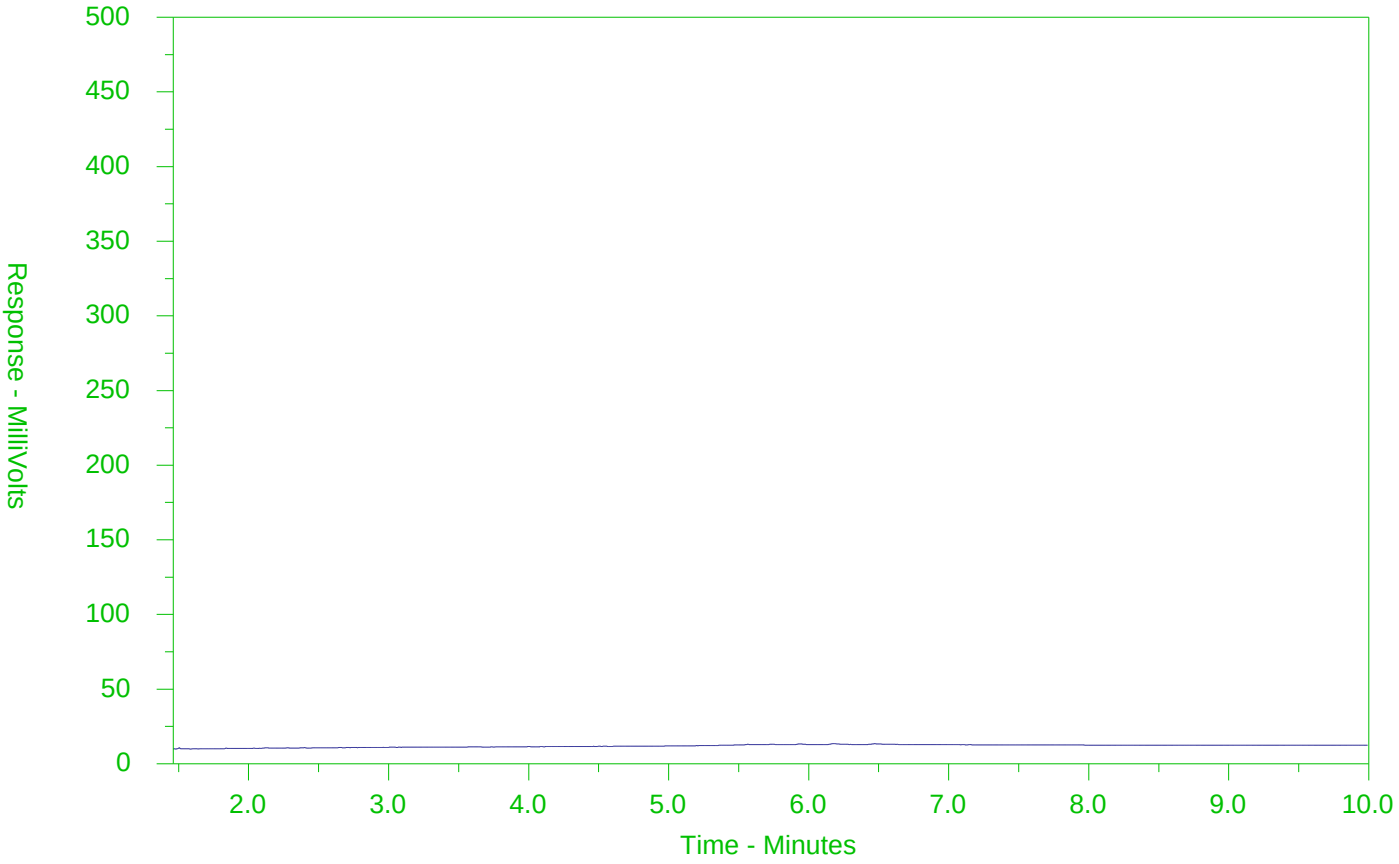
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-11
Client Sample ID: BH201



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

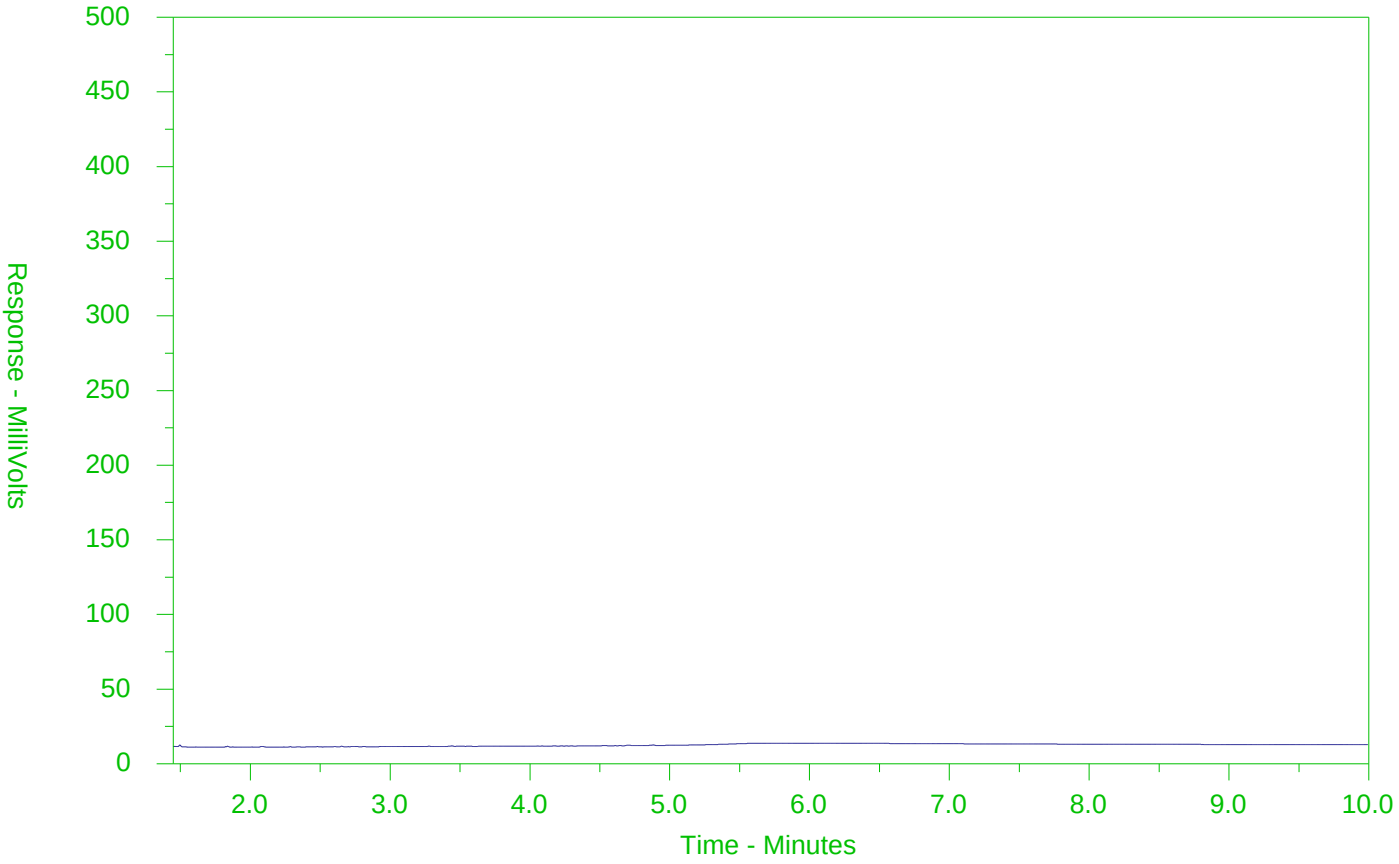
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-12
Client Sample ID: EMW8



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

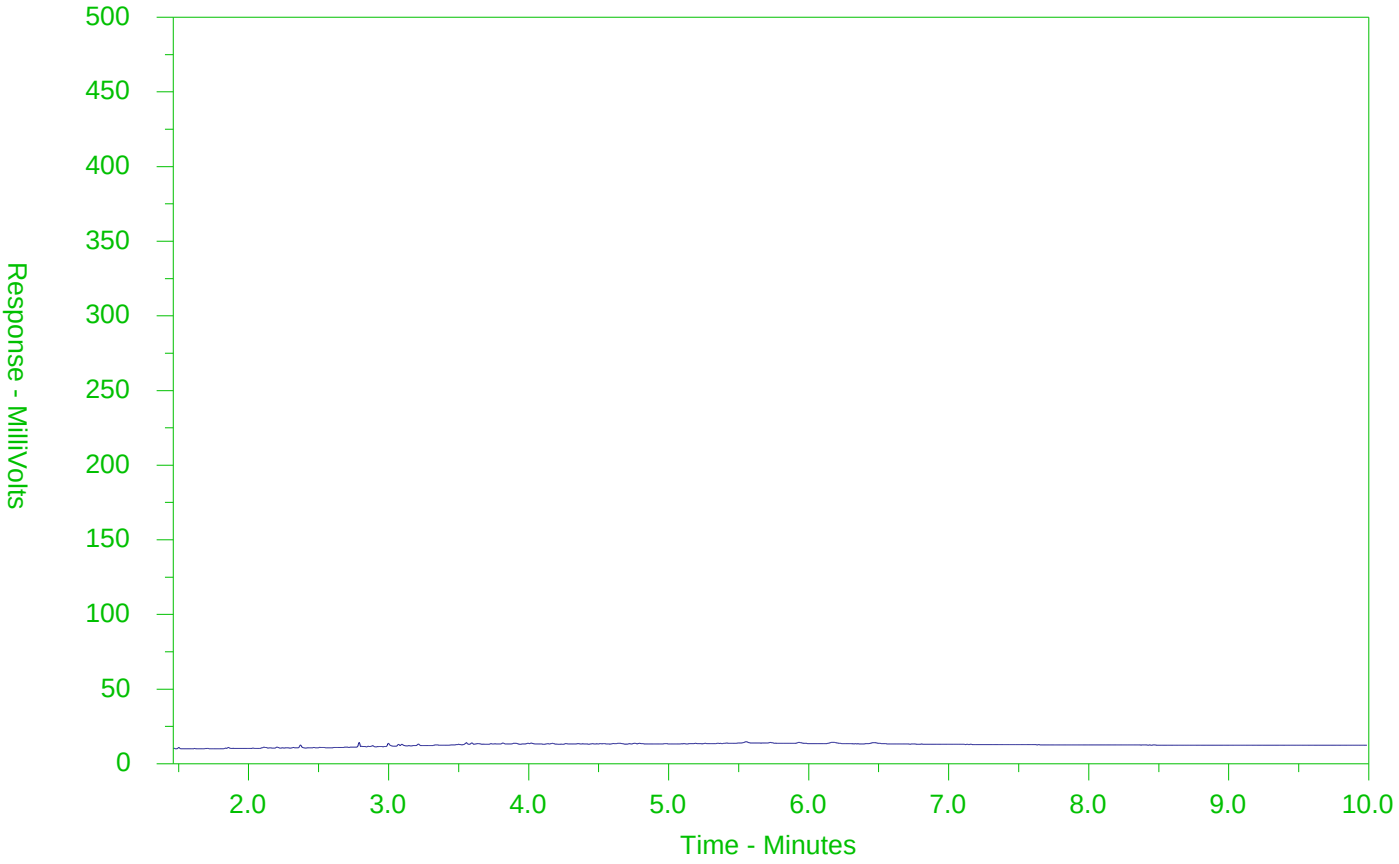
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-13
Client Sample ID: BH202



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

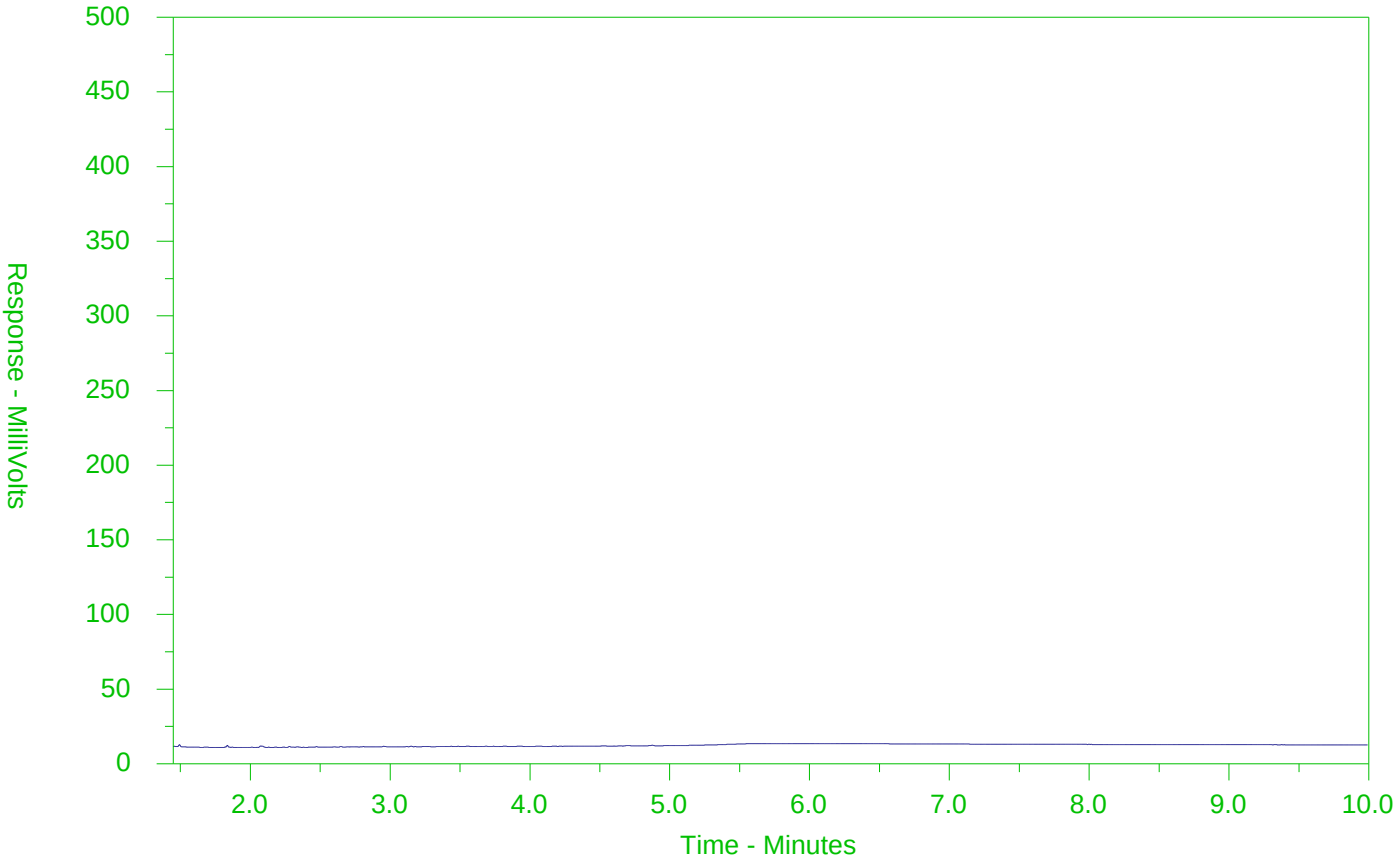
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-14
Client Sample ID: BH203



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

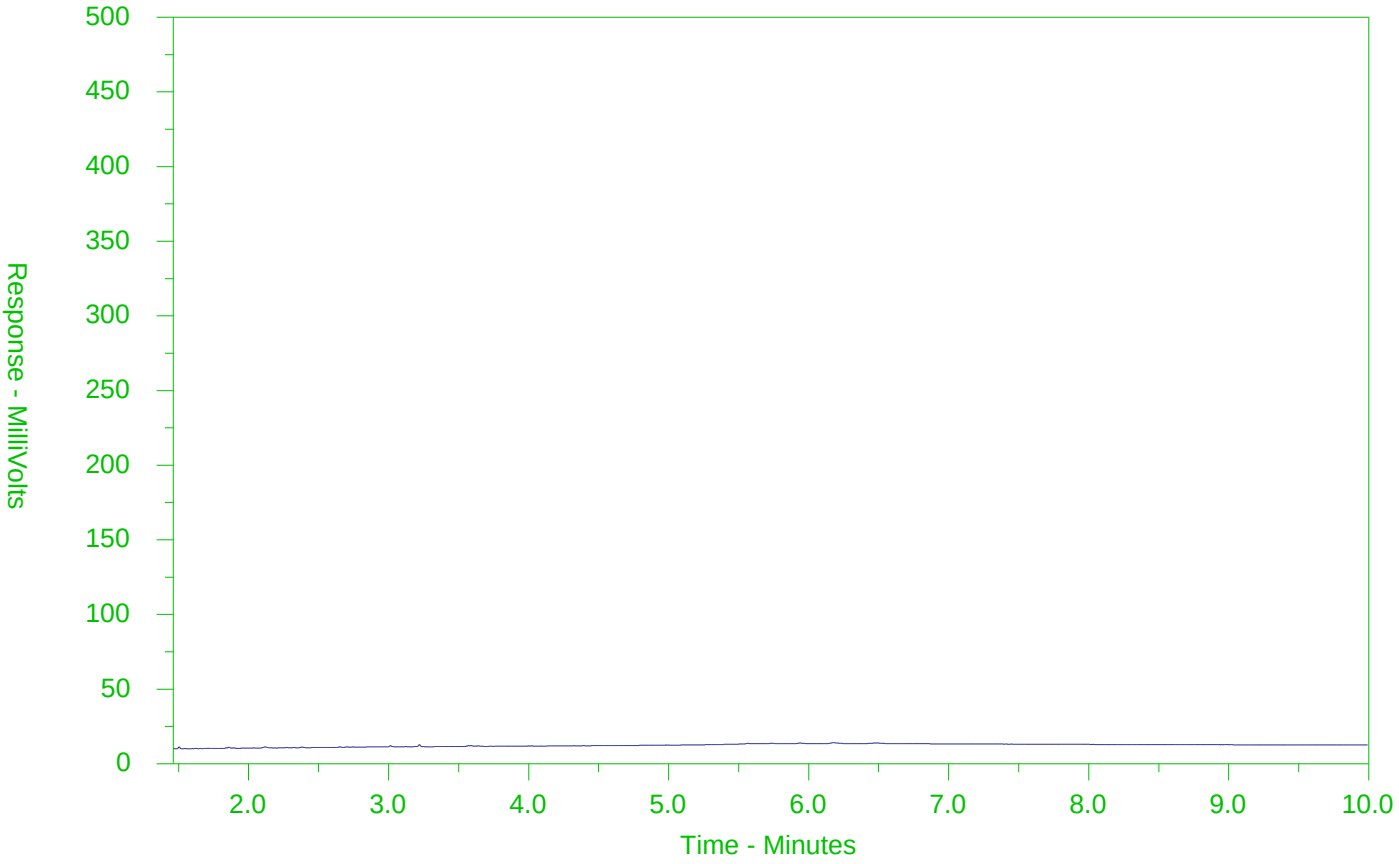
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-15
Client Sample ID: BH204



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

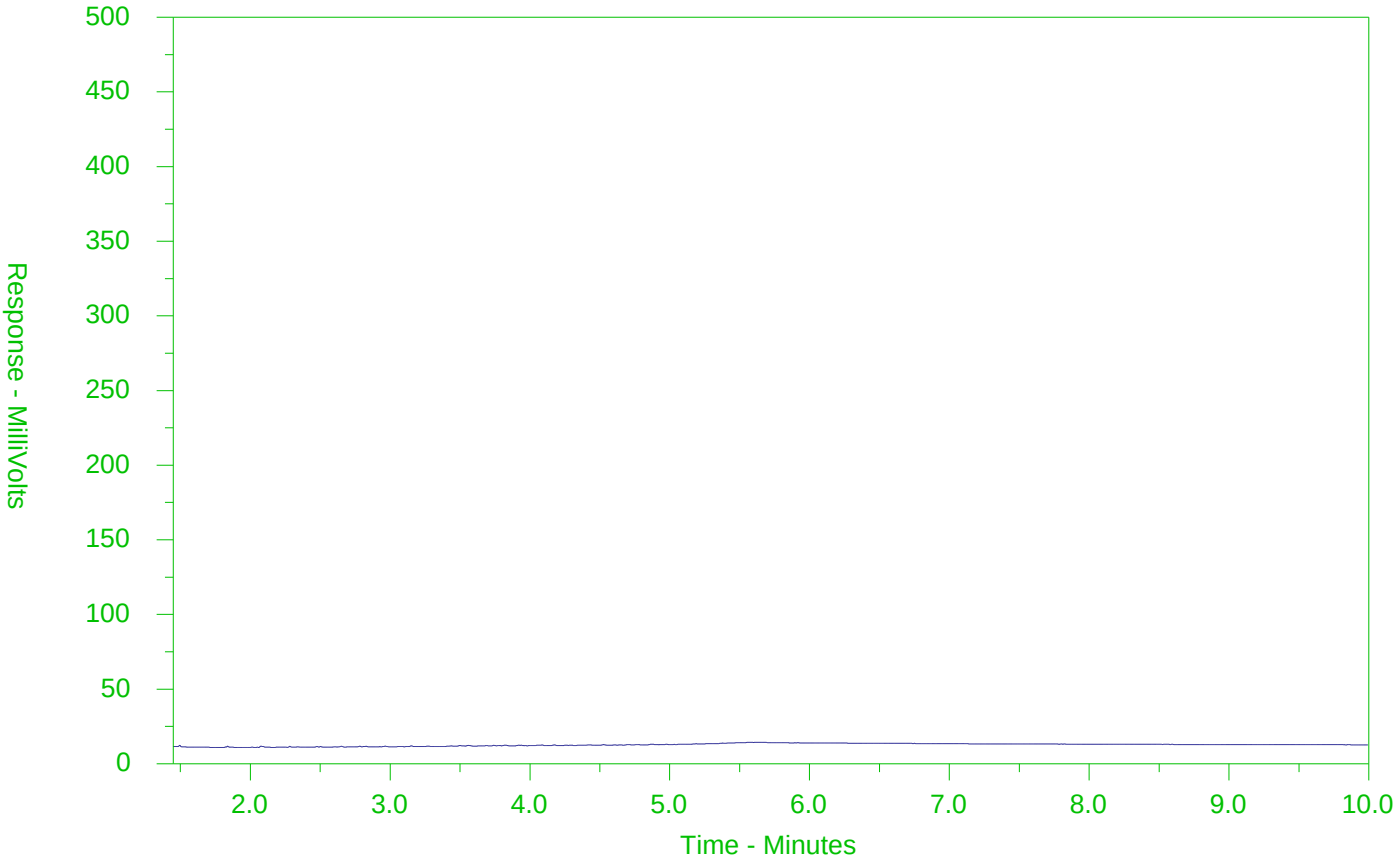
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-16
Client Sample ID: EMW9



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

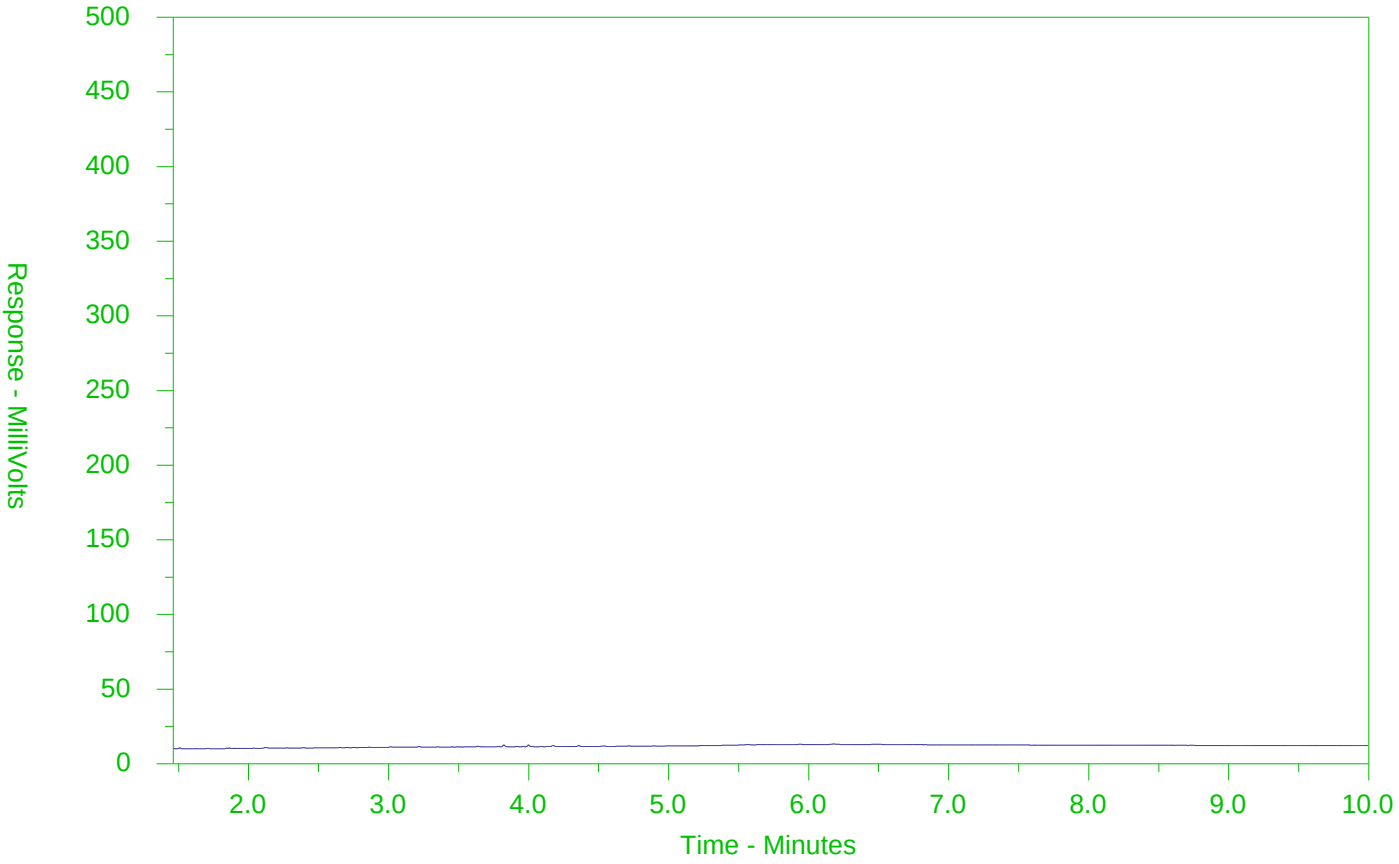
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-17
Client Sample ID: BH205



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

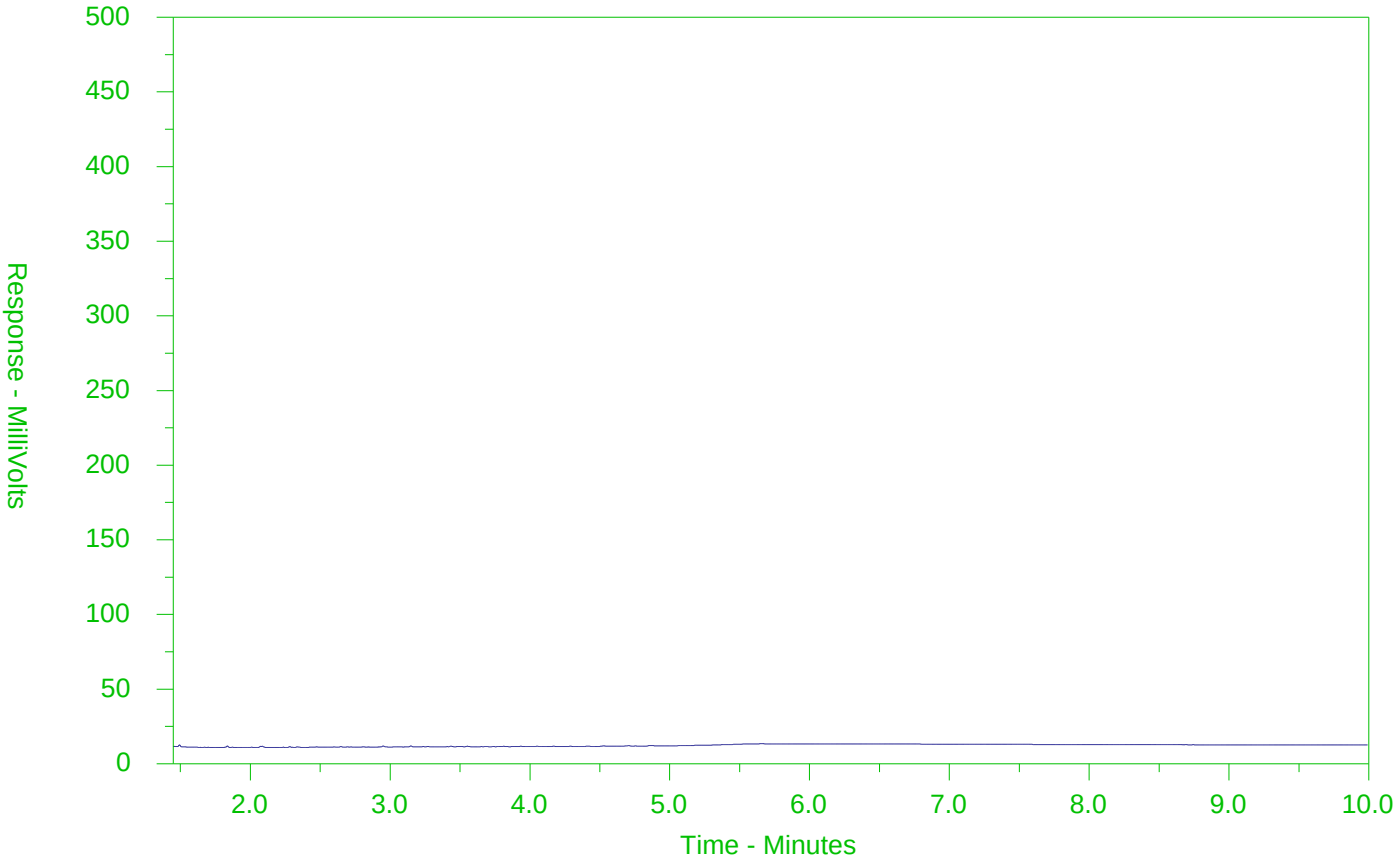
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-18
Client Sample ID: BH206



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

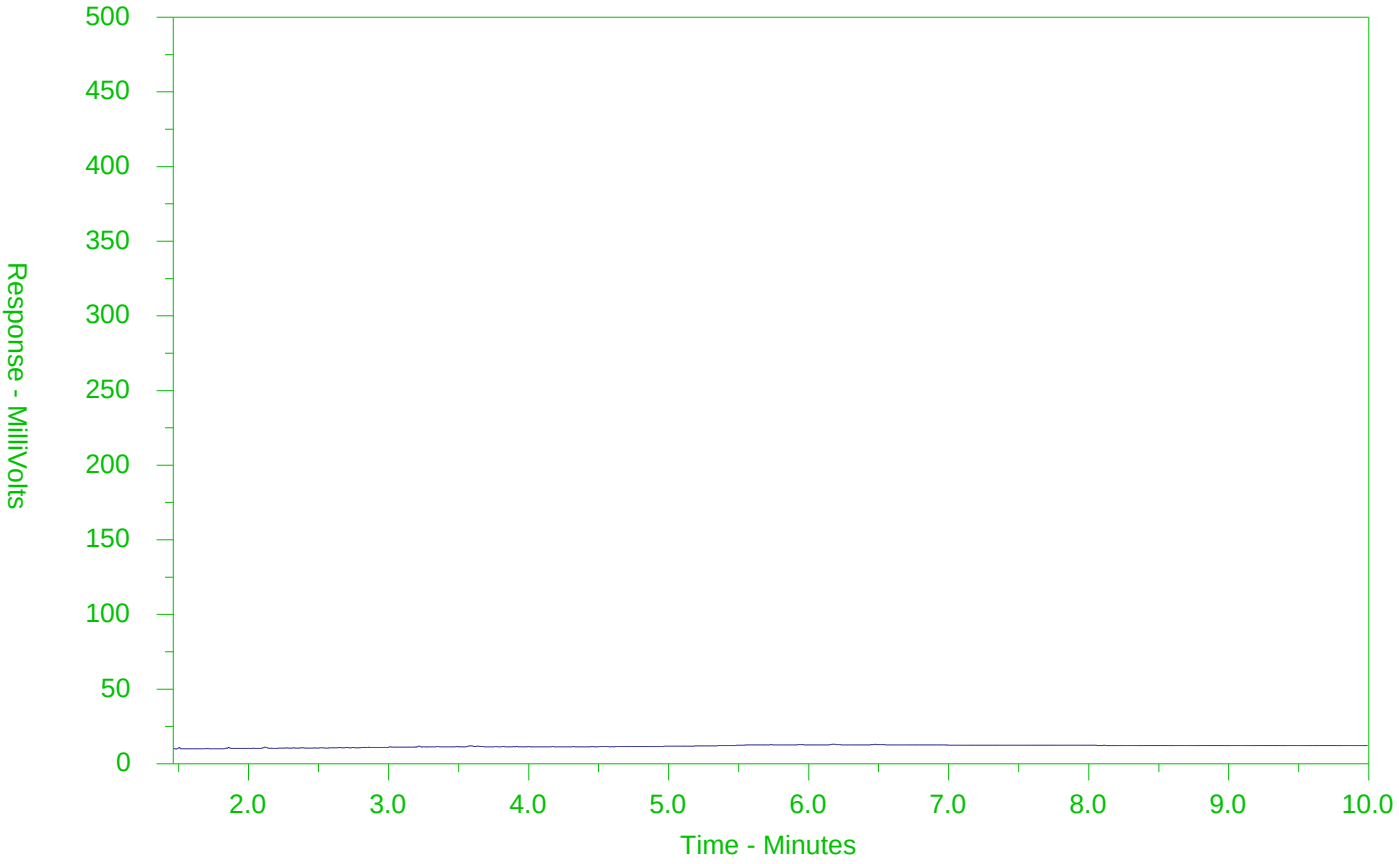
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-19
Client Sample ID: BH207



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

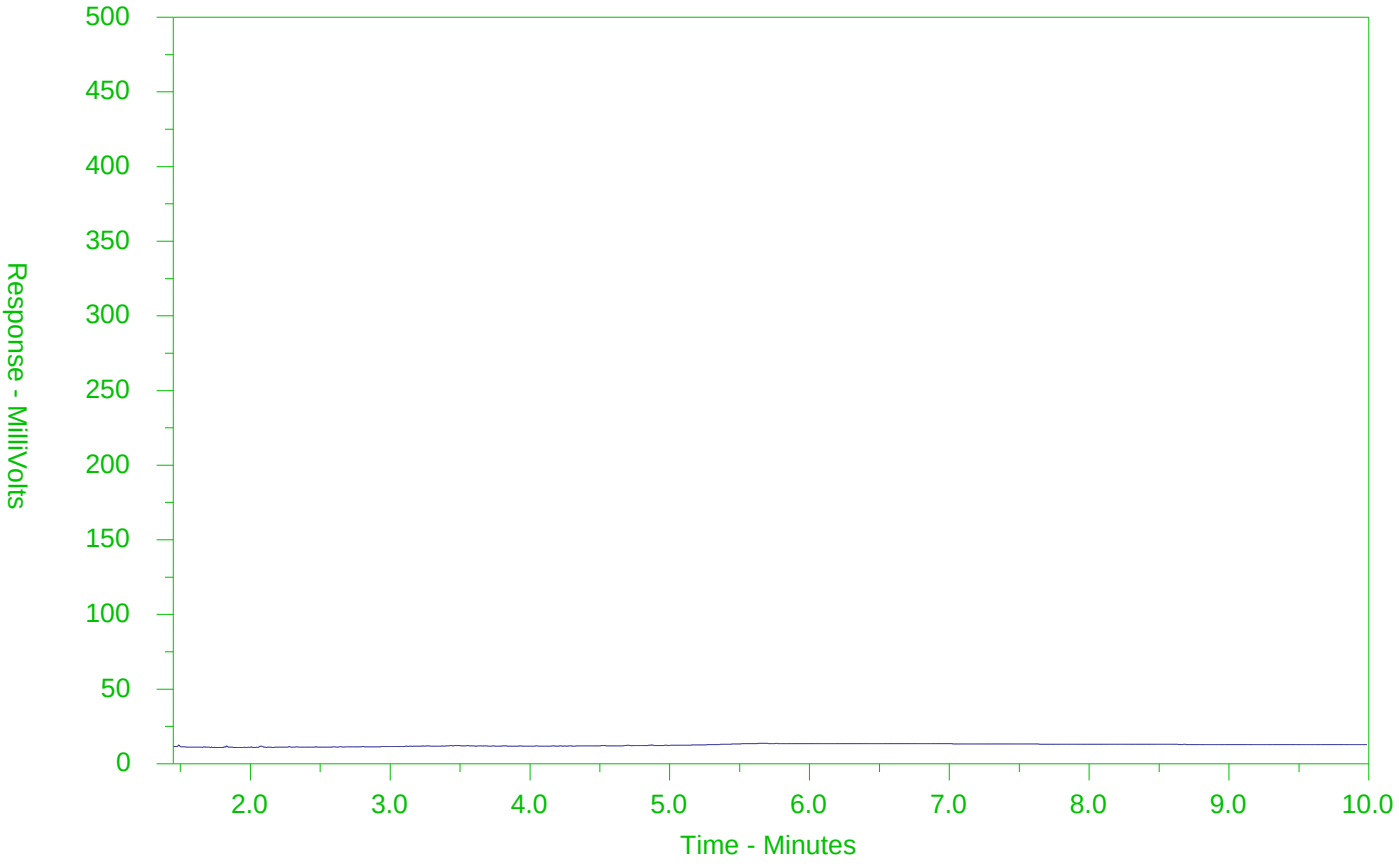
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-20
Client Sample ID: EMW10



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

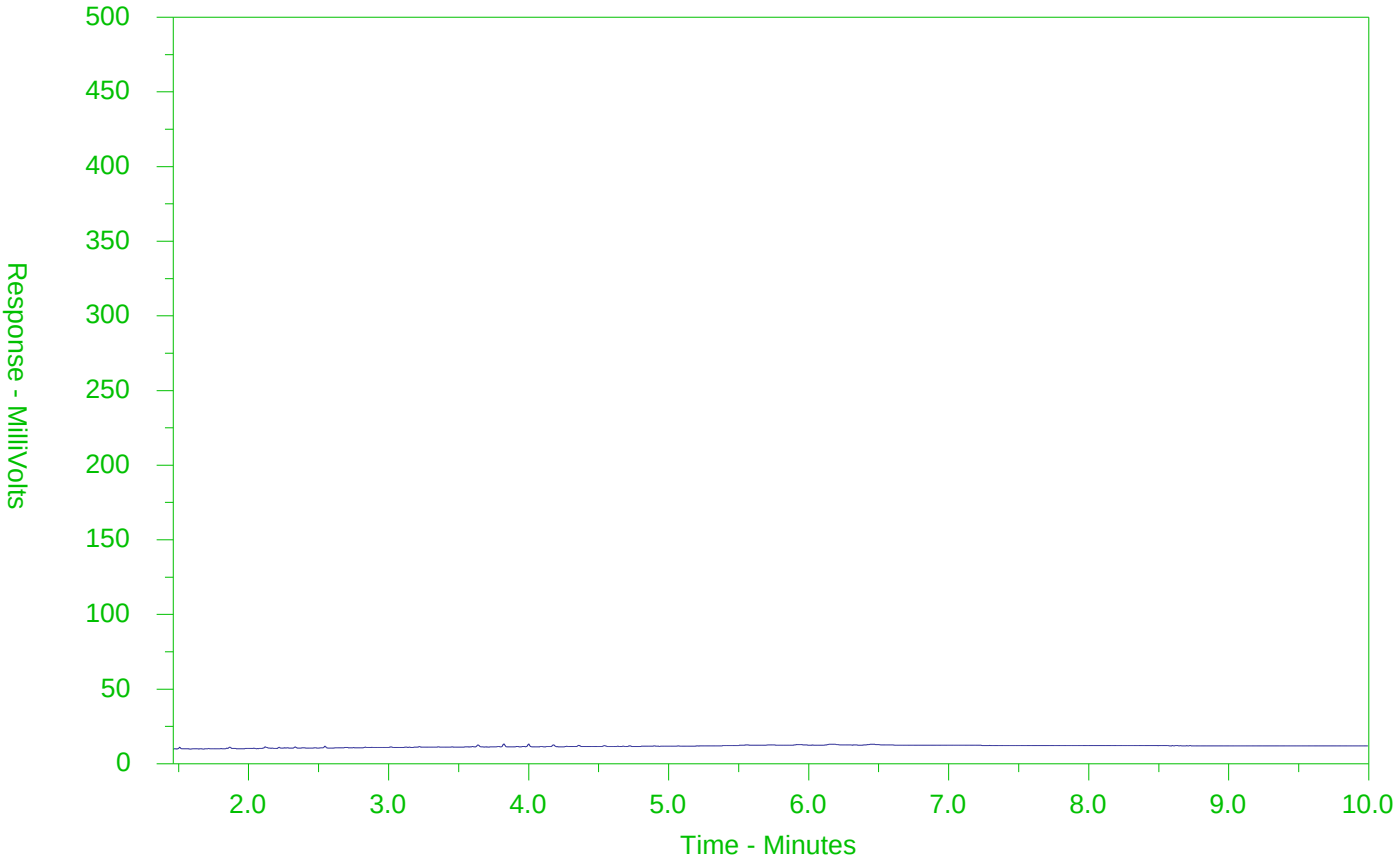
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-21
Client Sample ID: BH208



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

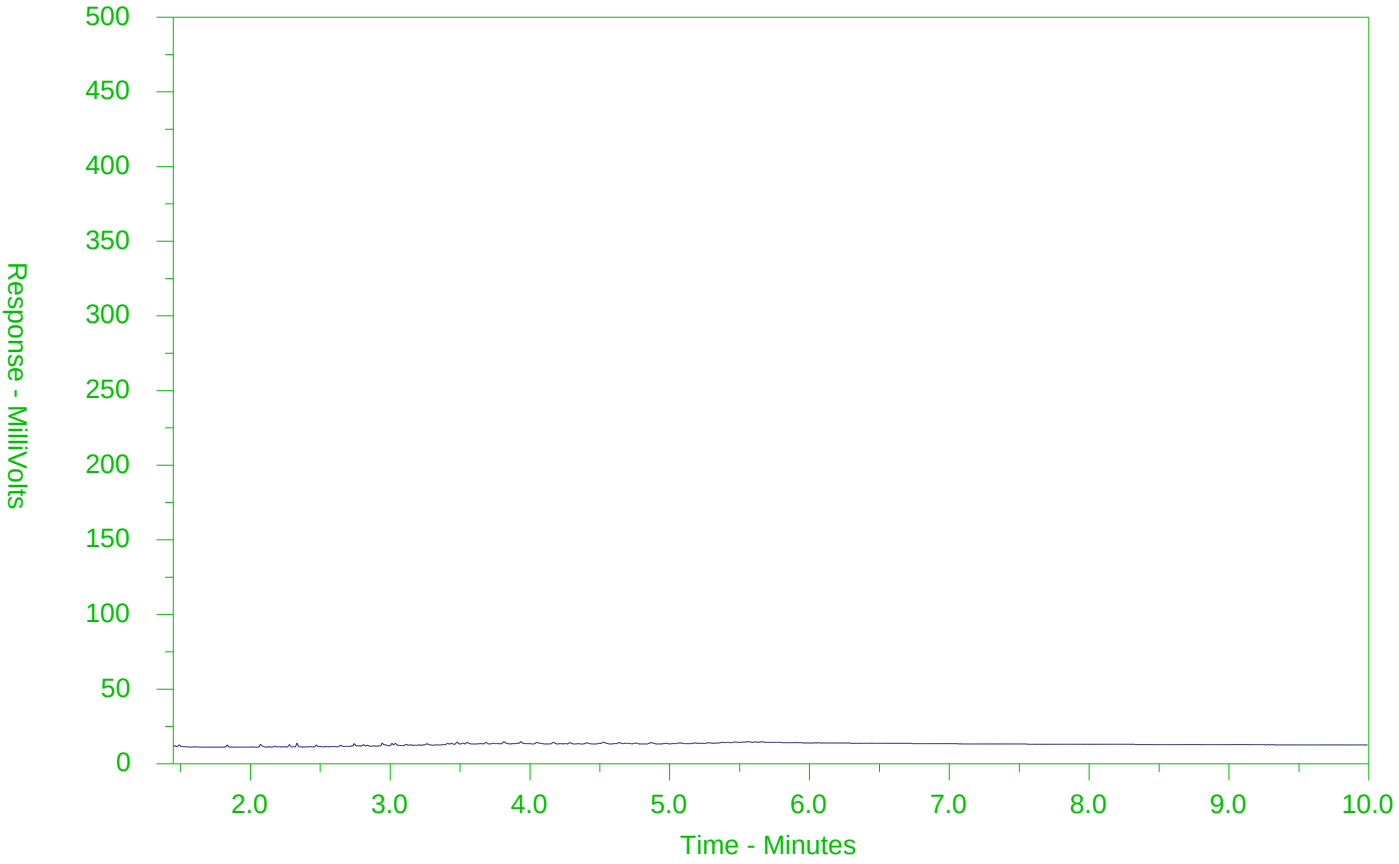
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-22
Client Sample ID: DUP1



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

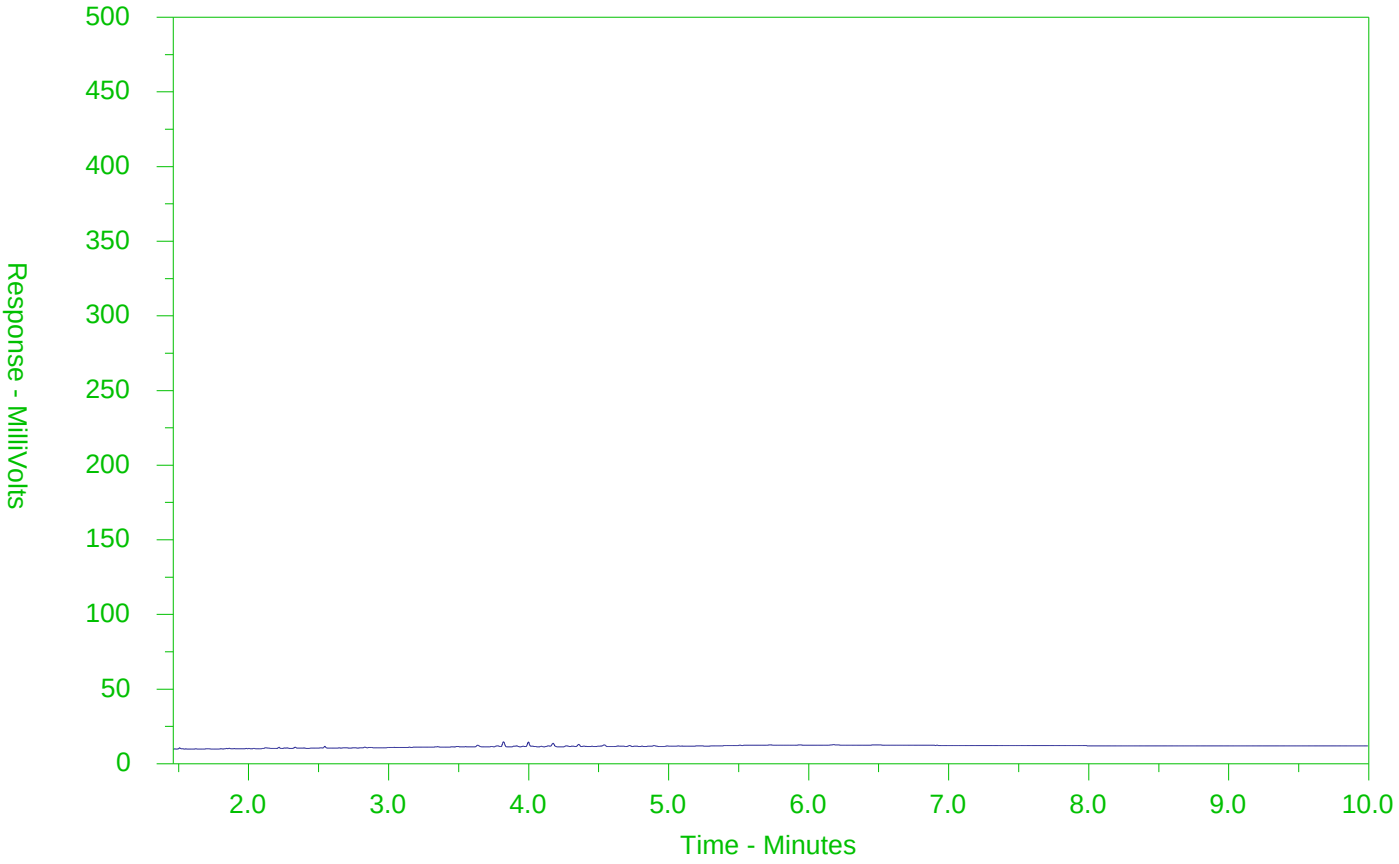
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1916592-23
Client Sample ID: DUP2



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L1916592-COFC

COC Number: 15 -

Page 1 of 1

Report To	Contact and company name below will appear on final report	**Report Format / Distribution**	**Select Service Level Below (Please confirm all rush (E&P) TATs with your Account Manager)**
Company:	Terraprobe	Select Report Format: PDF EXCEL EDD (DIGITAL)	Routine [R] Standard TAT if received by 3 pm - business days - no surcharges apply
Contact:	Suvish Melanta	Quality Control (QC) Report with Report YES NO	PRIORITY: 4 day [P4] ☐ / 3 day [P3] ☐ / 2 day [P2] ☐ — EMERGENCY: 1 day [E1] ☐ / Same Day, Weekend or Statutory holiday [E0] ☐
Address:	11 Indel Lane Brampton, ON L6T 3Y3	Compare Results to Criteria on Report - provide details below if box checked	Date and Time Required for all E&P TATs (Not all requests are available in 1-2 days): dd-mmm-yy hh:mm
Phone:	(905) 796-2650	Select Distribution: EMAIL MAIL FAX	Surcharges may apply to all E&P levels of service - contact ALS to confirm TAT
		Email 1 or Fax: SMelanta@terraprobe.ca	
		Email 2: Matt@terraprobe.ca	
		Email 3:	

Invoice To	Same as Report To YES NO	**Invoice Distribution**	**Analysis Request**
	Copy of Invoice with Report YES NO	Select Invoice Distribution: EMAIL MAIL FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax: accounting@terraprobe.ca	
Contact:		Email 2:	

Project Information		**Oil and Gas Required Fields (client use)**	
ALS Account # / Quote #:	Account: 15918 / Quote:	AFE/Cost Center:	PO#:
Job #:	1-17-0147	Major/Minor Code:	Routing Code:
PO / AFE:	1-17-0147	Requisitioner:	
LSD:	n/a	Location:	
ALS Lab Work Order # (lab use only):	CV16542 MM 25A	ALS Contact: E. Perez	Sampler: MARK/NICK

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals and Inorganics	PAHs	BTEX / F1-F4	VOCs	Number of Containers
13	BH202	21-Apr-17	12:00	GW	X	X	X	X	12
14	BH203		12:30	GW	X	X	X	X	12
15	BH204		13:00	GW	X	X	X	X	12
16	EMW9		13:30	GW	X	X	X	X	12
17	BH205		14:00	GW	X	X	X	X	12
18	BH206		14:30	GW	X	X	X	X	12
19	BH207		15:00	GW	X	X	X	X	12
20	EMW10		15:30	GW	X	X	X	X	12
21	BH208		16:00	GW	X	X	X	X	12
22	DUP1		12:00	GW	X	X	X	X	12
23	DUP2	✓	16:00	GW	X	X	X	X	12
24	TRIP BLANK						X	X	4

Drinking Water (DW) Samples[1] (client use)	**Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (client use)**	**SAMPLE CONDITION AS RECEIVED (lab use only)**
Are samples taken from a Regulated DW System? YES NO		Frozen ☐ SIF Observations Yes ☐ No ☐
Are samples for human drinking water use? YES NO		Ice Packs ☐ Ice Cubes ☒ Custody seal intact Yes ☐ No ☐
		Cooling Initiated ☐
		INITIAL COOLER TEMPERATURES °C: 18.9 / 10
		FINAL COOLER TEMPERATURES °C: 4.2 / 11.3 / 2.2

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
							24/4/17	18:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L1916592-COFC

COC Number: 15 -

Page 1 of 1

Report To	Contact and company name below will appear on final report	Report Format / Distribution	Select Service Level Below (Please confirm all rush (E&P) TATs with your Account Manager)
Company:	Terraprobe	Select Report Format: PDF EXCEL EDD (DIGITAL)	Routine [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply
Contact:	Suvish Melanta	Quality Control (QC) Report with Report YES NO	PRIORITY: 4 day [P4] ☐ / 3 day [P3] ☐ / 2 day [P2] ☐ — EMERGENCY: 1 day [E1] ☐ / Same Day, Weekend or Statutory holiday [E0] ☐
Address:	11 Indel Lane. Brampton, ON L6T 3Y3	☑ Compare Results to Criteria on Report - provide details below if box checked	Date and Time Required for all E&P TATs (Not all requests are available in 1-2 days): dd-mmm-yy hh:mm
Phone:	(905) 796-2650	Select Distribution: EMAIL MAIL FAX	Surcharges may apply to all E&P levels of service - contact ALS to confirm TAT
		Email 1 or Fax: SMelanta@terraprobe.ca	
		Email 2: Matt@terraprobe.ca	
		Email 3:	

Invoice To	Same as Report To YES NO	Invoice Distribution	Analysis Request
	Copy of Invoice with Report YES NO	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:		Email 1 or Fax: accounting@terraprobe.ca	
Contact:		Email 2:	

Project Information		Oil and Gas Required Fields (client use)	
ALS Account # / Quote #:	Account: 15918 / Quote:	AFE/Cost Center:	PO#:
Job #:	1-17-0147	Major/Minor Code:	Routing Code:
PO / AFE:	1-17-0147	Requisitioner:	
LSD:	n/a	Location:	
ALS Lab Work Order # (lab use only):	L1916592	ALS Contact: E. Perez	Sampler: MARK/NICK

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals and Inorganics	PAHs	BTEX / F1-F4	VOCs	Number of Containers
1	TBH 116	20-Apr-17	10:00	GW	X	X	X	X	12
2	EMW1	20-Apr-17	11:00	GW	X	X	X	X	12
3	EMW2	20-Apr-17	12:00	GW	X	X	X	X	12
4	EMW3	20-Apr-17	13:00	GW	X	X	X	X	12
5	EMW4	20-Apr-17	14:00	GW	X	X	X	X	12
6	EMW5	21-Apr-17	8:30	GW	X	X	X	X	12
7	EMW6	21-Apr-17	9:00	GW	X	X	X	X	12
8	EMW7	21-Apr-17	9:30	GW	X	X	X	X	12
9	BH209	21-Apr-17	10:00	GW	X	X	X	X	12
10	BH210	21-Apr-17	10:30	GW	X	X	X	X	12
11	BH201	21-Apr-17	11:00	GW	X	X	X	X	12
12	EMW8	21-Apr-17	11:30	GW	X	X	X	X	12

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (client Use)	SAMPLE CONDITION AS RECEIVED (lab use only)
Are samples taken from a Regulated DW System? YES NO		Frozen ☐ SIF Observations Yes ☐ No ☐
Are samples for human drinking water use? YES NO		Ice Packs ☐ Ice Cubes ☑ Custody seal intact Yes ☐ No ☐
		Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C
18.4 10.9	42 11.3 2.2

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: aj	Date: 24/4/17	Time: 18:50

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

TERRAPROBE-BRAMPTON
ATTN: Suvish Melanta
11 Indell Lane
Brampton ON L6T 3Y3

Date Received: 06-JUL-17
Report Date: 13-JUL-17 09:47 (MT)
Version: FINAL

Client Phone: 905-796-2650

Certificate of Analysis

Lab Work Order #: L1954617

Project P.O. #: NOT SUBMITTED
Job Reference: 1-17-0147-42
C of C Numbers: 15-548319
Legal Site Desc:

Emerson Perez, B.S.E
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-1 BH301						
Sampled By: CLIENT on 05-JUL-17 @ 10:00						
Matrix: WATER						
Physical Tests						
Conductivity	0.781		0.0030	mS/cm	07-JUL-17	
pH	8.13		0.10	pH units	07-JUL-17	
Anions and Nutrients						
Chloride (Cl)	106		0.50	mg/L	10-JUL-17	790
Cyanides						
Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	07-JUL-17	66
Dissolved Metals						
Dissolved Mercury Filtration Location	FIELD			No Unit	07-JUL-17	
Dissolved Metals Filtration Location	FIELD			No Unit	07-JUL-17	
Antimony (Sb)-Dissolved	0.49		0.10	ug/L	09-JUL-17	6
Arsenic (As)-Dissolved	2.59		0.10	ug/L	09-JUL-17	25
Barium (Ba)-Dissolved	148		0.10	ug/L	09-JUL-17	1000
Beryllium (Be)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	4
Boron (B)-Dissolved	52		10	ug/L	09-JUL-17	5000
Cadmium (Cd)-Dissolved	0.015		0.010	ug/L	09-JUL-17	2.7
Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	50
Cobalt (Co)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	3.8
Copper (Cu)-Dissolved	5.71		0.20	ug/L	09-JUL-17	87
Lead (Pb)-Dissolved	0.425		0.050	ug/L	09-JUL-17	10
Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	07-JUL-17	0.29
Molybdenum (Mo)-Dissolved	34.6		0.050	ug/L	09-JUL-17	70
Nickel (Ni)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	100
Selenium (Se)-Dissolved	0.163		0.050	ug/L	09-JUL-17	10
Silver (Ag)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	1.5
Sodium (Na)-Dissolved	53600		500	ug/L	09-JUL-17	490000
Thallium (Tl)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2
Uranium (U)-Dissolved	4.06		0.010	ug/L	09-JUL-17	20
Vanadium (V)-Dissolved	1.11		0.50	ug/L	09-JUL-17	6.2
Zinc (Zn)-Dissolved	5.9		1.0	ug/L	09-JUL-17	1100
Speciated Metals						
Chromium, Hexavalent	<1.0		1.0	ug/L	07-JUL-17	25
Volatile Organic Compounds						
Acetone	<30		30	ug/L	07-JUL-17	2700
Benzene	<0.50		0.50	ug/L	07-JUL-17	5
Bromodichloromethane	<2.0		2.0	ug/L	07-JUL-17	16
Bromoform	<5.0		5.0	ug/L	07-JUL-17	25
Bromomethane	<0.50		0.50	ug/L	07-JUL-17	0.89
Carbon tetrachloride	<0.20		0.20	ug/L	07-JUL-17	0.79
Chlorobenzene	<0.50		0.50	ug/L	07-JUL-17	30
Dibromochloromethane	<2.0		2.0	ug/L	07-JUL-17	25
Chloroform	<1.0		1.0	ug/L	07-JUL-17	2.4
1,2-Dibromoethane	<0.20		0.20	ug/L	07-JUL-17	0.2
1,2-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	3
1,3-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	59
1,4-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	1

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-1 BH301						
Sampled By: CLIENT on 05-JUL-17 @ 10:00						
Matrix: WATER						
Volatile Organic Compounds						
Dichlorodifluoromethane	<2.0		2.0	ug/L	07-JUL-17	590
1,1-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	5
1,2-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	1.6
1,1-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Methylene Chloride	<5.0		5.0	ug/L	07-JUL-17	50
1,2-Dichloropropane	<0.50		0.50	ug/L	07-JUL-17	5
cis-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
trans-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	07-JUL-17	0.5
Ethylbenzene	<0.50		0.50	ug/L	07-JUL-17	2.4
n-Hexane	<0.50		0.50	ug/L	07-JUL-17	51
Methyl Ethyl Ketone	<20		20	ug/L	07-JUL-17	1800
Methyl Isobutyl Ketone	<20		20	ug/L	07-JUL-17	640
MTBE	<2.0		2.0	ug/L	07-JUL-17	15
Styrene	<0.50		0.50	ug/L	07-JUL-17	5.4
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1.1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1
Tetrachloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Toluene	<0.50		0.50	ug/L	07-JUL-17	24
1,1,1-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	200
1,1,2-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	4.7
Trichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Trichlorofluoromethane	<5.0		5.0	ug/L	07-JUL-17	150
Vinyl chloride	<0.50		0.50	ug/L	07-JUL-17	0.5
o-Xylene	<0.30		0.30	ug/L	07-JUL-17	
m+p-Xylenes	<0.40		0.40	ug/L	07-JUL-17	
Xylenes (Total)	<0.50		0.50	ug/L	07-JUL-17	300
Surrogate: 4-Bromofluorobenzene	97.5		70-130	%	07-JUL-17	
Surrogate: 1,4-Difluorobenzene	100.7		70-130	%	07-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<25		25	ug/L	07-JUL-17	750
F1-BTEX	<25		25	ug/L	13-JUL-17	750
F2 (C10-C16)	<100		100	ug/L	07-JUL-17	150
F2-Naphth	<100		100	ug/L	13-JUL-17	
F3 (C16-C34)	<250		250	ug/L	07-JUL-17	500
F3-PAH	<250		250	ug/L	13-JUL-17	
F4 (C34-C50)	<250		250	ug/L	07-JUL-17	500
Total Hydrocarbons (C6-C50)	<370		370	ug/L	13-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	07-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	103.0		60-140	%	07-JUL-17	
Surrogate: 3,4-Dichlorotoluene	89.1		60-140	%	07-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.020		0.020	ug/L	13-JUL-17	4.1
Acenaphthylene	<0.020		0.020	ug/L	13-JUL-17	1

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-1 BH301						
Sampled By: CLIENT on 05-JUL-17 @ 10:00						
Matrix: WATER						
Polycyclic Aromatic Hydrocarbons						
Anthracene	<0.020		0.020	ug/L	13-JUL-17	2.4
Benzo(a)anthracene	<0.020		0.020	ug/L	13-JUL-17	1
Benzo(a)pyrene	<0.010		0.010	ug/L	13-JUL-17	0.01
Benzo(b)fluoranthene	<0.020		0.020	ug/L	13-JUL-17	0.1
Benzo(g,h,i)perylene	<0.020		0.020	ug/L	13-JUL-17	0.2
Benzo(k)fluoranthene	<0.020		0.020	ug/L	13-JUL-17	0.1
Chrysene	<0.020		0.020	ug/L	13-JUL-17	0.1
Dibenzo(ah)anthracene	<0.020		0.020	ug/L	13-JUL-17	0.2
Fluoranthene	<0.020		0.020	ug/L	13-JUL-17	0.41
Fluorene	<0.020		0.020	ug/L	13-JUL-17	120
Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	13-JUL-17	0.2
1+2-Methylnaphthalenes	0.034		0.028	ug/L	13-JUL-17	3.2
1-Methylnaphthalene	<0.020		0.020	ug/L	13-JUL-17	3.2
2-Methylnaphthalene	0.034		0.020	ug/L	13-JUL-17	3.2
Naphthalene	<0.050		0.050	ug/L	13-JUL-17	11
Phenanthrene	<0.020		0.020	ug/L	13-JUL-17	1
Pyrene	<0.020		0.020	ug/L	13-JUL-17	4.1
Surrogate: d10-Acenaphthene	115.6		60-140	%	13-JUL-17	
Surrogate: d12-Chrysene	122.3		60-140	%	13-JUL-17	
Surrogate: d8-Naphthalene	112.5		60-140	%	13-JUL-17	
Surrogate: d10-Phenanthrene	119.8		60-140	%	13-JUL-17	
L1954617-2 BH302						
Sampled By: CLIENT on 05-JUL-17 @ 11:30						
Matrix: WATER						#1
Physical Tests						
Conductivity	0.588		0.0030	mS/cm	07-JUL-17	
pH	8.03		0.10	pH units	07-JUL-17	
Anions and Nutrients						
Chloride (Cl)	24.1		0.50	mg/L	10-JUL-17	790
Cyanides						
Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	07-JUL-17	66
Dissolved Metals						
Dissolved Mercury Filtration Location	FIELD			No Unit	07-JUL-17	
Dissolved Metals Filtration Location	FIELD			No Unit	07-JUL-17	
Antimony (Sb)-Dissolved	0.23		0.10	ug/L	09-JUL-17	6
Arsenic (As)-Dissolved	2.04		0.10	ug/L	09-JUL-17	25
Barium (Ba)-Dissolved	116		0.10	ug/L	09-JUL-17	1000
Beryllium (Be)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	4
Boron (B)-Dissolved	67		10	ug/L	09-JUL-17	5000
Cadmium (Cd)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2.7
Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	50
Cobalt (Co)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	3.8
Copper (Cu)-Dissolved	0.21		0.20	ug/L	09-JUL-17	87
Lead (Pb)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	10
Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	07-JUL-17	

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-2 BH302						
Sampled By: CLIENT on 05-JUL-17 @ 11:30						
Matrix: WATER						
Dissolved Metals						
						0.29
Molybdenum (Mo)-Dissolved	14.8		0.050	ug/L	09-JUL-17	70
Nickel (Ni)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	100
Selenium (Se)-Dissolved	0.402		0.050	ug/L	09-JUL-17	10
Silver (Ag)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	1.5
Sodium (Na)-Dissolved	26700		500	ug/L	09-JUL-17	490000
Thallium (Tl)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2
Uranium (U)-Dissolved	1.90		0.010	ug/L	09-JUL-17	20
Vanadium (V)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	6.2
Zinc (Zn)-Dissolved	<1.0		1.0	ug/L	09-JUL-17	1100
Speciated Metals						
Chromium, Hexavalent	<1.0		1.0	ug/L	10-JUL-17	25
Volatile Organic Compounds						
Acetone	<30		30	ug/L	10-JUL-17	2700
Benzene	<0.50		0.50	ug/L	10-JUL-17	5
Bromodichloromethane	<2.0		2.0	ug/L	10-JUL-17	16
Bromoform	<5.0		5.0	ug/L	10-JUL-17	25
Bromomethane	<0.50		0.50	ug/L	10-JUL-17	0.89
Carbon tetrachloride	<0.20		0.20	ug/L	10-JUL-17	0.79
Chlorobenzene	<0.50		0.50	ug/L	10-JUL-17	30
Dibromochloromethane	<2.0		2.0	ug/L	10-JUL-17	25
Chloroform	<1.0		1.0	ug/L	10-JUL-17	2.4
1,2-Dibromoethane	<0.20		0.20	ug/L	10-JUL-17	0.2
1,2-Dichlorobenzene	<0.50		0.50	ug/L	10-JUL-17	3
1,3-Dichlorobenzene	<0.50		0.50	ug/L	10-JUL-17	59
1,4-Dichlorobenzene	<0.50		0.50	ug/L	10-JUL-17	1
Dichlorodifluoromethane	<2.0		2.0	ug/L	10-JUL-17	590
1,1-Dichloroethane	<0.50		0.50	ug/L	10-JUL-17	5
1,2-Dichloroethane	<0.50		0.50	ug/L	10-JUL-17	1.6
1,1-Dichloroethylene	<0.50		0.50	ug/L	10-JUL-17	1.6
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	10-JUL-17	1.6
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	10-JUL-17	1.6
Methylene Chloride	<5.0		5.0	ug/L	10-JUL-17	50
1,2-Dichloropropane	<0.50		0.50	ug/L	10-JUL-17	5
cis-1,3-Dichloropropene	<0.30		0.30	ug/L	10-JUL-17	
trans-1,3-Dichloropropene	<0.30		0.30	ug/L	10-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	10-JUL-17	0.5
Ethylbenzene	<0.50		0.50	ug/L	10-JUL-17	2.4
n-Hexane	<0.50		0.50	ug/L	10-JUL-17	51
Methyl Ethyl Ketone	<20		20	ug/L	10-JUL-17	1800
Methyl Isobutyl Ketone	<20		20	ug/L	10-JUL-17	640
MTBE	<2.0		2.0	ug/L	10-JUL-17	15
Styrene	<0.50		0.50	ug/L	10-JUL-17	5.4
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	10-JUL-17	1.1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	10-JUL-17	1

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-2 BH302						
Sampled By: CLIENT on 05-JUL-17 @ 11:30						
Matrix: WATER						
Volatile Organic Compounds						
Tetrachloroethylene	<0.50		0.50	ug/L	10-JUL-17	1.6
Toluene	<0.50		0.50	ug/L	10-JUL-17	24
1,1,1-Trichloroethane	<0.50		0.50	ug/L	10-JUL-17	200
1,1,2-Trichloroethane	<0.50		0.50	ug/L	10-JUL-17	4.7
Trichloroethylene	<0.50		0.50	ug/L	10-JUL-17	1.6
Trichlorofluoromethane	<5.0		5.0	ug/L	10-JUL-17	150
Vinyl chloride	<0.50		0.50	ug/L	10-JUL-17	0.5
o-Xylene	<0.30		0.30	ug/L	10-JUL-17	
m+p-Xylenes	<0.40		0.40	ug/L	10-JUL-17	
Xylenes (Total)	<0.50		0.50	ug/L	10-JUL-17	300
Surrogate: 4-Bromofluorobenzene	98.2		70-130	%	10-JUL-17	
Surrogate: 1,4-Difluorobenzene	103.8		70-130	%	10-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<25		25	ug/L	10-JUL-17	750
F1-BTEX	<25		25	ug/L	13-JUL-17	750
F2 (C10-C16)	<100		100	ug/L	07-JUL-17	150
F2-Naphth	<100		100	ug/L	13-JUL-17	
F3 (C16-C34)	370		250	ug/L	07-JUL-17	500
F3-PAH	360		250	ug/L	13-JUL-17	
F4 (C34-C50)	<250		250	ug/L	07-JUL-17	500
Total Hydrocarbons (C6-C50)	<370		370	ug/L	13-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	07-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	108.6		60-140	%	07-JUL-17	
Surrogate: 3,4-Dichlorotoluene	94.3		60-140	%	10-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	3.15		0.020	ug/L	13-JUL-17	4.1
Acenaphthylene	0.042		0.020	ug/L	13-JUL-17	1
Anthracene	0.331		0.020	ug/L	13-JUL-17	2.4
Benzo(a)anthracene	0.045		0.020	ug/L	13-JUL-17	1
Benzo(a)pyrene	0.015		0.010	ug/L	13-JUL-17	*0.01
Benzo(b)fluoranthene	0.025		0.020	ug/L	13-JUL-17	0.1
Benzo(g,h,i)perylene	<0.020		0.020	ug/L	13-JUL-17	0.2
Benzo(k)fluoranthene	<0.020		0.020	ug/L	13-JUL-17	0.1
Chrysene	0.038		0.020	ug/L	13-JUL-17	0.1
Dibenzo(ah)anthracene	<0.020		0.020	ug/L	13-JUL-17	0.2
Fluoranthene	0.444		0.020	ug/L	13-JUL-17	*0.41
Fluorene	1.89		0.020	ug/L	13-JUL-17	120
Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	13-JUL-17	0.2
1+2-Methylnaphthalenes	3.95		0.028	ug/L	13-JUL-17	*3.2
1-Methylnaphthalene	1.55		0.020	ug/L	13-JUL-17	3.2
2-Methylnaphthalene	2.40		0.020	ug/L	13-JUL-17	3.2
Naphthalene	8.74	DLHC	0.50	ug/L	13-JUL-17	11
Phenanthrene	2.39		0.020	ug/L	13-JUL-17	*1
Pyrene	0.277		0.020	ug/L	13-JUL-17	4.1
Surrogate: d10-Acenaphthene	122.1		60-140	%	13-JUL-17	
Surrogate: d12-Chrysene	126.4		60-140	%	13-JUL-17	

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1954617-2 BH302						
Sampled By: CLIENT on 05-JUL-17 @ 11:30						
Matrix: WATER						#1
Polycyclic Aromatic Hydrocarbons						
Surrogate: d8-Naphthalene	112.1		60-140	%	13-JUL-17	
Surrogate: d10-Phenanthrene	126.1		60-140	%	13-JUL-17	
L1954617-3 BH303						
Sampled By: CLIENT on 05-JUL-17 @ 09:00						
Matrix: WATER						#1
Physical Tests						
Conductivity	0.489		0.0030	mS/cm	07-JUL-17	
pH	8.11		0.10	pH units	07-JUL-17	
Anions and Nutrients						
Chloride (Cl)	40.2		0.50	mg/L	10-JUL-17	790
Cyanides						
Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	07-JUL-17	66
Dissolved Metals						
Dissolved Mercury Filtration Location	FIELD			No Unit	07-JUL-17	
Dissolved Metals Filtration Location	FIELD			No Unit	07-JUL-17	
Antimony (Sb)-Dissolved	0.16		0.10	ug/L	09-JUL-17	6
Arsenic (As)-Dissolved	0.65		0.10	ug/L	09-JUL-17	25
Barium (Ba)-Dissolved	42.0		0.10	ug/L	09-JUL-17	1000
Beryllium (Be)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	4
Boron (B)-Dissolved	75		10	ug/L	09-JUL-17	5000
Cadmium (Cd)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2.7
Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	50
Cobalt (Co)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	3.8
Copper (Cu)-Dissolved	0.40		0.20	ug/L	09-JUL-17	87
Lead (Pb)-Dissolved	0.053		0.050	ug/L	09-JUL-17	10
Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	07-JUL-17	0.29
Molybdenum (Mo)-Dissolved	10.8		0.050	ug/L	09-JUL-17	70
Nickel (Ni)-Dissolved	0.53		0.50	ug/L	09-JUL-17	100
Selenium (Se)-Dissolved	0.325		0.050	ug/L	09-JUL-17	10
Silver (Ag)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	1.5
Sodium (Na)-Dissolved	47200		500	ug/L	09-JUL-17	490000
Thallium (Tl)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2
Uranium (U)-Dissolved	0.757		0.010	ug/L	09-JUL-17	20
Vanadium (V)-Dissolved	0.90		0.50	ug/L	09-JUL-17	6.2
Zinc (Zn)-Dissolved	3.8		1.0	ug/L	09-JUL-17	1100
Speciated Metals						
Chromium, Hexavalent	<1.0		1.0	ug/L	10-JUL-17	25
Volatile Organic Compounds						
Acetone	<30		30	ug/L	07-JUL-17	2700
Benzene	<0.50		0.50	ug/L	07-JUL-17	5
Bromodichloromethane	<2.0		2.0	ug/L	07-JUL-17	16
Bromoform	<5.0		5.0	ug/L	07-JUL-17	25
Bromomethane	<0.50		0.50	ug/L	07-JUL-17	0.89
Carbon tetrachloride	<0.20		0.20	ug/L	07-JUL-17	0.79

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-3 BH303						
Sampled By: CLIENT on 05-JUL-17 @ 09:00						
Matrix: WATER						
Volatile Organic Compounds						
Chlorobenzene	<0.50		0.50	ug/L	07-JUL-17	30
Dibromochloromethane	<2.0		2.0	ug/L	07-JUL-17	25
Chloroform	<1.0		1.0	ug/L	07-JUL-17	2.4
1,2-Dibromoethane	<0.20		0.20	ug/L	07-JUL-17	0.2
1,2-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	3
1,3-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	59
1,4-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	1
Dichlorodifluoromethane	<2.0		2.0	ug/L	07-JUL-17	590
1,1-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	5
1,2-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	1.6
1,1-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
cis-1,2-Dichloroethylene	63.8		0.50	ug/L	07-JUL-17	*1.6
trans-1,2-Dichloroethylene	0.55		0.50	ug/L	07-JUL-17	1.6
Methylene Chloride	<5.0		5.0	ug/L	07-JUL-17	50
1,2-Dichloropropane	<0.50		0.50	ug/L	07-JUL-17	5
cis-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
trans-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	07-JUL-17	0.5
Ethylbenzene	<0.50		0.50	ug/L	07-JUL-17	2.4
n-Hexane	<0.50		0.50	ug/L	07-JUL-17	51
Methyl Ethyl Ketone	<20		20	ug/L	07-JUL-17	1800
Methyl Isobutyl Ketone	<20		20	ug/L	07-JUL-17	640
MTBE	<2.0		2.0	ug/L	07-JUL-17	15
Styrene	<0.50		0.50	ug/L	07-JUL-17	5.4
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1.1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1
Tetrachloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Toluene	<0.50		0.50	ug/L	07-JUL-17	24
1,1,1-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	200
1,1,2-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	4.7
Trichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Trichlorofluoromethane	<5.0		5.0	ug/L	07-JUL-17	150
Vinyl chloride	5.49		0.50	ug/L	07-JUL-17	*0.5
o-Xylene	<0.30		0.30	ug/L	07-JUL-17	
m+p-Xylenes	<0.40		0.40	ug/L	07-JUL-17	
Xylenes (Total)	<0.50		0.50	ug/L	07-JUL-17	300
Surrogate: 4-Bromofluorobenzene	96.5		70-130	%	07-JUL-17	
Surrogate: 1,4-Difluorobenzene	100.0		70-130	%	07-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<25		25	ug/L	07-JUL-17	750
F1-BTEX	<25		25	ug/L	12-JUL-17	750
F2 (C10-C16)	<100		100	ug/L	07-JUL-17	150
F2-Naphth	<100		100	ug/L	12-JUL-17	
F3 (C16-C34)	<250		250	ug/L	07-JUL-17	500
F3-PAH	<250		250	ug/L	12-JUL-17	
F4 (C34-C50)	<250		250	ug/L	07-JUL-17	500

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping	Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1954617-3	BH303						
Sampled By:	CLIENT on 05-JUL-17 @ 09:00						
Matrix:	WATER						#1
Hydrocarbons							
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	12-JUL-17	
	Chrom. to baseline at nC50	YES			No Unit	07-JUL-17	
	Surrogate: 2-Bromobenzotrifluoride	97.3		60-140	%	07-JUL-17	
	Surrogate: 3,4-Dichlorotoluene	92.7		60-140	%	07-JUL-17	
Polycyclic Aromatic Hydrocarbons							
	Acenaphthene	0.026		0.020	ug/L	12-JUL-17	4.1
	Acenaphthylene	<0.020		0.020	ug/L	12-JUL-17	1
	Anthracene	<0.020		0.020	ug/L	12-JUL-17	2.4
	Benzo(a)anthracene	0.023		0.020	ug/L	12-JUL-17	1
	Benzo(a)pyrene	<0.010		0.010	ug/L	12-JUL-17	0.01
	Benzo(b)fluoranthene	0.037		0.020	ug/L	12-JUL-17	0.1
	Benzo(g,h,i)perylene	<0.020		0.020	ug/L	12-JUL-17	0.2
	Benzo(k)fluoranthene	<0.020		0.020	ug/L	12-JUL-17	0.1
	Chrysene	<0.042	DLQ	0.042	ug/L	12-JUL-17	0.1
	Dibenzo(ah)anthracene	<0.020		0.020	ug/L	12-JUL-17	0.2
	Fluoranthene	0.241		0.020	ug/L	12-JUL-17	0.41
	Fluorene	0.050		0.020	ug/L	12-JUL-17	120
	Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	12-JUL-17	0.2
	1+2-Methylnaphthalenes	<0.028		0.028	ug/L	12-JUL-17	3.2
	1-Methylnaphthalene	<0.020		0.020	ug/L	12-JUL-17	3.2
	2-Methylnaphthalene	<0.020		0.020	ug/L	12-JUL-17	3.2
	Naphthalene	<0.050		0.050	ug/L	12-JUL-17	11
	Phenanthrene	0.442		0.020	ug/L	12-JUL-17	1
	Pyrene	0.105		0.020	ug/L	12-JUL-17	4.1
	Surrogate: d10-Acenaphthene	111.9		60-140	%	12-JUL-17	
	Surrogate: d12-Chrysene	117.7		60-140	%	12-JUL-17	
	Surrogate: d8-Naphthalene	107.9		60-140	%	12-JUL-17	
	Surrogate: d10-Phenanthrene	112.9		60-140	%	12-JUL-17	
L1954617-4	BH304						
Sampled By:	CLIENT on 05-JUL-17 @ 08:00						
Matrix:	WATER						#1
Physical Tests							
	Conductivity	0.526		0.0030	mS/cm	07-JUL-17	
	pH	8.10		0.10	pH units	07-JUL-17	
Anions and Nutrients							
	Chloride (Cl)	29.7		0.50	mg/L	10-JUL-17	790
Cyanides							
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	07-JUL-17	66
Dissolved Metals							
	Dissolved Mercury Filtration Location	FIELD			No Unit	07-JUL-17	
	Dissolved Metals Filtration Location	FIELD			No Unit	07-JUL-17	
	Antimony (Sb)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	6
	Arsenic (As)-Dissolved	0.69		0.10	ug/L	09-JUL-17	25
	Barium (Ba)-Dissolved	232		0.10	ug/L	09-JUL-17	1000
	Beryllium (Be)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	4

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-4 BH304						
Sampled By: CLIENT on 05-JUL-17 @ 08:00						
Matrix: WATER						
Dissolved Metals						
Boron (B)-Dissolved	18		10	ug/L	09-JUL-17	5000
Cadmium (Cd)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2.7
Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	50
Cobalt (Co)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	3.8
Copper (Cu)-Dissolved	0.20		0.20	ug/L	09-JUL-17	87
Lead (Pb)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	10
Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	07-JUL-17	0.29
Molybdenum (Mo)-Dissolved	1.03		0.050	ug/L	09-JUL-17	70
Nickel (Ni)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	100
Selenium (Se)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	10
Silver (Ag)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	1.5
Sodium (Na)-Dissolved	10600		500	ug/L	09-JUL-17	490000
Thallium (Tl)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2
Uranium (U)-Dissolved	1.22		0.010	ug/L	09-JUL-17	20
Vanadium (V)-Dissolved	1.49		0.50	ug/L	09-JUL-17	6.2
Zinc (Zn)-Dissolved	1.8		1.0	ug/L	09-JUL-17	1100
Speciated Metals						
Chromium, Hexavalent	<1.0		1.0	ug/L	10-JUL-17	25
Volatile Organic Compounds						
Acetone	<30		30	ug/L	07-JUL-17	2700
Benzene	<0.50		0.50	ug/L	07-JUL-17	5
Bromodichloromethane	<2.0		2.0	ug/L	07-JUL-17	16
Bromoform	<5.0		5.0	ug/L	07-JUL-17	25
Bromomethane	<0.50		0.50	ug/L	07-JUL-17	0.89
Carbon tetrachloride	<0.20		0.20	ug/L	07-JUL-17	0.79
Chlorobenzene	<0.50		0.50	ug/L	07-JUL-17	30
Dibromochloromethane	<2.0		2.0	ug/L	07-JUL-17	25
Chloroform	<1.0		1.0	ug/L	07-JUL-17	2.4
1,2-Dibromoethane	<0.20		0.20	ug/L	07-JUL-17	0.2
1,2-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	3
1,3-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	59
1,4-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	1
Dichlorodifluoromethane	<2.0		2.0	ug/L	07-JUL-17	590
1,1-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	5
1,2-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	1.6
1,1-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Methylene Chloride	<5.0		5.0	ug/L	07-JUL-17	50
1,2-Dichloropropane	<0.50		0.50	ug/L	07-JUL-17	5
cis-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
trans-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	07-JUL-17	0.5
Ethylbenzene	<0.50		0.50	ug/L	07-JUL-17	2.4
n-Hexane	<0.50		0.50	ug/L	07-JUL-17	51

** Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-4 BH304						
Sampled By: CLIENT on 05-JUL-17 @ 08:00						
Matrix: WATER						
Volatile Organic Compounds						
Methyl Ethyl Ketone	<20		20	ug/L	07-JUL-17	1800
Methyl Isobutyl Ketone	<20		20	ug/L	07-JUL-17	640
MTBE	<2.0		2.0	ug/L	07-JUL-17	15
Styrene	<0.50		0.50	ug/L	07-JUL-17	5.4
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1.1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1
Tetrachloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Toluene	<0.50		0.50	ug/L	07-JUL-17	24
1,1,1-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	200
1,1,2-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	4.7
Trichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Trichlorofluoromethane	<5.0		5.0	ug/L	07-JUL-17	150
Vinyl chloride	<0.50		0.50	ug/L	07-JUL-17	0.5
o-Xylene	<0.30		0.30	ug/L	07-JUL-17	
m+p-Xylenes	<0.40		0.40	ug/L	07-JUL-17	
Xylenes (Total)	<0.50		0.50	ug/L	07-JUL-17	300
Surrogate: 4-Bromofluorobenzene	96.7		70-130	%	07-JUL-17	
Surrogate: 1,4-Difluorobenzene	100.3		70-130	%	07-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<25		25	ug/L	07-JUL-17	750
F1-BTEX	<25		25	ug/L	12-JUL-17	750
F2 (C10-C16)	<100		100	ug/L	07-JUL-17	150
F2-Naphth	<100		100	ug/L	12-JUL-17	
F3 (C16-C34)	<250		250	ug/L	07-JUL-17	500
F3-PAH	<250		250	ug/L	12-JUL-17	
F4 (C34-C50)	<250		250	ug/L	07-JUL-17	500
Total Hydrocarbons (C6-C50)	<370		370	ug/L	12-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	07-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	105.0		60-140	%	07-JUL-17	
Surrogate: 3,4-Dichlorotoluene	94.5		60-140	%	07-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.020		0.020	ug/L	12-JUL-17	4.1
Acenaphthylene	<0.020		0.020	ug/L	12-JUL-17	1
Anthracene	<0.020		0.020	ug/L	12-JUL-17	2.4
Benzo(a)anthracene	<0.020		0.020	ug/L	12-JUL-17	1
Benzo(a)pyrene	<0.010		0.010	ug/L	12-JUL-17	0.01
Benzo(b)fluoranthene	<0.020		0.020	ug/L	12-JUL-17	0.1
Benzo(g,h,i)perylene	<0.020		0.020	ug/L	12-JUL-17	0.2
Benzo(k)fluoranthene	<0.020		0.020	ug/L	12-JUL-17	0.1
Chrysene	<0.020		0.020	ug/L	12-JUL-17	0.1
Dibenzo(ah)anthracene	<0.020		0.020	ug/L	12-JUL-17	0.2
Fluoranthene	<0.020		0.020	ug/L	12-JUL-17	0.41
Fluorene	<0.020		0.020	ug/L	12-JUL-17	120
Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	12-JUL-17	0.2
1+2-Methylnaphthalenes	<0.028		0.028	ug/L	12-JUL-17	3.2
1-Methylnaphthalene	<0.020		0.020	ug/L	12-JUL-17	3.2

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T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits
L1954617-4 BH304						
Sampled By: CLIENT on 05-JUL-17 @ 08:00						
Matrix: WATER						#1
Polycyclic Aromatic Hydrocarbons						
2-Methylnaphthalene	<0.020		0.020	ug/L	12-JUL-17	3.2
Naphthalene	<0.050		0.050	ug/L	12-JUL-17	11
Phenanthrene	<0.020		0.020	ug/L	12-JUL-17	1
Pyrene	<0.020		0.020	ug/L	12-JUL-17	4.1
Surrogate: d10-Acenaphthene	116.9		60-140	%	12-JUL-17	
Surrogate: d12-Chrysene	122.1		60-140	%	12-JUL-17	
Surrogate: d8-Naphthalene	117.0		60-140	%	12-JUL-17	
Surrogate: d10-Phenanthrene	121.7		60-140	%	12-JUL-17	
L1954617-5 DUP1						
Sampled By: CLIENT on 05-JUL-17 @ 08:00						
Matrix: WATER						#1
Physical Tests						
Conductivity	0.629		0.0030	mS/cm	07-JUL-17	
pH	8.10		0.10	pH units	07-JUL-17	
Anions and Nutrients						
Chloride (Cl)	64.4		0.50	mg/L	10-JUL-17	790
Cyanides						
Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	07-JUL-17	66
Dissolved Metals						
Dissolved Mercury Filtration Location	FIELD			No Unit	07-JUL-17	
Dissolved Metals Filtration Location	FIELD			No Unit	07-JUL-17	
Antimony (Sb)-Dissolved	0.10		0.10	ug/L	09-JUL-17	6
Arsenic (As)-Dissolved	0.71		0.10	ug/L	09-JUL-17	25
Barium (Ba)-Dissolved	212		0.10	ug/L	09-JUL-17	1000
Beryllium (Be)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	4
Boron (B)-Dissolved	19		10	ug/L	09-JUL-17	5000
Cadmium (Cd)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2.7
Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	50
Cobalt (Co)-Dissolved	<0.10		0.10	ug/L	09-JUL-17	3.8
Copper (Cu)-Dissolved	0.90		0.20	ug/L	09-JUL-17	87
Lead (Pb)-Dissolved	0.065		0.050	ug/L	09-JUL-17	10
Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	07-JUL-17	0.29
Molybdenum (Mo)-Dissolved	1.30		0.050	ug/L	09-JUL-17	70
Nickel (Ni)-Dissolved	<0.50		0.50	ug/L	09-JUL-17	100
Selenium (Se)-Dissolved	0.054		0.050	ug/L	09-JUL-17	10
Silver (Ag)-Dissolved	<0.050		0.050	ug/L	09-JUL-17	1.5
Sodium (Na)-Dissolved	10400		500	ug/L	09-JUL-17	490000
Thallium (Tl)-Dissolved	<0.010		0.010	ug/L	09-JUL-17	2
Uranium (U)-Dissolved	1.50		0.010	ug/L	09-JUL-17	20
Vanadium (V)-Dissolved	1.78		0.50	ug/L	09-JUL-17	6.2
Zinc (Zn)-Dissolved	2.4		1.0	ug/L	09-JUL-17	1100
Speciated Metals						
Chromium, Hexavalent	<1.0		1.0	ug/L	10-JUL-17	25
Volatile Organic Compounds						

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T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-5 DUP1						
Sampled By: CLIENT on 05-JUL-17 @ 08:00						
Matrix: WATER						
Volatile Organic Compounds						
Acetone	<30		30	ug/L	07-JUL-17	2700
Benzene	<0.50		0.50	ug/L	07-JUL-17	5
Bromodichloromethane	<2.0		2.0	ug/L	07-JUL-17	16
Bromoform	<5.0		5.0	ug/L	07-JUL-17	25
Bromomethane	<0.50		0.50	ug/L	07-JUL-17	0.89
Carbon tetrachloride	<0.20		0.20	ug/L	07-JUL-17	0.79
Chlorobenzene	<0.50		0.50	ug/L	07-JUL-17	30
Dibromochloromethane	<2.0		2.0	ug/L	07-JUL-17	25
Chloroform	<1.0		1.0	ug/L	07-JUL-17	2.4
1,2-Dibromoethane	<0.20		0.20	ug/L	07-JUL-17	0.2
1,2-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	3
1,3-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	59
1,4-Dichlorobenzene	<0.50		0.50	ug/L	07-JUL-17	1
Dichlorodifluoromethane	<2.0		2.0	ug/L	07-JUL-17	590
1,1-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	5
1,2-Dichloroethane	<0.50		0.50	ug/L	07-JUL-17	1.6
1,1-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Methylene Chloride	<5.0		5.0	ug/L	07-JUL-17	50
1,2-Dichloropropane	<0.50		0.50	ug/L	07-JUL-17	5
cis-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
trans-1,3-Dichloropropene	<0.30		0.30	ug/L	07-JUL-17	
1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	07-JUL-17	0.5
Ethylbenzene	<0.50		0.50	ug/L	07-JUL-17	2.4
n-Hexane	<0.50		0.50	ug/L	07-JUL-17	51
Methyl Ethyl Ketone	<20		20	ug/L	07-JUL-17	1800
Methyl Isobutyl Ketone	<20		20	ug/L	07-JUL-17	640
MTBE	<2.0		2.0	ug/L	07-JUL-17	15
Styrene	<0.50		0.50	ug/L	07-JUL-17	5.4
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1.1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	07-JUL-17	1
Tetrachloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Toluene	<0.50		0.50	ug/L	07-JUL-17	24
1,1,1-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	200
1,1,2-Trichloroethane	<0.50		0.50	ug/L	07-JUL-17	4.7
Trichloroethylene	<0.50		0.50	ug/L	07-JUL-17	1.6
Trichlorofluoromethane	<5.0		5.0	ug/L	07-JUL-17	150
Vinyl chloride	<0.50		0.50	ug/L	07-JUL-17	0.5
o-Xylene	<0.30		0.30	ug/L	07-JUL-17	
m+p-Xylenes	<0.40		0.40	ug/L	07-JUL-17	
Xylenes (Total)	<0.50		0.50	ug/L	07-JUL-17	300
Surrogate: 4-Bromofluorobenzene	96.5		70-130	%	07-JUL-17	
Surrogate: 1,4-Difluorobenzene	101.9		70-130	%	07-JUL-17	
Hydrocarbons						
F1 (C6-C10)	<25		25	ug/L	07-JUL-17	750

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T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Sample Details Grouping / Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits #1
L1954617-5 DUP1						
Sampled By: CLIENT on 05-JUL-17 @ 08:00						
Matrix: WATER						
Hydrocarbons						
F1-BTEX	<25		25	ug/L	12-JUL-17	750
F2 (C10-C16)	<100		100	ug/L	07-JUL-17	150
F2-Naphth	<100		100	ug/L	12-JUL-17	
F3 (C16-C34)	<250		250	ug/L	07-JUL-17	500
F3-PAH	<250		250	ug/L	12-JUL-17	
F4 (C34-C50)	<250		250	ug/L	07-JUL-17	500
Total Hydrocarbons (C6-C50)	<370		370	ug/L	12-JUL-17	
Chrom. to baseline at nC50	YES			No Unit	07-JUL-17	
Surrogate: 2-Bromobenzotrifluoride	105.1		60-140	%	07-JUL-17	
Surrogate: 3,4-Dichlorotoluene	86.5		60-140	%	07-JUL-17	
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	<0.020		0.020	ug/L	12-JUL-17	4.1
Acenaphthylene	<0.020		0.020	ug/L	12-JUL-17	1
Anthracene	<0.020		0.020	ug/L	12-JUL-17	2.4
Benzo(a)anthracene	<0.020		0.020	ug/L	12-JUL-17	1
Benzo(a)pyrene	<0.010		0.010	ug/L	12-JUL-17	0.01
Benzo(b)fluoranthene	<0.020		0.020	ug/L	12-JUL-17	0.1
Benzo(g,h,i)perylene	<0.020		0.020	ug/L	12-JUL-17	0.2
Benzo(k)fluoranthene	<0.020		0.020	ug/L	12-JUL-17	0.1
Chrysene	<0.020		0.020	ug/L	12-JUL-17	0.1
Dibenzo(ah)anthracene	<0.020		0.020	ug/L	12-JUL-17	0.2
Fluoranthene	<0.020		0.020	ug/L	12-JUL-17	0.41
Fluorene	<0.020		0.020	ug/L	12-JUL-17	120
Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	12-JUL-17	0.2
1+2-Methylnaphthalenes	<0.028		0.028	ug/L	12-JUL-17	3.2
1-Methylnaphthalene	<0.020		0.020	ug/L	12-JUL-17	3.2
2-Methylnaphthalene	<0.020		0.020	ug/L	12-JUL-17	3.2
Naphthalene	<0.050		0.050	ug/L	12-JUL-17	11
Phenanthrene	<0.020		0.020	ug/L	12-JUL-17	1
Pyrene	<0.020		0.020	ug/L	12-JUL-17	4.1
Surrogate: d10-Acenaphthene	114.4		60-140	%	12-JUL-17	
Surrogate: d12-Chrysene	123.2		60-140	%	12-JUL-17	
Surrogate: d8-Naphthalene	109.9		60-140	%	12-JUL-17	
Surrogate: d10-Phenanthrene	116.8		60-140	%	12-JUL-17	

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* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

T2-Ground Water (Coarse Soil)-All Types of Property Use

#1: T2-Ground Water (Coarse Soil)-All Types of Property Use

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
DLQ	Detection Limit raised due to co-eluting interference. GCMS qualifier ion ratio did not meet acceptance criteria.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference***
CL-IC-N-WT	Water	Chloride by IC	EPA 300.1 (mod)

Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Water	Cyanide (WAD)-O.Reg 153/04	APHA 4500CN I-Weak acid Dist Colorimet

Weak acid dissociable cyanide (WAD) is determined by undergoing a distillation procedure. Cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-R511-WT	Water	Hex Chrom-O.Reg 153/04 (July 2011)	EPA 7199

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution. Chromium (III) is calculated as the difference between the total chromium and the chromium (VI) results.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-R511-WT	Water	Conductivity-O.Reg 153/04 (July 2011)	APHA 2510 B

Water samples can be measured directly by immersing the conductivity cell into the sample.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Water	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-L

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.
In samples where BTEX and F1 were analyzed , F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:
1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:
1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Water	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS

Fraction F1 is determined by analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

Reference Information

F2-F4-511-WT	Water	F2-F4-O.Reg 153/04 (July 2011)	MOE DECPH-E3398/CCME TIER 1

Petroleum Hydrocarbons (F2-F4 fractions) are extracted from water using a hexane micro-extraction technique. Instrumental analysis is by GC-FID, as per the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Tier 1 Method, CCME, 2001.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-D-UG/L-CVAA-WT	Water	Diss. Mercury in Water by CVAAS (ug/L)	EPA 1631E (mod)

Water samples are filtered (0.45 um), preserved with hydrochloric acid, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-D-UG/L-MS-WT	Water	Diss. Metals in Water by ICPMS (ug/L)	EPA 200.8

The metal constituents of a non-acidified sample that pass through a membrane filter prior to ICP/MS analysis.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT	Water	PAH-Calculated Parameters	SW846 8270
PAH-511-WT	Water	PAH-O. Reg 153/04 (July 2011)	SW846 3510/8270

Aqueous samples, fortified with surrogates, are extracted using liquid/liquid extraction technique. The sample extracts are concentrated and then analyzed using GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PH-WT	Water	pH	APHA 4500 H-Electrode

Water samples are analyzed directly by a calibrated pH meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011). Holdtime for samples under this regulation is 28 days

VOC-1,3-DCP-CALC-WT	Water	Regulation 153 VOCs	SW8260B/SW8270C
VOC-511-HS-WT	Water	VOC by GCMS HS O.Reg 153/04 (July 2011)	SW846 8260

Liquid samples are analyzed by headspace GC/MSD.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC-WT	Water	Sum of Xylene Isomer Concentrations	CALCULATION

Total xylenes represents the sum of o-xylene and m&p-xylene.

*** ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

15-548319

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

Reference Information

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.

Quality Control Report

Workorder: L1954617 Report Date: 13-JUL-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CL-IC-N-WT	**Water**							
Batch R3769750								
WG2567121-10 DUP		**WG2567121-8**						
Chloride (Cl)		28.3	28.5		mg/L	0.8	20	10-JUL-17
WG2567121-7 LCS								
Chloride (Cl)			102.3		%		90-110	10-JUL-17
WG2567121-6 MB								
Chloride (Cl)			<0.50		mg/L		0.5	10-JUL-17
WG2567121-9 MS		**WG2567121-8**						
Chloride (Cl)			98.3		%		75-125	10-JUL-17
CN-WAD-R511-WT	**Water**							
Batch R3768501								
WG2565372-3 DUP		**L1951785-1**						
Cyanide, Weak Acid Diss		<2.0	<2.0	RPD-NA	ug/L	N/A	20	07-JUL-17
WG2565372-2 LCS								
Cyanide, Weak Acid Diss			104.8		%		80-120	07-JUL-17
WG2565372-1 MB								
Cyanide, Weak Acid Diss			<2.0		ug/L		2	07-JUL-17
WG2565372-4 MS		**L1951785-1**						
Cyanide, Weak Acid Diss			102.4		%		70-130	07-JUL-17
CR-CR6-IC-R511-WT	**Water**							
Batch R3768338								
WG2565079-4 DUP		**WG2565079-3**						
Chromium, Hexavalent		<1.0	<1.0	RPD-NA	ug/L	N/A	20	07-JUL-17
WG2565079-2 LCS								
Chromium, Hexavalent			101.9		%		80-120	07-JUL-17
WG2565079-1 MB								
Chromium, Hexavalent			<1.0		ug/L		1	07-JUL-17
WG2565079-5 MS		**WG2565079-3**						
Chromium, Hexavalent			101.8		%		70-130	07-JUL-17
Batch R3768979								
WG2567116-4 DUP		**WG2567116-3**						
Chromium, Hexavalent		<1.0	<1.0	RPD-NA	ug/L	N/A	20	10-JUL-17
WG2567116-2 LCS								
Chromium, Hexavalent			102.1		%		80-120	10-JUL-17
WG2567116-1 MB								
Chromium, Hexavalent			<1.0		ug/L		1	10-JUL-17
WG2567116-5 MS		**WG2567116-3**						
Chromium, Hexavalent			99.8		%		70-130	10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
EC-R511-WT	**Water**							
Batch R3768273								
WG2565220-24 DUP		**WG2565220-23**						
Conductivity		1.38	1.38		mS/cm	0.4	10	07-JUL-17
WG2565220-21 LCS								
Conductivity			101.9		%		90-110	07-JUL-17
WG2565220-22 MB								
Conductivity			<0.0030		mS/cm		0.003	07-JUL-17
F1-HS-511-WT	**Water**							
Batch R3767138								
WG2555226-4 DUP		**WG2555226-3**						
F1 (C6-C10)		31	31		ug/L	2.9	30	07-JUL-17
WG2555226-1 LCS								
F1 (C6-C10)			106.2		%		80-120	07-JUL-17
WG2555226-2 MB								
F1 (C6-C10)			<25		ug/L		25	07-JUL-17
Surrogate: 3,4-Dichlorotoluene			109.5		%		60-140	07-JUL-17
WG2555226-5 MS		**WG2555226-3**						
F1 (C6-C10)			90.8		%		60-140	07-JUL-17
Batch R3768282								
WG2560699-4 DUP		**WG2560699-3**						
F1 (C6-C10)		<25	<25	RPD-NA	ug/L	N/A	30	10-JUL-17
WG2560699-1 LCS								
F1 (C6-C10)			99.0		%		80-120	10-JUL-17
WG2560699-2 MB								
F1 (C6-C10)			<25		ug/L		25	10-JUL-17
Surrogate: 3,4-Dichlorotoluene			101.6		%		60-140	10-JUL-17
F2-F4-511-WT	**Water**							
Batch R3768436								
WG2564938-2 LCS								
F2 (C10-C16)			104.7		%		70-130	10-JUL-17
F3 (C16-C34)			101.9		%		70-130	10-JUL-17
F4 (C34-C50)			104.3		%		70-130	10-JUL-17
WG2564938-3 LCSD		**WG2564938-2**						
F2 (C10-C16)		104.7	119.6		%	13	50	10-JUL-17
F3 (C16-C34)		101.9	118.1		%	15	50	10-JUL-17
F4 (C34-C50)		104.3	122.5		%	16	50	10-JUL-17
WG2564938-1 MB								
F2 (C10-C16)			<100		ug/L		100	10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT	**Water**							
Batch R3768436								
WG2564938-1 MB								
F3 (C16-C34)			<250		ug/L		250	10-JUL-17
F4 (C34-C50)			<250		ug/L		250	10-JUL-17
Surrogate: 2-Bromobenzotrifluoride			99.1		%		60-140	10-JUL-17
HG-D-UG/L-CVAA-WT	**Water**							
Batch R3767194								
WG2565066-4 DUP		**WG2565066-3**						
Mercury (Hg)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	07-JUL-17
WG2565066-2 LCS								
Mercury (Hg)-Dissolved			97.8		%		80-120	07-JUL-17
WG2565066-1 MB								
Mercury (Hg)-Dissolved			<0.010		ug/L		0.01	07-JUL-17
WG2565066-6 MS		**WG2565066-5**						
Mercury (Hg)-Dissolved			90.4		%		70-130	07-JUL-17
MET-D-UG/L-MS-WT	**Water**							
Batch R3768113								
WG2564890-4 DUP		**WG2564890-3**						
Antimony (Sb)-Dissolved		<0.10	<0.10	RPD-NA	ug/L	N/A	20	09-JUL-17
Arsenic (As)-Dissolved		0.70	0.74		ug/L	5.6	20	09-JUL-17
Barium (Ba)-Dissolved		53.4	52.9		ug/L	1.0	20	09-JUL-17
Beryllium (Be)-Dissolved		<0.10	<0.10	RPD-NA	ug/L	N/A	20	09-JUL-17
Boron (B)-Dissolved		34	34		ug/L	0.2	20	09-JUL-17
Cadmium (Cd)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	09-JUL-17
Chromium (Cr)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	09-JUL-17
Cobalt (Co)-Dissolved		0.15	0.15		ug/L	2.9	20	09-JUL-17
Copper (Cu)-Dissolved		2.79	2.90		ug/L	3.9	20	09-JUL-17
Lead (Pb)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	09-JUL-17
Molybdenum (Mo)-Dissolved		1.66	1.66		ug/L	0.2	20	09-JUL-17
Nickel (Ni)-Dissolved		1.26	1.23		ug/L	2.6	20	09-JUL-17
Selenium (Se)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	09-JUL-17
Silver (Ag)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	09-JUL-17
Sodium (Na)-Dissolved		139000	136000		ug/L	2.1	20	09-JUL-17
Thallium (Tl)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	09-JUL-17
Uranium (U)-Dissolved		2.09	2.38		ug/L	13	20	09-JUL-17
Vanadium (V)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	09-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT	**Water**							
Batch R3768113								
WG2564890-4 DUP		**WG2564890-3**						
Zinc (Zn)-Dissolved		1.9	1.5	J	ug/L	0.4	2	09-JUL-17
WG2564890-2 LCS								
Antimony (Sb)-Dissolved			103.9		%		80-120	09-JUL-17
Arsenic (As)-Dissolved			101.4		%		80-120	09-JUL-17
Barium (Ba)-Dissolved			105.6		%		80-120	09-JUL-17
Beryllium (Be)-Dissolved			101.5		%		80-120	09-JUL-17
Boron (B)-Dissolved			101.5		%		80-120	09-JUL-17
Cadmium (Cd)-Dissolved			102.8		%		80-120	09-JUL-17
Chromium (Cr)-Dissolved			101.1		%		80-120	09-JUL-17
Cobalt (Co)-Dissolved			101.8		%		80-120	09-JUL-17
Copper (Cu)-Dissolved			98.4		%		80-120	09-JUL-17
Lead (Pb)-Dissolved			105.2		%		80-120	09-JUL-17
Molybdenum (Mo)-Dissolved			100.9		%		80-120	09-JUL-17
Nickel (Ni)-Dissolved			102.9		%		80-120	09-JUL-17
Selenium (Se)-Dissolved			101.3		%		80-120	09-JUL-17
Silver (Ag)-Dissolved			99.7		%		80-120	09-JUL-17
Sodium (Na)-Dissolved			100.4		%		80-120	09-JUL-17
Thallium (Tl)-Dissolved			99.97		%		80-120	09-JUL-17
Uranium (U)-Dissolved			104.8		%		80-120	09-JUL-17
Vanadium (V)-Dissolved			102.6		%		80-120	09-JUL-17
Zinc (Zn)-Dissolved			98.7		%		80-120	09-JUL-17
WG2564890-1 MB								
Antimony (Sb)-Dissolved			<0.10		ug/L		0.1	09-JUL-17
Arsenic (As)-Dissolved			<0.10		ug/L		0.1	09-JUL-17
Barium (Ba)-Dissolved			<0.10		ug/L		0.1	09-JUL-17
Beryllium (Be)-Dissolved			<0.10		ug/L		0.1	09-JUL-17
Boron (B)-Dissolved			<10		ug/L		10	09-JUL-17
Cadmium (Cd)-Dissolved			<0.010		ug/L		0.01	09-JUL-17
Chromium (Cr)-Dissolved			<0.50		ug/L		0.5	09-JUL-17
Cobalt (Co)-Dissolved			<0.10		ug/L		0.1	09-JUL-17
Copper (Cu)-Dissolved			<0.20		ug/L		0.2	09-JUL-17
Lead (Pb)-Dissolved			<0.050		ug/L		0.05	09-JUL-17
Molybdenum (Mo)-Dissolved			<0.050		ug/L		0.05	09-JUL-17
Nickel (Ni)-Dissolved			<0.50		ug/L		0.5	09-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT	**Water**							
Batch R3768113								
WG2564890-1 MB								
Selenium (Se)-Dissolved			<0.050		ug/L		0.05	09-JUL-17
Silver (Ag)-Dissolved			<0.050		ug/L		0.05	09-JUL-17
Sodium (Na)-Dissolved			<500		ug/L		500	09-JUL-17
Thallium (Tl)-Dissolved			<0.010		ug/L		0.01	09-JUL-17
Uranium (U)-Dissolved			<0.010		ug/L		0.01	09-JUL-17
Vanadium (V)-Dissolved			<0.50		ug/L		0.5	09-JUL-17
Zinc (Zn)-Dissolved			<1.0		ug/L		1	09-JUL-17
WG2564890-5 MS		**WG2564890-3**						
Antimony (Sb)-Dissolved			106.6		%		70-130	09-JUL-17
Arsenic (As)-Dissolved			101.8		%		70-130	09-JUL-17
Barium (Ba)-Dissolved			N/A	MS-B	%		-	09-JUL-17
Beryllium (Be)-Dissolved			101.4		%		70-130	09-JUL-17
Boron (B)-Dissolved			99.2		%		70-130	09-JUL-17
Cadmium (Cd)-Dissolved			102.0		%		70-130	09-JUL-17
Chromium (Cr)-Dissolved			96.3		%		70-130	09-JUL-17
Cobalt (Co)-Dissolved			95.2		%		70-130	09-JUL-17
Copper (Cu)-Dissolved			87.6		%		70-130	09-JUL-17
Lead (Pb)-Dissolved			96.4		%		70-130	09-JUL-17
Molybdenum (Mo)-Dissolved			98.6		%		70-130	09-JUL-17
Nickel (Ni)-Dissolved			92.7		%		70-130	09-JUL-17
Selenium (Se)-Dissolved			101.4		%		70-130	09-JUL-17
Silver (Ag)-Dissolved			97.5		%		70-130	09-JUL-17
Sodium (Na)-Dissolved			N/A	MS-B	%		-	09-JUL-17
Thallium (Tl)-Dissolved			94.6		%		70-130	09-JUL-17
Uranium (U)-Dissolved			N/A	MS-B	%		-	09-JUL-17
Vanadium (V)-Dissolved			101.7		%		70-130	09-JUL-17
Zinc (Zn)-Dissolved			89.0		%		70-130	09-JUL-17
PAH-511-WT	**Water**							
Batch R3768581								
WG2566306-2 LCS								
1-Methylnaphthalene			108.2		%		50-140	10-JUL-17
2-Methylnaphthalene			110.2		%		50-140	10-JUL-17
Acenaphthene			120.1		%		50-140	10-JUL-17
Acenaphthylene			111.2		%		50-140	10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Water**							
Batch R3768581								
WG2566306-2 LCS								
Anthracene			117.3		%		50-140	10-JUL-17
Benzo(a)anthracene			117.9		%		50-140	10-JUL-17
Benzo(a)pyrene			117.0		%		50-140	10-JUL-17
Benzo(b)fluoranthene			122.4		%		50-140	10-JUL-17
Benzo(g,h,i)perylene			109.5		%		50-140	10-JUL-17
Benzo(k)fluoranthene			118.4		%		50-140	10-JUL-17
Chrysene			114.5		%		50-140	10-JUL-17
Dibenzo(ah)anthracene			111.0		%		50-140	10-JUL-17
Fluoranthene			120.3		%		50-140	10-JUL-17
Fluorene			114.3		%		50-140	10-JUL-17
Indeno(1,2,3-cd)pyrene			113.8		%		50-140	10-JUL-17
Naphthalene			105.8		%		50-140	10-JUL-17
Phenanthrene			116.9		%		50-140	10-JUL-17
Pyrene			121.8		%		50-140	10-JUL-17
WG2566306-3 LCSD		**WG2566306-2**						
1-Methylnaphthalene		108.2	107.4		%	0.7	50	10-JUL-17
2-Methylnaphthalene		110.2	109.1		%	0.9	50	10-JUL-17
Acenaphthene		120.1	114.9		%	4.4	50	10-JUL-17
Acenaphthylene		111.2	110.4		%	0.7	50	10-JUL-17
Anthracene		117.3	116.2		%	1.0	50	10-JUL-17
Benzo(a)anthracene		117.9	120.6		%	2.3	50	10-JUL-17
Benzo(a)pyrene		117.0	120.1		%	2.6	50	10-JUL-17
Benzo(b)fluoranthene		122.4	124.7		%	1.8	50	10-JUL-17
Benzo(g,h,i)perylene		109.5	112.0		%	2.3	50	10-JUL-17
Benzo(k)fluoranthene		118.4	121.9		%	2.9	50	10-JUL-17
Chrysene		114.5	116.0		%	1.3	50	10-JUL-17
Dibenzo(ah)anthracene		111.0	116.0		%	4.4	50	10-JUL-17
Fluoranthene		120.3	118.3		%	1.7	50	10-JUL-17
Fluorene		114.3	113.2		%	1.0	50	10-JUL-17
Indeno(1,2,3-cd)pyrene		113.8	117.3		%	3.0	50	10-JUL-17
Naphthalene		105.8	103.7		%	2.0	50	10-JUL-17
Phenanthrene		116.9	115.4		%	1.3	50	10-JUL-17
Pyrene		121.8	120.5		%	1.1	50	10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	**Water**							
Batch R3768581								
WG2566306-1 MB								
1-Methylnaphthalene			<0.020		ug/L		0.02	10-JUL-17
2-Methylnaphthalene			<0.020		ug/L		0.02	10-JUL-17
Acenaphthene			<0.020		ug/L		0.02	10-JUL-17
Acenaphthylene			<0.020		ug/L		0.02	10-JUL-17
Anthracene			<0.020		ug/L		0.02	10-JUL-17
Benzo(a)anthracene			<0.020		ug/L		0.02	10-JUL-17
Benzo(a)pyrene			<0.010		ug/L		0.01	10-JUL-17
Benzo(b)fluoranthene			<0.020		ug/L		0.02	10-JUL-17
Benzo(g,h,i)perylene			<0.020		ug/L		0.02	10-JUL-17
Benzo(k)fluoranthene			<0.020		ug/L		0.02	10-JUL-17
Chrysene			<0.020		ug/L		0.02	10-JUL-17
Dibenzo(ah)anthracene			<0.020		ug/L		0.02	10-JUL-17
Fluoranthene			<0.020		ug/L		0.02	10-JUL-17
Fluorene			<0.020		ug/L		0.02	10-JUL-17
Indeno(1,2,3-cd)pyrene			<0.020		ug/L		0.02	10-JUL-17
Naphthalene			<0.050		ug/L		0.05	10-JUL-17
Phenanthrene			<0.020		ug/L		0.02	10-JUL-17
Pyrene			<0.020		ug/L		0.02	10-JUL-17
Surrogate: d8-Naphthalene			108.1		%		60-140	10-JUL-17
Surrogate: d10-Phenanthrene			116.6		%		60-140	10-JUL-17
Surrogate: d12-Chrysene			116.8		%		60-140	10-JUL-17
Surrogate: d10-Acenaphthene			113.6		%		60-140	10-JUL-17
PH-WT	**Water**							
Batch R3768273								
WG2565220-24 DUP		**WG2565220-23**						
pH		8.05	8.05	J	pH units	0.00	0.2	07-JUL-17
WG2565220-21 LCS								
pH			6.99		pH units		6.9-7.1	07-JUL-17
VOC-511-HS-WT	**Water**							
Batch R3767138								
WG2555226-4 DUP		**WG2555226-3**						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3767138								
WG2555226-4 DUP		**WG2555226-3**						
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	07-JUL-17
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	07-JUL-17
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	07-JUL-17
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	07-JUL-17
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	07-JUL-17
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	07-JUL-17
cis-1,2-Dichloroethylene		175	176		ug/L	0.5	30	07-JUL-17
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	07-JUL-17
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	07-JUL-17
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	07-JUL-17
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	07-JUL-17
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	07-JUL-17
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	07-JUL-17
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	07-JUL-17
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	07-JUL-17
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	07-JUL-17
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	07-JUL-17
trans-1,2-Dichloroethylene		29.7	29.6		ug/L			07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3767138								
WG2555226-4 DUP		**WG2555226-3**						
trans-1,2-Dichloroethylene		29.7	29.6		ug/L	0.4	30	07-JUL-17
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	07-JUL-17
Trichloroethylene		85.9	85.8		ug/L	0.2	30	07-JUL-17
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	07-JUL-17
Vinyl chloride		7.11	7.18		ug/L	1.0	30	07-JUL-17
WG2555226-1 LCS								
1,1,1,2-Tetrachloroethane			96.6		%		70-130	07-JUL-17
1,1,2,2-Tetrachloroethane			99.6		%		70-130	07-JUL-17
1,1,1-Trichloroethane			101.8		%		70-130	07-JUL-17
1,1,2-Trichloroethane			99.8		%		70-130	07-JUL-17
1,1-Dichloroethane			110.4		%		70-130	07-JUL-17
1,1-Dichloroethylene			97.3		%		70-130	07-JUL-17
1,2-Dibromoethane			100.1		%		70-130	07-JUL-17
1,2-Dichlorobenzene			97.8		%		70-130	07-JUL-17
1,2-Dichloroethane			103.2		%		70-130	07-JUL-17
1,2-Dichloropropane			103.6		%		70-130	07-JUL-17
1,3-Dichlorobenzene			95.5		%		70-130	07-JUL-17
1,4-Dichlorobenzene			98.1		%		70-130	07-JUL-17
Acetone			117.9		%		60-140	07-JUL-17
Benzene			105.4		%		70-130	07-JUL-17
Bromodichloromethane			99.7		%		70-130	07-JUL-17
Bromoform			86.6		%		70-130	07-JUL-17
Bromomethane			99.5		%		60-140	07-JUL-17
Carbon tetrachloride			100.6		%		70-130	07-JUL-17
Chlorobenzene			98.5		%		70-130	07-JUL-17
Chloroform			103.7		%		70-130	07-JUL-17
cis-1,2-Dichloroethylene			102.2		%		70-130	07-JUL-17
cis-1,3-Dichloropropene			101.1		%		70-130	07-JUL-17
Dibromochloromethane			101.7		%		70-130	07-JUL-17
Dichlorodifluoromethane			99.5		%		50-140	07-JUL-17
Ethylbenzene			92.8		%		70-130	07-JUL-17
n-Hexane			115.2		%		70-130	07-JUL-17
m+p-Xylenes			93.4		%		70-130	07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3767138								
WG2555226-1 LCS								
Methyl Ethyl Ketone			112.1		%		60-140	07-JUL-17
Methyl Isobutyl Ketone			109.3		%		60-140	07-JUL-17
Methylene Chloride			107.5		%		70-130	07-JUL-17
MTBE			101.5		%		70-130	07-JUL-17
o-Xylene			95.4		%		70-130	07-JUL-17
Styrene			92.9		%		70-130	07-JUL-17
Tetrachloroethylene			89.7		%		70-130	07-JUL-17
Toluene			94.8		%		70-130	07-JUL-17
trans-1,2-Dichloroethylene			100.5		%		70-130	07-JUL-17
trans-1,3-Dichloropropene			95.7		%		70-130	07-JUL-17
Trichloroethylene			98.0		%		70-130	07-JUL-17
Trichlorofluoromethane			100.0		%		60-140	07-JUL-17
Vinyl chloride			91.2		%		60-140	07-JUL-17
WG2555226-2 MB								
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	07-JUL-17
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	07-JUL-17
1,1,1-Trichloroethane			<0.50		ug/L		0.5	07-JUL-17
1,1,2-Trichloroethane			<0.50		ug/L		0.5	07-JUL-17
1,1-Dichloroethane			<0.50		ug/L		0.5	07-JUL-17
1,1-Dichloroethylene			<0.50		ug/L		0.5	07-JUL-17
1,2-Dibromoethane			<0.20		ug/L		0.2	07-JUL-17
1,2-Dichlorobenzene			<0.50		ug/L		0.5	07-JUL-17
1,2-Dichloroethane			<0.50		ug/L		0.5	07-JUL-17
1,2-Dichloropropane			<0.50		ug/L		0.5	07-JUL-17
1,3-Dichlorobenzene			<0.50		ug/L		0.5	07-JUL-17
1,4-Dichlorobenzene			<0.50		ug/L		0.5	07-JUL-17
Acetone			<30		ug/L		30	07-JUL-17
Benzene			<0.50		ug/L		0.5	07-JUL-17
Bromodichloromethane			<2.0		ug/L		2	07-JUL-17
Bromoform			<5.0		ug/L		5	07-JUL-17
Bromomethane			<0.50		ug/L		0.5	07-JUL-17
Carbon tetrachloride			<0.20		ug/L		0.2	07-JUL-17
Chlorobenzene			<0.50		ug/L		0.5	07-JUL-17
Chloroform			<1.0		ug/L		1	07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3767138								
WG2555226-2 MB								
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	07-JUL-17
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	07-JUL-17
Dibromochloromethane			<2.0		ug/L		2	07-JUL-17
Dichlorodifluoromethane			<2.0		ug/L		2	07-JUL-17
Ethylbenzene			<0.50		ug/L		0.5	07-JUL-17
n-Hexane			<0.50		ug/L		0.5	07-JUL-17
m+p-Xylenes			<0.40		ug/L		0.4	07-JUL-17
Methyl Ethyl Ketone			<20		ug/L		20	07-JUL-17
Methyl Isobutyl Ketone			<20		ug/L		20	07-JUL-17
Methylene Chloride			<5.0		ug/L		5	07-JUL-17
MTBE			<2.0		ug/L		2	07-JUL-17
o-Xylene			<0.30		ug/L		0.3	07-JUL-17
Styrene			<0.50		ug/L		0.5	07-JUL-17
Tetrachloroethylene			<0.50		ug/L		0.5	07-JUL-17
Toluene			<0.50		ug/L		0.5	07-JUL-17
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	07-JUL-17
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	07-JUL-17
Trichloroethylene			<0.50		ug/L		0.5	07-JUL-17
Trichlorofluoromethane			<5.0		ug/L		5	07-JUL-17
Vinyl chloride			<0.50		ug/L		0.5	07-JUL-17
Surrogate: 1,4-Difluorobenzene			101.1		%		70-130	07-JUL-17
Surrogate: 4-Bromofluorobenzene			98.3		%		70-130	07-JUL-17
WG2555226-5 MS		**WG2555226-3**						
1,1,1,2-Tetrachloroethane			95.8		%		50-140	07-JUL-17
1,1,2,2-Tetrachloroethane			97.3		%		50-140	07-JUL-17
1,1,1-Trichloroethane			103.3		%		50-140	07-JUL-17
1,1,2-Trichloroethane			100.0		%		50-140	07-JUL-17
1,1-Dichloroethane			111.5		%		50-140	07-JUL-17
1,1-Dichloroethylene			89.8		%		50-140	07-JUL-17
1,2-Dibromoethane			100.8		%		50-140	07-JUL-17
1,2-Dichlorobenzene			99.4		%		50-140	07-JUL-17
1,2-Dichloroethane			105.3		%		50-140	07-JUL-17
1,2-Dichloropropane			105.0		%		50-140	07-JUL-17
1,3-Dichlorobenzene			97.5		%		50-140	07-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3767138								
WG2555226-5 MS		**WG2555226-3**						
1,4-Dichlorobenzene			99.4		%		50-140	07-JUL-17
Acetone			118.6		%		50-140	07-JUL-17
Benzene			104.7		%		50-140	07-JUL-17
Bromodichloromethane			100.7		%		50-140	07-JUL-17
Bromoform			87.1		%		50-140	07-JUL-17
Bromomethane			82.6		%		50-140	07-JUL-17
Carbon tetrachloride			98.6		%		50-140	07-JUL-17
Chlorobenzene			98.2		%		50-140	07-JUL-17
Chloroform			104.4		%		50-140	07-JUL-17
cis-1,2-Dichloroethylene			N/A	MS-B	%		-	07-JUL-17
cis-1,3-Dichloropropene			101.0		%		50-140	07-JUL-17
Dibromochloromethane			101.3		%		50-140	07-JUL-17
Dichlorodifluoromethane			53.3		%		50-140	07-JUL-17
Ethylbenzene			92.3		%		50-140	07-JUL-17
n-Hexane			101.7		%		50-140	07-JUL-17
m+p-Xylenes			92.7		%		50-140	07-JUL-17
Methyl Ethyl Ketone			112.3		%		50-140	07-JUL-17
Methyl Isobutyl Ketone			109.0		%		50-140	07-JUL-17
Methylene Chloride			107.0		%		50-140	07-JUL-17
MTBE			100.9		%		50-140	07-JUL-17
o-Xylene			94.4		%		50-140	07-JUL-17
Styrene			91.4		%		50-140	07-JUL-17
Tetrachloroethylene			87.6		%		50-140	07-JUL-17
Toluene			93.1		%		50-140	07-JUL-17
trans-1,2-Dichloroethylene			94.4		%		50-140	07-JUL-17
trans-1,3-Dichloropropene			93.0		%		50-140	07-JUL-17
Trichloroethylene			92.3		%		50-140	07-JUL-17
Trichlorofluoromethane			87.9		%		50-140	07-JUL-17
Vinyl chloride			88.5		%		50-140	07-JUL-17
Batch R3768282								
WG2560699-4 DUP		**WG2560699-3**						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,1,1-Trichloroethane		<0.50	<0.50		ug/L			10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3768282								
WG2560699-4 DUP		**WG2560699-3**						
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,1-Dichloroethane		1.36	1.35		ug/L	0.7	30	10-JUL-17
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	10-JUL-17
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	10-JUL-17
Benzene		0.54	0.53		ug/L	1.9	30	10-JUL-17
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	10-JUL-17
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	10-JUL-17
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	10-JUL-17
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	10-JUL-17
cis-1,2-Dichloroethylene		2.79	2.81		ug/L	0.7	30	10-JUL-17
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	10-JUL-17
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	10-JUL-17
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	10-JUL-17
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	10-JUL-17
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	10-JUL-17
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	10-JUL-17
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	10-JUL-17
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	10-JUL-17
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	10-JUL-17
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
Toluene		<0.50	<0.50		ug/L			10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3768282								
WG2560699-4 DUP		**WG2560699-3**						
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	10-JUL-17
Trichloroethylene		8.74	8.71		ug/L	0.3	30	10-JUL-17
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	10-JUL-17
Vinyl chloride		<0.50	<0.50	RPD-NA	ug/L	N/A	30	10-JUL-17
WG2560699-1 LCS								
1,1,1,2-Tetrachloroethane			94.7		%		70-130	10-JUL-17
1,1,2,2-Tetrachloroethane			92.0		%		70-130	10-JUL-17
1,1,1-Trichloroethane			97.0		%		70-130	10-JUL-17
1,1,2-Trichloroethane			95.8		%		70-130	10-JUL-17
1,1-Dichloroethane			97.0		%		70-130	10-JUL-17
1,1-Dichloroethylene			91.8		%		70-130	10-JUL-17
1,2-Dibromoethane			94.9		%		70-130	10-JUL-17
1,2-Dichlorobenzene			95.8		%		70-130	10-JUL-17
1,2-Dichloroethane			99.3		%		70-130	10-JUL-17
1,2-Dichloropropane			99.4		%		70-130	10-JUL-17
1,3-Dichlorobenzene			95.2		%		70-130	10-JUL-17
1,4-Dichlorobenzene			97.2		%		70-130	10-JUL-17
Acetone			115.7		%		60-140	10-JUL-17
Benzene			98.8		%		70-130	10-JUL-17
Bromodichloromethane			95.8		%		70-130	10-JUL-17
Bromoform			90.7		%		70-130	10-JUL-17
Bromomethane			95.5		%		60-140	10-JUL-17
Carbon tetrachloride			96.2		%		70-130	10-JUL-17
Chlorobenzene			96.7		%		70-130	10-JUL-17
Chloroform			87.0		%		70-130	10-JUL-17
cis-1,2-Dichloroethylene			96.5		%		70-130	10-JUL-17
cis-1,3-Dichloropropene			91.8		%		70-130	10-JUL-17
Dibromochloromethane			99.9		%		70-130	10-JUL-17
Dichlorodifluoromethane			89.9		%		50-140	10-JUL-17
Ethylbenzene			99.1		%		70-130	10-JUL-17
n-Hexane			110.7		%		70-130	10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3768282								
WG2560699-1 LCS								
m+p-Xylenes			100.5		%		70-130	10-JUL-17
Methyl Ethyl Ketone			100.6		%		60-140	10-JUL-17
Methyl Isobutyl Ketone			91.3		%		60-140	10-JUL-17
Methylene Chloride			98.7		%		70-130	10-JUL-17
MTBE			96.9		%		70-130	10-JUL-17
o-Xylene			99.7		%		70-130	10-JUL-17
Styrene			98.5		%		70-130	10-JUL-17
Tetrachloroethylene			97.0		%		70-130	10-JUL-17
Toluene			95.6		%		70-130	10-JUL-17
trans-1,2-Dichloroethylene			101.7		%		70-130	10-JUL-17
trans-1,3-Dichloropropene			90.7		%		70-130	10-JUL-17
Trichloroethylene			97.4		%		70-130	10-JUL-17
Trichlorofluoromethane			96.6		%		60-140	10-JUL-17
Vinyl chloride			93.2		%		60-140	10-JUL-17
WG2560699-2 MB								
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	10-JUL-17
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	10-JUL-17
1,1,1-Trichloroethane			<0.50		ug/L		0.5	10-JUL-17
1,1,2-Trichloroethane			<0.50		ug/L		0.5	10-JUL-17
1,1-Dichloroethane			<0.50		ug/L		0.5	10-JUL-17
1,1-Dichloroethylene			<0.50		ug/L		0.5	10-JUL-17
1,2-Dibromoethane			<0.20		ug/L		0.2	10-JUL-17
1,2-Dichlorobenzene			<0.50		ug/L		0.5	10-JUL-17
1,2-Dichloroethane			<0.50		ug/L		0.5	10-JUL-17
1,2-Dichloropropane			<0.50		ug/L		0.5	10-JUL-17
1,3-Dichlorobenzene			<0.50		ug/L		0.5	10-JUL-17
1,4-Dichlorobenzene			<0.50		ug/L		0.5	10-JUL-17
Acetone			<30		ug/L		30	10-JUL-17
Benzene			<0.50		ug/L		0.5	10-JUL-17
Bromodichloromethane			<2.0		ug/L		2	10-JUL-17
Bromoform			<5.0		ug/L		5	10-JUL-17
Bromomethane			<0.50		ug/L		0.5	10-JUL-17
Carbon tetrachloride			<0.20		ug/L		0.2	10-JUL-17
Chlorobenzene			<0.50		ug/L		0.5	10-JUL-17

Quality Control Report

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	**Water**							
Batch R3768282								
WG2560699-2 MB								
Chloroform			<1.0		ug/L		1	10-JUL-17
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	10-JUL-17
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	10-JUL-17
Dibromochloromethane			<2.0		ug/L		2	10-JUL-17
Dichlorodifluoromethane			<2.0		ug/L		2	10-JUL-17
Ethylbenzene			<0.50		ug/L		0.5	10-JUL-17
n-Hexane			<0.50		ug/L		0.5	10-JUL-17
m+p-Xylenes			<0.40		ug/L		0.4	10-JUL-17
Methyl Ethyl Ketone			<20		ug/L		20	10-JUL-17
Methyl Isobutyl Ketone			<20		ug/L		20	10-JUL-17
Methylene Chloride			<5.0		ug/L		5	10-JUL-17
MTBE			<2.0		ug/L		2	10-JUL-17
o-Xylene			<0.30		ug/L		0.3	10-JUL-17
Styrene			<0.50		ug/L		0.5	10-JUL-17
Tetrachloroethylene			<0.50		ug/L		0.5	10-JUL-17
Toluene			<0.50		ug/L		0.5	10-JUL-17
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	10-JUL-17
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	10-JUL-17
Trichloroethylene			<0.50		ug/L		0.5	10-JUL-17
Trichlorofluoromethane			<5.0		ug/L		5	10-JUL-17
Vinyl chloride			<0.50		ug/L		0.5	10-JUL-17
Surrogate: 1,4-Difluorobenzene			104.5		%		70-130	10-JUL-17
Surrogate: 4-Bromofluorobenzene			98.2		%		70-130	10-JUL-17

Quality Control Report

Workorder: L1954617 Report Date: 13-JUL-17

Client: TERRAPROBE-BRAMPTON
11 Indell Lane
Brampton ON L6T 3Y3
Contact: Suvish Melanta

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

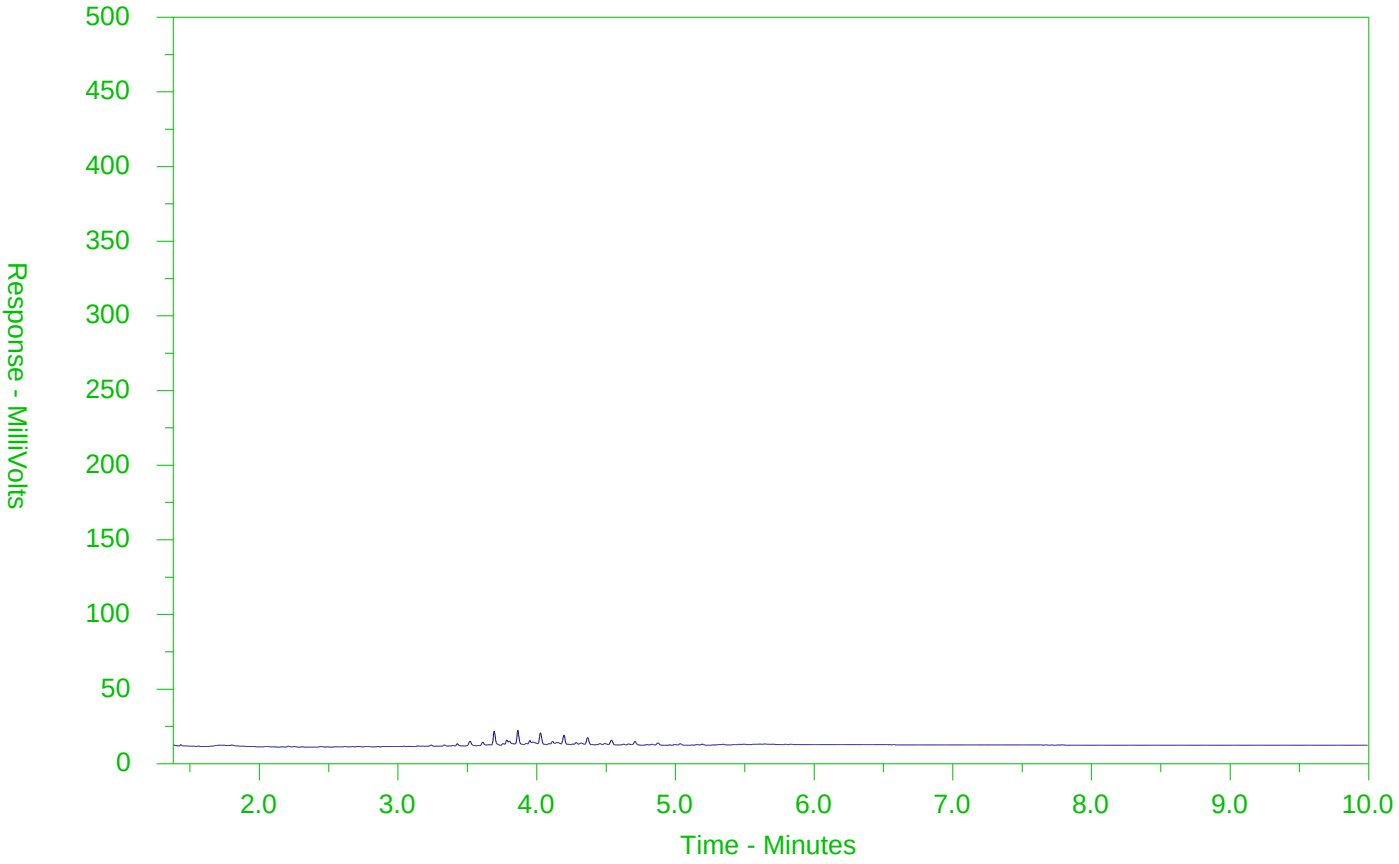
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1954617-1
Client Sample ID: BH301



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

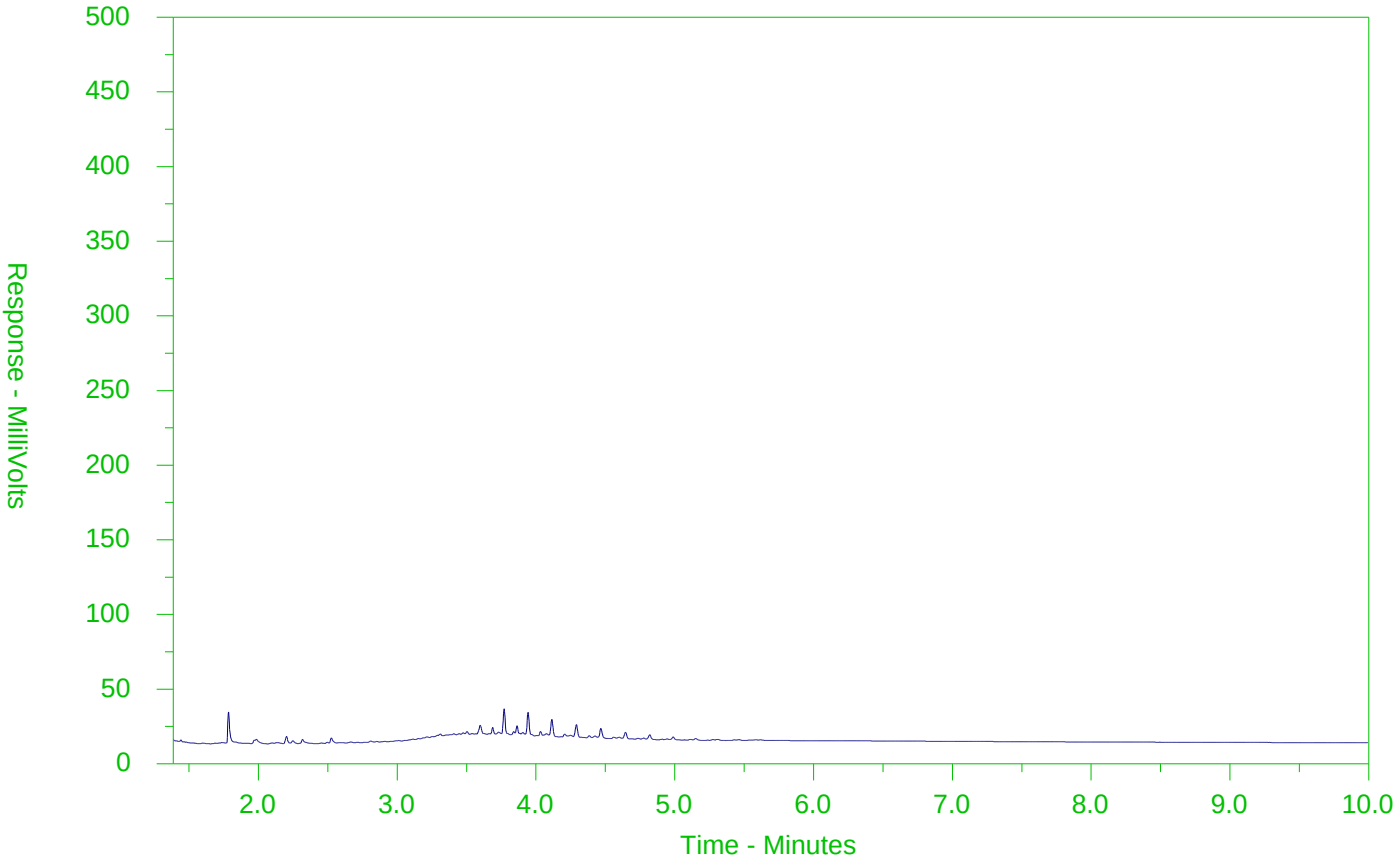
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1954617-2
Client Sample ID: BH302



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

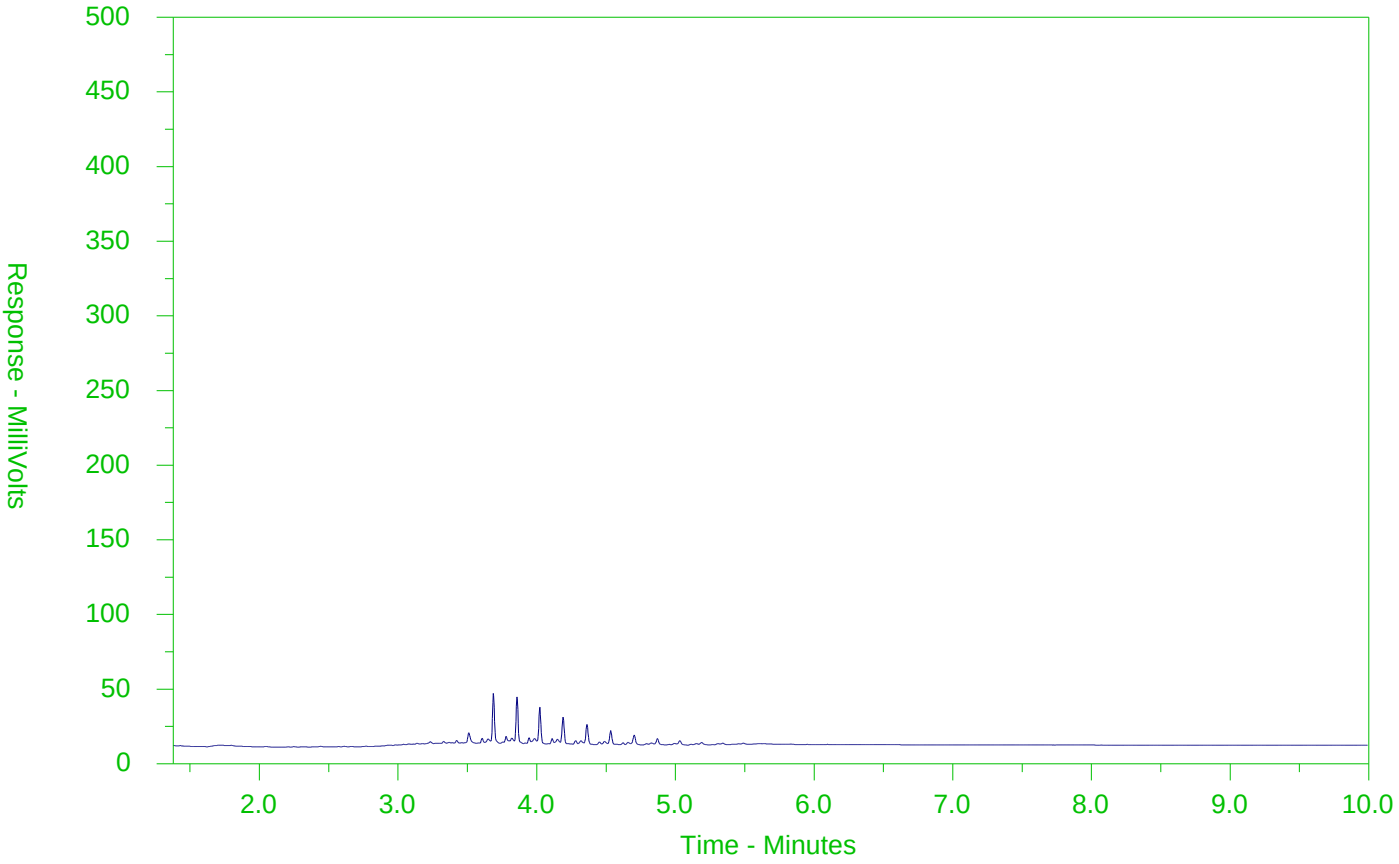
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1954617-3
Client Sample ID: BH303



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

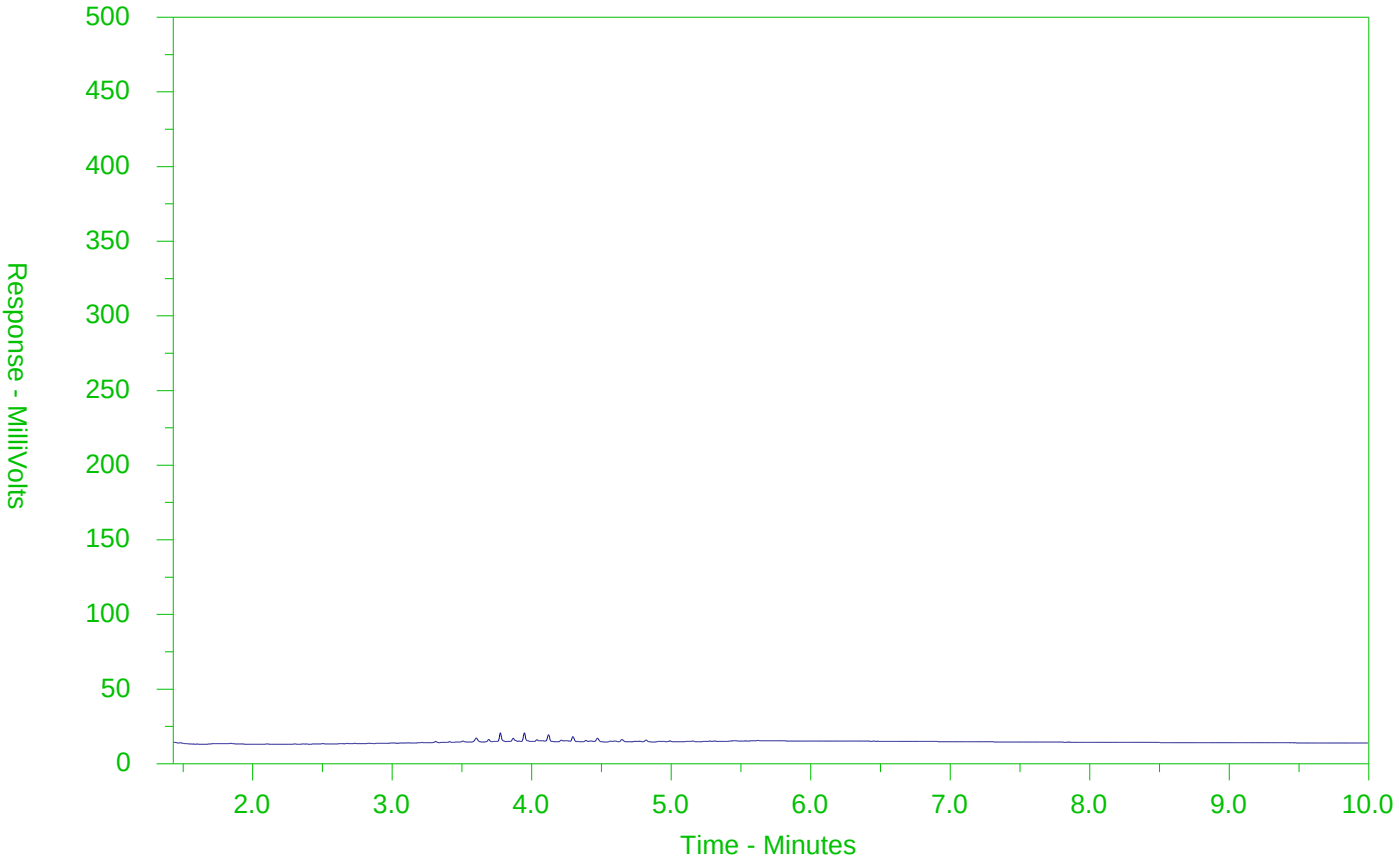
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1954617-4
Client Sample ID: BH304



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →	← Motor Oils/Lube Oils/Grease →		
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

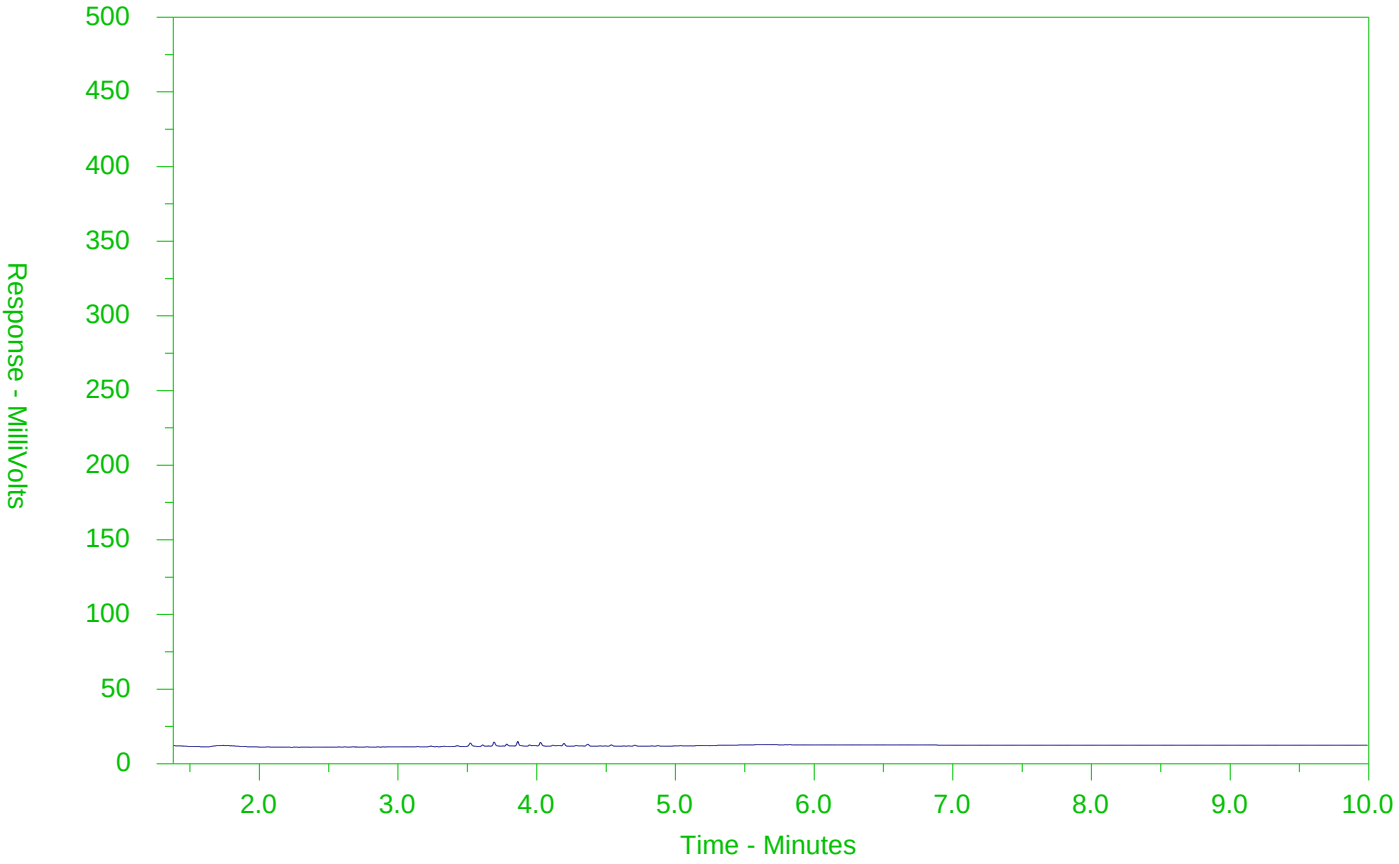
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT

ALS Sample ID: L1954617-5
Client Sample ID: DUP1



←F2→	←F3→	←F4→	
nC10	nC16	nC34	nC50
174°C	287°C	481°C	575°C
346°F	549°F	898°F	1067°F
Gasoline →		← Motor Oils/Lube Oils/Grease →	
← Diesel/Jet Fuels →			

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

ALS Environmental
www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L1954617-COFC

COC Number: 15 - 548319

Page 1 of 1

Report To	Contact and company name below will appear on the final report
Company:	Terraprobe
Contact:	Sovish Melanta
Phone:	705 739 8355
Company address below will appear on the final report	
Street:	220 Bayview Dr. Unit 25
City/Province:	Barrie, ON
Postal Code:	L4N 4Y8
Invoice To	Same as Report To [X] YES [ ] NO
	Copy of Invoice with Report [ ] YES [ ] NO
Company:	
Contact:	LORENA ROSSI

Report Format / Distribution	
Select Report Format:	[X] PDF [X] EXCEL [ ] EDD (DIGITAL)
Quality Control (QC) Report with Report	[X] YES [ ] NO
[X] Compare Results to Criteria on Report - provide details below if box checked	
Select Distribution:	[X] EMAIL [ ] MAIL [ ] FAX
Email 1 or Fax	smelanta@terraprobe.ca
Email 2	Matt@terraprobe.ca
Email 3	

Invoice Distribution	
Select Invoice Distribution:	[X] EMAIL [ ] MAIL [ ] FAX
Email 1 or Fax	LRossi@Terraprobe.ca
Email 2	

Project Information	
ALS Account # / Quote #:	
Job #:	1-17-0147-42
PO / AFE:	
LSD:	06E
ALS Lab Work Order # (lab use only)	L1954617

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	
ALS Contact:	Sampler:

Select Service Level Below - Please confirm all E&P TATs with your AM - surcharges will apply

Regular [R] [X] Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4] [ ] | 3 day [P3] [ ] | 2 day [P2] [ ]

EMERGENCY: 1 Business day [E1] [ ] | Same Day, Weekend or Statutory holiday [E0] [ ]

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Metals & Inorganics	PAHs	BTEX/F1-F4	VOCs	Number of Containers
1	BH301	05-07-17	10:00	GW	X	X	X	X	12
2	BH302	05-07-17	11:30	GW	X	X	X	X	12
3	BH303	05-07-17	9:00	GW	X	X	X	X	12
4	BH304	05-07-17	8:00	GW	X	X	X	X	12
5	DUP1	05-07-17	8:00	GW	X	X	X	X	12

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)
Are samples taken from a Regulated DW System? [ ] YES [X] NO	- BSC, Table 2, course grained, RPI
Are samples for human drinking water use? [ ] YES [X] NO	- If Sediment, decant Should be okay though.

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen [ ] | SIF Observations Yes [ ] No [ ]

Ice Packs [ ] Ice Cubes [ ] | Custody seal intact Yes [ ] No [ ]

Cooling Initiated [ ]

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
			5.1		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:	Time:
Nicholas Gauvreau	07/06/17	8:00		6/7/17	1200	RW	July 06, 2017	17:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

OCTOBER 2015 FRONT

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

RW

Appendix F
Regulatory Agency Records

Aditya Khandekar

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Tuesday, November 5, 2019 2:54 PM
To: Aditya Khandekar
Subject: RE: GHD - TSSA's Tank Registry Database Search Request - Barrie, ON

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,

Gaya

From: Aditya.Khandekar@ghd.com <Aditya.Khandekar@ghd.com>
Sent: November 5, 2019 1:50 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: RE: GHD - TSSA's Tank Registry Database Search Request - Barrie, ON

51 - Bradford Street, Barrie, Ontario
55 - Bradford Street, Barrie, Ontario
75 - Bradford Street, Barrie, Ontario

Thank you,

Aditya Khandekar, PE

GHD
Proudly employee owned
T: 416-360-1600 | M: 647-562-3090 | E: aditya.khandekar@ghd.com
184 Front Street East, Suite 302 Toronto Ontario M5A 4N3 Canada | www.ghd.com

Connect

WATER | ENERGY & RESOURCES | ENVIRONMENT | PROPERTY & BUILDINGS | TRANSPORTATION

Please consider our environment before printing this email

From: Public Information Services <publicinformationservices@tssa.org>
Sent: Tuesday, November 5, 2019 1:47 PM
To: Aditya Khandekar <Aditya.Khandekar@ghd.com>
Subject: RE: GHD - TSSA's Tank Registry Database Search Request - Barrie, ON

Hello Aditya. Thank you for your request for confirmation of public information.

To facilitate our search, would you kindly provide a list of each individual address you want searched. TSSA is unable to search by ranges (e.g. 101 – 113), longitude and latitude, or proximate location.

Thank you in advance and kind regards,

Gaya

From: Aditya.Khandekar@ghd.com <Aditya.Khandekar@ghd.com>
Sent: November 5, 2019 9:39 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: GHD - TSSA's Tank Registry Database Search Request - Barrie, ON

Hello,

GHD would like to request a search of the TSSA's Tank Registry Database for any records indicative of fuel tanks installed at the location listed below.

51-75 Bradford Street, Barrie, Ontario

Thank you,

Aditya Khandekar, PE

GHD
Proudly employee owned
T: 416-360-1600 | M: 647-562-3090 | E: aditya.khandekar@ghd.com
184 Front Street East, Suite 302 Toronto Ontario M5A 4N3 Canada | www.ghd.com

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Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

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

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

November 28, 2019

Aditya Khandekar
GHD Limited
184 Front Street East, Suite 302
Toronto, ON M5A 4N3

Dear Aditya Khandekar:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2019-08218, Your Reference 11201680

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of $5.00 (non-refundable application fee), along with your $30.00 deposit.

The search is being conducted on the following: 51, 55 and 75 Bradford Street, Barrie. If there is any discrepancy please contact us immediately.

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Dany Briollais at dany.briollais@ontario.ca.

Yours truly,

Dalia Bouganim
Manager (A), Access and Privacy

Appendix G
Environmental Databases Search Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*51-75 Bradford Street, Barrie, ON* *51-75 Bradford Street* *Barrie ON L4N 3A7*
Project No:	*11201680*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20191027001*
Requested by:	*GHD Limited*
Date Completed:	*November 8, 2019*

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

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Executive Summary

Property Information:

Project Property:	*51-75 Bradford Street, Barrie, ON* *51-75 Bradford Street Barrie ON L4N 3A7*
Project No:	*11201680*

Order Information:

Order No:	*20191027001*
Date Requested:	*October 27, 2019*
Requested by:	*GHD Limited*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	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	2	2
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	11	11
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	11	11
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	3	23	26
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	12	12
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	1	1
FSTH	Fuel Storage Tank - Historic	Y	0	1	1
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	102	102
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	4	4
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	1	1

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	2
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	6	6
RST	Retail Fuel Storage Tanks	Y	0	1	1
SCT	Scott's Manufacturing Directory	Y	0	8	8
SPL	Ontario Spills	Y	0	40	40
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	4	52	56
	Total:		7	278	285

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		75 Bradford St Barrie ON L4N3A7	-/0.0	0.15	60
2	EHS		75 Bradford St Barrie ON L4N3A7	-/0.0	0.00	60
3	EHS		Bradford Street Barrie ON	-/0.0	1.10	60
4	WWIS		lot 24 con 5 Barrie ON ***Well ID:*** 7179204	-/0.0	1.28	60
5	WWIS		ON ***Well ID:*** 5712847	-/0.0	0.12	63
6	WWIS		lot 24 con 5 BARRIE ON ***Well ID:*** 7132876	-/0.0	0.15	66
7	WWIS		ON ***Well ID:*** 7315718	-/0.0	2.12	69

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	WWIS		ON **Well ID:** 7189351	SW/12.9	0.15	70
8	WWIS		ON **Well ID:** 7197570	SW/12.9	0.15	70
9	CA		2 Toronto Street Barrie ON L4N 9R2	NE/14.2	0.15	71
9	CA	The Corporation of the City of Barrie	#2 Toronto Street Barrie ON L4N 9R2	NE/14.2	0.15	71
9	ECA	Grand Shores Realty Development Corporation	2 Toronto Street Barrie ON M8W 2W5	NE/14.2	0.15	72
9	ECA	The Corporation of the City of Barrie	#2 Toronto Street Barrie ON L4M 4T5	NE/14.2	0.15	72
9	SPL	City of Barrie	closest to 2 Toronto St, Barrie Barrie ON	NE/14.2	0.15	72
10	SCT	FELLOWSHIP PUBLICATIONS INC	Barrie ON L4M	WSW/23.3	1.12	73
10	SCT	Fellowship Publications Inc - Fellowship Magazine	Barrie ON	WSW/23.3	1.12	73
11	EHS		80 Bradford St Barrie ON L4N 6S7	SW/25.4	0.46	73
11	EXP	TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	SW/25.4	0.46	73
11	EXP	TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	SW/25.4	0.46	74

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	74
11	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	74
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	74
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	75
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON	SW/25.4	0.46	75
11	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	75
11	GEN	The Aerarium Group	80 Bradford St. Suite #300 Barrie ON L4N 6S7	SW/25.4	0.46	76
11	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	76
11	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	76
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	77
11	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	77
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	77
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	78

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	78
11	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON	SW/25.4	0.46	78
11	GEN	Peto MacCallum Ltd.	80 Bradford Street, Suite 300 Barrie ON	SW/25.4	0.46	78
11	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	79
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	79
11	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	79
11	GEN	Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	80
11	GEN	SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	SW/25.4	0.46	80
11	GEN	The Aerarium Group	80 Bradford St. Suite #300 Barrie ON L4N 6S7	SW/25.4	0.46	80
11	GEN	Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	SW/25.4	0.46	81
11	SCT	BARRIE BLUE PRINTING	80 BRADFORD ST BARRIE ON L4N 6S7	SW/25.4	0.46	81
11	SCT	Fellowship Publications Inc - Fellowship Magazine	80 Bradford St Unit 311 Barrie ON L4N 6S7	SW/25.4	0.46	81
11	SCT	Fellowship Magazine	80 Bradford St Suite 311 Barrie ON L4N 6S7	SW/25.4	0.46	81

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	SPL	Aerarium Development Corporation Limited	80 Bradford St Barrie ON	SW/25.4	0.46	82
11	SPL	The Corporation of the City of Barrie	80 Bradford St. Barrie ON	SW/25.4	0.46	82
11	SPL	COMMERCIAL BUILDING	80 BRADFORD ST., BARRIE BY THE BAY COMMERCIAL CENTRE. BARRIE CITY ON L4N 6S7	SW/25.4	0.46	83
11	SPL	UNKNOWN	80 BRADFORD ST. LANEWAY AT SIDE OF BLDG. SEWER BARRIE CITY ON L4N 6S7	SW/25.4	0.46	83
11	SPL		80 Bradford St Barrie ON L4N 6S7	SW/25.4	0.46	84
11	SPL	RESTAURANT	80 BRADFORD ST. (N.O.S.) BARRIE CITY ON L4N 6S7	SW/25.4	0.46	84
11	SPL		80 Bradford St Barrie ON L4N 6S7	SW/25.4	0.46	85
11	SPL		80 Bradford St<UNOFFICIAL> Barrie ON L4N 6S7	SW/25.4	0.46	85
12	CA	All Wash Incorporation	93 Bradford St Barrie ON L4N 3A7	SSW/26.0	0.15	85
12	ECA	All Wash Incorporation	93 Bradford St Barrie ON L4N 7C2	SSW/26.0	0.15	86
12	SPL	BARRIE PUBLIC UTILITIES COMMIS	93 BRADFORD ST. TRANSFORMER BARRIE CITY ON L4N 3A7	SSW/26.0	0.15	86
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	87

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	87
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	87
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	88
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	88
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	89
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON	WNW/27.1	2.10	89
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	PRINCE OF WALES PUBLIC SCHOOL 50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	89
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	90
13	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	WNW/27.1	2.10	90
14	WWIS		ON ***Well ID:*** 7199953	NE/29.1	-0.02	91
15	WWIS		BARRIE ON ***Well ID:*** 7299293	WNW/36.2	3.18	91
16	SPL		Outfall at Lakeshore Drive & Toronto Street Barrie ON	ENE/36.9	-0.69	95
16	SPL	The Corporation of the City of Barrie	Closest int at Lakeshore Drive and Toronto Street Barrie ON	ENE/36.9	-0.69	95

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
17	SPL		1 Toronto Street Barrie ON	ENE/44.3	-0.69	96
18	WWIS		Barrie ON ***Well ID:*** 7280994	SSW/49.6	0.69	96
19	WWIS		BARRIE ON ***Well ID:*** 5739834	NNW/49.8	2.11	98
20	EHS		97 Bradford St Barrie ON L4N3A7	SSW/60.5	0.10	100
21	RSC	Victoria Square Developments Inc.	No municipal address BARRIE ON	SSE/60.6	-0.85	100
22	WWIS		BARRIE ON ***Well ID:*** 7299294	WNW/61.3	3.15	101
23	WWIS		BARRIE ON ***Well ID:*** 7299291	NW/63.2	3.85	104
24	WWIS		Barrie ON ***Well ID:*** 7276986	WNW/65.9	3.85	107
25	SPL	The Corporation of the City of Barrie	Bradford St. - south of Simcoe St. Barrie ON	NNW/66.7	3.23	110
26	RSC	Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	SSE/68.5	-0.85	111
26	RSC	Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9, , ON L4N 6E9	SSE/68.5	-0.85	111
26	RSC	Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	SSE/68.5	-0.85	112
27	ECA	The Corporation of the City of Barrie	65 Dunlop St 87 Simcoe Street Barrie ON L4M 4T5	N/69.5	2.15	112

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
28	EHS		38 Bradford Street Barrie ON L4N 3A8	NW/71.6	3.85	113
29	SPL	CAR WASH	34 VESPRA STREET BARRIE CITY ON L4N 2G6	SSW/77.3	0.04	113
30	EHS		Bradford St. (Highway 11) Barrie ON	SSW/79.1	1.33	113
31	GEN	Fercan Developments Inc.	100 Bradford Street Barrie ON L4N 3A8	SSW/80.4	1.33	114
32	WWIS		Barrie ON ***Well ID:*** 7269401	W/83.4	3.46	114
33	WWIS		Barrie ON ***Well ID:*** 7179175	WNW/84.1	4.31	116
34	EHS		25 Bradford St. 15 High St. Four Son's Auto Service Ltd. Barrie ON L4N 3A7	NNW/84.4	3.15	119
35	EXP	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	NE/84.7	-1.07	119
35	EXP	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	NE/84.7	-1.07	120
35	EXP	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	NE/84.7	-1.07	120
35	FST	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	NE/84.7	-1.07	120
35	FSTH	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	NE/84.7	-1.07	120
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	NE/84.7	-1.07	121

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	NE/84.7	-1.07	121
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	NE/84.7	-1.07	121
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	NE/84.7	-1.07	122
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	NE/84.7	-1.07	122
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	NE/84.7	-1.07	122
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	NE/84.7	-1.07	123
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	NE/84.7	-1.07	123
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	NE/84.7	-1.07	123
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	NE/84.7	-1.07	124
35	GEN	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	NE/84.7	-1.07	124
35	PRT	CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	NE/84.7	-1.07	124
35	SPL		55S Lakeshore Dr Lakeshore Mews Barrie ON NA	NE/84.7	-1.07	124
35	SPL	PRIVATE OWNER	55 LAKESHORE DR. ""D"" DOCK SLIP #34 PLEASURE CRAFT BARRIE CITY ON	NE/84.7	-1.07	125

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	SPL		55 Lakeshore Blvd CITY OF BARRIE MARINA<UNOFFICIAL> Barrie ON	NE/84.7	-1.07	125
35	SPL		55 Lakeshore Dr BARRIE MARINA<UNOFFICIAL> Barrie ON	NE/84.7	-1.07	126
35	SPL		55 Lakeshore Drive Barrie ON	NE/84.7	-1.07	126
35	SPL	The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	NE/84.7	-1.07	127
35	SPL	Ford On-Site Services Ltd.	PARKING LOT AT 55 LAKESHORE RD<UNOFFICIAL> Barrie ON	NE/84.7	-1.07	127
35	SPL		55S Lakeshore Dr Lakeshore Mews Barrie ON NA	NE/84.7	-1.07	128
35	SPL	The Corporation of the City of Barrie	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	NE/84.7	-1.07	128
36	EHS		100 Bradford Street Barrie ON L4N 3A8	SW/84.9	1.46	129
37	CA	BARRIE CITY	VESPRA ST/BRADFORD ST/ELLEN ST BARRIE CITY ON	S/86.0	0.18	129
38	WWIS		BARRIE ON ***Well ID:*** 7299292	NW/87.2	3.95	129
39	LIMO		Lot 24 Concession 5 Vespra & Bradford Street) Barrie Barrie ON	SSW/87.3	1.10	132
40	WWIS		BARRIE ON ***Well ID:*** 5740454	NNW/89.5	2.46	133

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
41	WWIS		Barrie ON **Well ID:** 7252696	SSW/94.7	1.33	140
42	CA	P.U.C. BARRIE	VESPRA ST/ELLEN ST. BARRIE CITY ON	S/97.3	-0.85	142
43	WWIS		Barrie ON **Well ID:** 7117031	NE/101.5	0.15	142
44	EHS		125 Dunlop Street West & 50 Bradford Street Barrie ON L4N 3A8	NW/104.1	4.15	145
45	SPL		31 Vespra Street Barrie ON	S/105.8	1.24	145
46	WWIS		Barrie ON **Well ID:** 7297314	WNW/107.1	4.18	146
47	EHS		Simcoe And Toronto, Barrie Barrie ON	N/108.0	1.15	148
47	SPL		Simcoe Street and Toronto Street to Simcoe Street to Bradford Street Barrie ON	N/108.0	1.15	149
47	SPL	The Corporation of the City of Barrie	Toronto St and Simcoe Street Barrie ON	N/108.0	1.15	149
48	SPL		Toronto and Simcoe Street Barrie ON	N/109.0	1.15	150
49	SPL	The Corporation of the City of Barrie	intersection of Simcoe and Bradford St Barrie ON	NNW/110.3	3.47	150
50	SPL	PRIVATE OWNER	CITY OF BARRIE MARINA H-PIER PLEASURE CRAFT BARRIE CITY ON	ENE/112.6	-1.85	150
51	WWIS		Barrie ON	N/116.2	2.19	151

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7269454			
51	WWIS		BARRIE ON ***Well ID:*** 7264472	N/116.2	2.19	152
52	EHS		28 Toronto Street Barrie ON	N/118.7	2.19	155
53	WWIS		Barrie ON ***Well ID:*** 7179174	NW/123.1	4.20	155
54	EHS		36 Ellen St Barrie ON L4N3A3	S/123.3	0.15	157
55	EHS		19 Bradford St Barrie ON	NNW/123.9	3.15	158
56	WWIS		Barrie ON ***Well ID:*** 7276985	NNW/124.9	4.18	158
57	EHS		28 Toronto St Barrie ON L4N1T9	N/125.0	2.19	161
58	WWIS		Barrie ON ***Well ID:*** 7209097	SW/125.3	2.34	162
59	WWIS		Barrie ON ***Well ID:*** 7297311	WNW/125.9	4.16	164
60	RSC	Victoria Square Developments Inc	No municipal address, BARRIE ON	SSE/125.9	-0.93	166
61	WWIS		BARRIE ON ***Well ID:*** 5740457	NNW/126.8	3.15	167
62	ECA	The Corporation of the City of Barrie	39 High St Simcoe Street & 2-28 Toronto St Barrie ON L4M 4T5	NNW/129.5	3.30	171
62	ECA	The Corporation of the City of Barrie	39 High St Simcoe Street & 2-28 Toronto St Barrie ON L4M 4T5	NNW/129.5	3.30	172

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
62	SPL	The Corporation of the City of Barrie	15 - 39 High St Simcoe Street & 2-28 Toronto St Barrie ON	NNW/129.5	3.30	172
63	WWIS		Barrie ON ***Well ID:*** 7231051	N/131.1	1.15	172
64	EHS		28 Toronto St Barrie ON L4N1T9	N/132.0	2.15	175
65	WWIS		Barrie ON ***Well ID:*** 7231050	N/133.9	1.15	175
66	WWIS		Barrie ON ***Well ID:*** 7231049	NNE/142.7	0.82	178
67	EHS		37 Ellen St Barrie ON	SSE/143.0	0.12	181
68	WWIS		ON ***Well ID:*** 7202513	W/144.4	3.46	181
69	WWIS		ON ***Well ID:*** 7234147	SE/149.1	-0.76	182
69	WWIS		ON ***Well ID:*** 7247352	SE/149.1	-0.76	183
70	WWIS		Barrie ON ***Well ID:*** 7281696	SSW/149.8	2.02	183
71	GEN	BARRIE PUBLIC UTILITIES COMMISSION	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	NNW/150.2	4.30	187
71	GEN	BARRIE PUBLIC UTILITIES COMMISSION04-318	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	NNW/150.2	4.30	187

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
72	WWIS		ON **Well ID:** 7169807	ENE/151.8	-1.85	188
73	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/158.5	2.05	189
73	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/158.5	2.05	190
73	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/158.5	2.05	190
73	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/158.5	2.05	190
73	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	SSW/158.5	2.05	190
73	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON	SSW/158.5	2.05	191
73	EXP	THOWISEL LTD	111 BRADFORD ST BARRIE ON	SSW/158.5	2.05	191
73	GEN	Thowisel Limited	111 Bradford St. Barrie ON L4N 3A9	SSW/158.5	2.05	191
73	PRT	THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N3A9	SSW/158.5	2.05	191
73	RST	TOM'S AUTO SERVICE	111 BRADFORD ST BARRIE ON L4N3A9	SSW/158.5	2.05	191
74	EHS		111 Bradford St Barrie ON	S/160.1	2.05	192
75	EHS		111 Bradford Street & 30 Victoria Street Barrie ON L4N 3A9	S/161.7	2.02	192

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
76	WWIS		Barrie ON ***Well ID:*** 7231048	NNE/163.1	0.09	192
77	WWIS		ON ***Well ID:*** 5717577	ESE/163.3	-1.30	195
78	SPL	PUC	25 TORONTO ST. BARRIE CITY ON L4N 1T8	N/165.6	1.15	202
79	HINC		31B TORONTO STREET BARRIE ON L4N 1T8	N/165.8	1.46	202
80	EHS		36 Toronto St Barrie ON L4N1T9	N/166.9	3.24	203
81	EHS		34 Simcoe Street and 2 Mary Street Barrie ON	NNE/167.5	0.09	203
82	EHS		37 Ellen Street Barrie ON	SSE/167.8	0.12	203
82	GEN	HASSEY MANAGEMENT CORP	37 ELLEN STREET BARRIE ON L4N 6G2	SSE/167.8	0.12	203
82	GEN	SSCC 354	37 ELLEN STREET BARRIE ON L4N 6G2	SSE/167.8	0.12	204
82	GEN	SSCC 354	37 ELLEN STREET BARRIE ON L4N 6G2	SSE/167.8	0.12	204
82	HINC		37 ELLEN STREET BARRIE ON L4N 6G2	SSE/167.8	0.12	204
82	RSC	Victoria Square Developments Inc.	37 Ellen Street Barrie Ontario, L4N 6G2 Barrie ON L4N 6G2	SSE/167.8	0.12	205
82	SCT	Axmith & Company Ltd.	37 Ellen St Suite 905 Barrie ON L4N 6G2	SSE/167.8	0.12	205

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
82	SPL	Enbridge Gas Distribution Inc.	37 Ellen St. Barrie ON L4N 6G2	SSE/167.8	0.12	205
83	GEN	The Corporation of The City of Barrie	34 Simcoe Street Barrie ON L4N 6T4	NNE/171.6	0.09	206
83	GEN	Golfside Construction Limited	34 Simcoe Street Barrie ON	NNE/171.6	0.09	206
83	GEN	The Corporation of The City of Barrie	34 Simcoe Street Barrie ON L4N 6T4	NNE/171.6	0.09	206
83	GEN	Golfside Construction Limited	34 Simcoe Street Barrie ON L4N 6T4	NNE/171.6	0.09	207
83	GEN	The Corporation of The City of Barrie	34 Simcoe Street Barrie ON L4N 6T4	NNE/171.6	0.09	207
83	SPL	The Corporation of the City of Barrie	34 Simcoe St Barrie ON NA	NNE/171.6	0.09	207
83	SPL	The Corporation of the City of Barrie; Golfside Construction Ltd.	Toronto St and Marina; 34 Simcoe St Barrie; Barrie ON	NNE/171.6	0.09	208
84	HINC		33 TORONTO STREET BARRIE ON L4N 1T8	N/174.9	2.18	208
85	EHS		11 High St. Barrie ON L4N 1V9	NNW/176.3	3.15	209
85	GEN	Painters Supply & Equipment (Canada) Inc.	11 High Street Barrie ON L4N 1V9	NNW/176.3	3.15	209
85	GEN	CARQUEST AUTOMOTIVE FINISHES CANADA LTD	11 HIGH STREET BARRIE ON L4N 1V9	NNW/176.3	3.15	209
86	WWIS		ON ***Well ID:*** 7180078	SW/177.6	2.88	209

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
87	CA	The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON	N/180.1	2.18	212
88	WWIS		BARRIE ON ***Well ID:*** 5739445	SSE/181.4	0.87	212
89	HINC		35 TORONTO STREET BARRIE ON L4N 1T8	N/182.7	2.18	214
90	WWIS		BARRIE ON ***Well ID:*** 7299289	NW/183.1	4.15	214
91	WWIS		BARRIE ON ***Well ID:*** 7299287	W/190.8	5.15	217
92	CA	P.U.C. BARRIE	ELLEN ST./VICTORIA ST. BARRIE CITY ON	S/192.9	0.85	220
93	SPL		12? Bradford St Barrie ON	NNW/195.0	4.24	220
94	GEN	LEADING EDGE GRAPHICS	14 HIGH STREET SUITE 300 BARRIE ON L4N 1W1	NNW/196.6	4.15	221
95	CA	BARRIE CITY - PT.LOTS 41&44,LOTS 42 & 49	MARY ST./SIMCOE ST. BARRIE CITY ON	NNE/200.1	-0.18	221
96	GEN	City of Barrie	15 High Street Barrie ON L4N 1V9	NNW/204.0	4.24	221
97	WWIS		lot 24 con 5 Barrie ON ***Well ID:*** 7297315	NNW/206.4	4.15	222
98	WWIS		BARRIE ON ***Well ID:*** 7299290	NNW/209.1	4.15	225
99	WWIS		ON ***Well ID:*** 7197569	SW/211.1	3.85	228

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
100	WWIS		lot 24 ON ***Well ID:*** 5736742	SE/212.7	-0.82	229
101	SCT	Barrie Denture Clinic	5 Bradford St Barrie ON L4N 3A6	NNW/214.0	3.15	233
102	CA	The Corporation of the City of Barrie	15-39 High Street, Simcoe Street & 2-28 Toronto Street Barrie ON	NNW/221.1	3.10	233
103	ECA	120 Bradford Inc.	120 Bradford St Barrie ON L4N 3B3	SSW/221.6	4.30	233
104	GEN	Sacksen Medicine Prof. Corp	11 Victoria St. Unit B1 Barrie ON L4N 6T3	SSE/221.7	1.15	233
104	GEN	Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	SSE/221.7	1.15	234
104	GEN	Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	SSE/221.7	1.15	234
104	GEN	Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	SSE/221.7	1.15	234
104	GEN	Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	SSE/221.7	1.15	235
104	GEN	Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	SSE/221.7	1.15	235
104	GEN	Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	SSE/221.7	1.15	235
104	GEN	Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	SSE/221.7	1.15	236
104	GEN	Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	SSE/221.7	1.15	236

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
104	GEN	Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	SSE/221.7	1.15	236
105	EHS		26 Mary Street Barrie ON L4N 1S8	N/222.9	1.46	236
106	ECA	The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON L4M 4T5	N/224.2	2.37	237
106	ECA	The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON L4M 4T5	N/224.2	2.37	237
107	WWIS		Barrie ON ***Well ID:*** 7174734	SW/228.0	4.15	237
107	WWIS		Barrie ON ***Well ID:*** 7174710	SW/228.0	4.15	239
108	WWIS		BARRIE ON ***Well ID:*** 7274297	SSW/229.5	4.30	241
109	EHS		11 Victoria Street Barrie ON L4N 6T3	SSE/229.5	1.15	243
110	GEN	VALLEY (OUT OF BUSINESS) 40-119	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	NNE/230.8	1.21	243
110	GEN	VALLEY BUS LINES (BARRIE) LTD.	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	NNE/230.8	1.21	244
111	SCT	Owen Signcraft Limited	48 Ellen St Barrie ON L4N 3A4	S/232.5	2.31	244
112	EHS		35-39 High Street Barrie ON L4N 1W2	NNW/233.5	4.15	244
113	WWIS		ON	SE/233.8	-1.02	245

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 5717579			
114	CA		13 Mary Street Barrie ON	NNE/239.2	1.21	251
114	ECA	Barrie Public Utilities Commission	13 Mary Street Barrie ON L4M 4V8	NNE/239.2	1.21	251
115	WWIS		ON ***Well ID:*** 7211329	SSW/241.7	4.13	251
116	WWIS		ON ***Well ID:*** 7180074	WSW/243.4	2.23	252
117	WWIS		Barrie ON ***Well ID:*** 7174733	SW/243.7	4.15	254
117	WWIS		Barrie ON ***Well ID:*** 7174732	SW/243.7	4.15	256
118	ANDR	Vespra & Brantford St Dump	Barrie ON L4N	WSW/244.0	2.45	258
118	ANDR	Vespra & Innisfil Dump II	Barrie ON L4N	WSW/244.0	2.45	258
119	WWIS		ON ***Well ID:*** 5700230	NNE/246.0	1.86	259
120	WWIS		BARRIE ON ***Well ID:*** 7153856	SW/247.3	4.15	263
121	INC		LAKESHORE DR & VICTORIA ST, BARRIE ON	SSE/247.9	0.15	267
121	SPL	The Corporation of the City of Barrie	Lakeshore Dr & Victoria St; Lakeshore Drive and Victoria St Barrie; Barrie ON NA	SSE/247.9	0.15	268

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
121	SPL	The Corporation of the City of Barrie	Victoria Street and Lakeshore Drive Barrie ON	SSE/247.9	0.15	269
121	SPL	The Corporation of the City of Barrie; Atlas Dewatering Corporation	Corner of Lakeshore and Victoria Barrie ON	SSE/247.9	0.15	269
122	GEN	1367146 Ontario Ltd.	85 Dunlop St.West Barrie ON	N/248.4	2.07	270
122	GEN	Ripple Effect Foods Inc.	85 Dunlop St. W. Barrie ON L4N1A5	N/248.4	2.07	270
122	GEN	Ripple Effect Foods Inc.	85 Dunlop St. W. Barrie ON L4N1A5	N/248.4	2.07	270
123	GEN	SIMCOE BOARD OF EDUCATION	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	271
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	271
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	272
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	273
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	274
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	275
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	276

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
123	GEN	SIMCOE BOARD OF EDUCATION 35-746	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	276
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	277
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON	NW/248.8	4.15	278
123	GEN	SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	NW/248.8	4.15	279
124	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	SW/249.1	4.18	280
124	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	SW/249.1	4.18	280
124	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	SW/249.1	4.18	281
124	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	SW/249.1	4.18	281
124	GEN	BARRIE, CITY OF - FIRE DEPARTMENT	65 VESPRA DRIVE BARRIE ON L4N 2G8	SW/249.1	4.18	282
124	GEN	BARRIE, CITY OF - FIRE DEPARTMENT 05-373	65 VESPRA DRIVE BARRIE ON L4N 2G8	SW/249.1	4.18	282
124	GEN	THE CORPORATION OF THE CITY OF BARRIE	65 VESPRA STREET BARRIE ON	SW/249.1	4.18	282
125	SPL		15 SIMCOE STREET<UNOFFICIAL> Barrie ON	NE/249.2	-1.15	283

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
126	CA	The Corporation of the City of Barrie	155 Dunlop St W Barrie ON	WNW/249.3	5.28	283
126	ECA	The Corporation of the City of Barrie	155 Dunlop St W Barrie ON L4M 4T5	WNW/249.3	5.28	284
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	WNW/249.3	5.28	284
126	GEN	CITY OF BARRIE	155 DUNLOP STREET WEST BARRIE ON	WNW/249.3	5.28	284
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	WNW/249.3	5.28	285
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	WNW/249.3	5.28	285
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	WNW/249.3	5.28	286
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	WNW/249.3	5.28	286
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON	WNW/249.3	5.28	287
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 6N9	WNW/249.3	5.28	287
126	GEN	BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 6N9	WNW/249.3	5.28	288
127	WWIS		Barrie ON ***Well ID:*** 7108757	NNE/249.4	1.21	288

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 2 ANDR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Vespra & Brantford St Dump	Barrie ON L4N	244.0	118
Vespra & Innisfil Dump II	Barrie ON L4N	244.0	118

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 11 CA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
The Corporation of the City of Barrie	#2 Toronto Street Barrie ON L4N 9R2	14.2	9
	2 Toronto Street Barrie ON L4N 9R2	14.2	9
All Wash Incorporation	93 Bradford St Barrie ON L4N 3A7	26.0	12
BARRIE CITY	VESPRA ST/BRADFORD ST/ELLEN ST BARRIE CITY ON	86.0	37
P.U.C. BARRIE	VESPRA ST/ELLEN ST. BARRIE CITY ON	97.3	42
The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street	180.1	87

Site	Address	Distance (m)	Map Key
	Barrie ON		
P.U.C. BARRIE	ELLEN ST./VICTORIA ST. BARRIE CITY ON	192.9	92
BARRIE CITY - PT.LOTS 41&44,LOTS 42 & 49	MARY ST./SIMCOE ST. BARRIE CITY ON	200.1	95
The Corporation of the City of Barrie	15-39 High Street, Simcoe Street & 2-28 Toronto Street Barrie ON	221.1	102
	13 Mary Street Barrie ON	239.2	114
The Corporation of the City of Barrie	155 Dunlop St W Barrie ON	249.3	126

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Sep 30, 2019 has found that there are 11 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
The Corporation of the City of Barrie	#2 Toronto Street Barrie ON L4M 4T5	14.2	9
Grand Shores Realty Development Corporation	2 Toronto Street Barrie ON M8W 2W5	14.2	9
All Wash Incorporation	93 Bradford St Barrie ON L4N 7C2	26.0	12
The Corporation of the City of Barrie	65 Dunlop St 87 Simcoe Street Barrie ON L4M 4T5	69.5	27

Site	Address	Distance (m)	Map Key
The Corporation of the City of Barrie	39 High St Simcoe Street & 2-28 Toronto St Barrie ON L4M 4T5	129.5	62
The Corporation of the City of Barrie	39 High St Simcoe Street & 2-28 Toronto St Barrie ON L4M 4T5	129.5	62
120 Bradford Inc.	120 Bradford St Barrie ON L4N 3B3	221.6	103
The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON L4M 4T5	224.2	106
The Corporation of the City of Barrie	No 28 - No 48 Toronto Street No 34 Simcoe Street Barrie ON L4M 4T5	224.2	106
Barrie Public Utilities Commission	13 Mary Street Barrie ON L4M 4V8	239.2	114
The Corporation of the City of Barrie	155 Dunlop St W Barrie ON L4M 4T5	249.3	126

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2019 has found that there are 26 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	75 Bradford St Barrie ON L4N3A7	0.0	1
	75 Bradford St Barrie ON L4N3A7	0.0	2

Site	Address	Distance (m)	Map Key
	Bradford Street Barrie ON	0.0	3
	80 Bradford St Barrie ON L4N 6S7	25.4	11
	97 Bradford St Barrie ON L4N3A7	60.5	20
	38 Bradford Street Barrie ON L4N 3A8	71.6	28
	Bradford St. (Highway 11) Barrie ON	79.1	30
	25 Bradford St. 15 High St. Four Son's Auto Service Ltd. Barrie ON L4N 3A7	84.4	34
	100 Bradford Street Barrie ON L4N 3A8	84.9	36
	125 Dunlop Street West & 50 Bradford Street Barrie ON L4N 3A8	104.1	44
	Simcoe And Toronto, Barrie Barrie ON	108.0	47
	28 Toronto Street Barrie ON	118.7	52
	36 Ellen St Barrie ON L4N3A3	123.3	54
	19 Bradford St Barrie ON	123.9	55

Site	Address	Distance (m)	Map Key
	28 Toronto St Barrie ON L4N1T9	125.0	57
	28 Toronto St Barrie ON L4N1T9	132.0	64
	37 Ellen St Barrie ON	143.0	67
	111 Bradford St Barrie ON	160.1	74
	111 Bradford Street & 30 Victoria Street Barrie ON L4N 3A9	161.7	75
	36 Toronto St Barrie ON L4N1T9	166.9	80
	34 Simcoe Street and 2 Mary Street Barrie ON	167.5	81
	37 Ellen Street Barrie ON	167.8	82
	11 High St. Barrie ON L4N 1V9	176.3	85
	26 Mary Street Barrie ON L4N 1S8	222.9	105
	11 Victoria Street Barrie ON L4N 6T3	229.5	109

Site	Address	Distance (m)	Map Key
	35-39 High Street Barrie ON L4N 1W2	233.5	112

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 12 EXP site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	25.4	11
TRIPLE B WAREHOUSING LTD	80 BRADFORD ST BARRIE ON	25.4	11
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	84.7	35
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.7	35
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.7	35
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	158.5	73
THOWISEL LTD	111 BRADFORD ST BARRIE ON	158.5	73
THOWISEL LTD	111 BRADFORD ST BARRIE ON	158.5	73
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	158.5	73

Site	Address	Distance (m)	Map Key
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	158.5	73
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	158.5	73
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N 3A9	158.5	73

FST - Fuel Storage Tank

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

Site	Address	Distance (m)	Map Key
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON L4N 7Y9	84.7	35

FSTH - Fuel Storage Tank - Historic

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

Site	Address	Distance (m)	Map Key
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.7	35

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2019 has found that there are 102 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11

Site	Address	Distance (m)	Map Key
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON	25.4	11
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
The Aerarium Group	80 Bradford St. Suite #300 Barrie ON L4N 6S7	25.4	11
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11

Site	Address	Distance (m)	Map Key
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON	25.4	11
Peto MacCallum Ltd.	80 Bradford Street, Suite 300 Barrie ON	25.4	11
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
Bayshore Home Health	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
SIMCOE MUSKOKA DISTRICT HEALTH UNIT	80 Bradford St. Suite #403 Barrie ON L4N 6S7	25.4	11
The Aerarium Group	80 Bradford St. Suite #300 Barrie ON L4N 6S7	25.4	11
Bayshore Healthcare Ltd.	80 Bradford Street, Suite 525 Barrie ON L4N 6S7	25.4	11
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13

Site	Address	Distance (m)	Map Key
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	PRINCE OF WALES PUBLIC SCHOOL 50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
SIMCOE COUNTY DISTRICT SCHOOL BOARD	50 BRADFORD STREET BARRIE ON L4N 3A8	27.1	13
Fercan Developments Inc.	100 Bradford Street Barrie ON L4N 3A8	80.4	31
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.7	35

Site	Address	Distance (m)	Map Key
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON L4M 4T5	84.7	35
BARRIE PUBLIC UTILITIES COMMISSION	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	150.2	71
BARRIE PUBLIC UTILITIES COMMISSION04-318	CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8	150.2	71

Site	Address	Distance (m)	Map Key
Thowisel Limited	111 Bradford St. Barrie ON L4N 3A9	158.5	73
HASSEY MANAGEMENT CORP	37 ELLEN STREET BARRIE ON L4N 6G2	167.8	82
SSCC 354	37 ELLEN STREET BARRIE ON L4N 6G2	167.8	82
SSCC 354	37 ELLEN STREET BARRIE ON L4N 6G2	167.8	82
The Corporation of The City of Barrie	34 Simcoe Street Barrie ON L4N 6T4	171.6	83
Golfside Construction Limited	34 Simcoe Street Barrie ON	171.6	83
The Corporation of The City of Barrie	34 Simcoe Street Barrie ON L4N 6T4	171.6	83
Golfside Construction Limited	34 Simcoe Street Barrie ON L4N 6T4	171.6	83
The Corporation of The City of Barrie	34 Simcoe Street Barrie ON L4N 6T4	171.6	83
Painters Supply & Equipment (Canada) Inc.	11 High Street Barrie ON L4N 1V9	176.3	85
CARQUEST AUTOMOTIVE FINISHES CANADA LTD	11 HIGH STREET BARRIE ON L4N 1V9	176.3	85

Site	Address	Distance (m)	Map Key
LEADING EDGE GRAPHICS	14 HIGH STREET SUITE 300 BARRIE ON L4N 1W1	196.6	94
City of Barrie	15 High Street Barrie ON L4N 1V9	204.0	96
Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	221.7	104
Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	221.7	104
Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	221.7	104
Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	221.7	104
Resolution Management Inc	11 Victoria Street Suite 218 Barrie ON L4N 6T3	221.7	104
Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	221.7	104
Sacksen Medicine Prof. Corp	11 Victoria St. Unit B1 Barrie ON L4N 6T3	221.7	104
Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	221.7	104
Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	221.7	104
Lakeshore Family Medicine	216-11 Victoria St. Barrie ON L4N 6T3	221.7	104

Site	Address	Distance (m)	Map Key
VALLEY (OUT OF BUSINESS) 40-119	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	230.8	110
VALLEY BUS LINES (BARRIE) LTD.	GARAGE 19 MARY STREET BARRIE ON L4N 1S9	230.8	110
1367146 Ontario Ltd.	85 Dunlop St.West Barrie ON	248.4	122
Ripple Effect Foods Inc.	85 Dunlop St. W. Barrie ON L4N1A5	248.4	122
Ripple Effect Foods Inc.	85 Dunlop St. W. Barrie ON L4N1A5	248.4	122
SIMCOE BOARD OF EDUCATION	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123

Site	Address	Distance (m)	Map Key
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE BOARD OF EDUCATION 35-746	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON	248.8	123
SIMCOE COUNTY DISTRICT SCHOOL BOARD	BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	248.8	123
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	249.1	124
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	249.1	124
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	249.1	124
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5	249.1	124
BARRIE, CITY OF - FIRE DEPARTMENT	65 VESPRA DRIVE BARRIE ON L4N 2G8	249.1	124
BARRIE, CITY OF - FIRE DEPARTMENT 05-373	65 VESPRA DRIVE BARRIE ON L4N 2G8	249.1	124
THE CORPORATION OF THE CITY OF BARRIE	65 VESPRA STREET BARRIE ON	249.1	124

Site	Address	Distance (m)	Map Key
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	249.3	126
CITY OF BARRIE	155 DUNLOP STREET WEST BARRIE ON	249.3	126
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	249.3	126
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	249.3	126
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	249.3	126
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5	249.3	126
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON	249.3	126
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 6N9	249.3	126
BARRIE, CORPORATION OF THE CITY OF	FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 6N9	249.3	126

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 4 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	31B TORONTO STREET BARRIE ON L4N 1T8	165.8	79
	37 ELLEN STREET BARRIE ON L4N 6G2	167.8	82
	33 TORONTO STREET BARRIE ON L4N 1T8	174.9	84
	35 TORONTO STREET BARRIE ON L4N 1T8	182.7	89

INC - Fuel Oil Spills and Leaks

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

Site	Address	Distance (m)	Map Key
	LAKESHORE DR & VICTORIA ST, BARRIE ON	247.9	121

LIMO - Landfill Inventory Management Ontario

A search of the LIMO database, dated Feb 28, 2019 has found that there are 1 LIMO site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Lot 24 Concession 5 Vespra & Bradford Street) Barrie Barrie ON	87.3	39

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CITY OF BARRIE PARKS & RECREATION DEPT	55 LAKESHORE DR BARRIE ON	84.7	35
THOWISEL LTD	111 BRADFORD ST BARRIE ON L4N3A9	158.5	73

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Sep 2019 has found that there are 6 RSC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Victoria Square Developments Inc.	No municipal address BARRIE ON	60.6	21
Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	68.5	26
Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9, , ON L4N 6E9	68.5	26
Invar (Vespra) Limited	33 ELLEN ST, BARRIE, ON, L4N 6E9 BARRIE ON L4N 6E9	68.5	26
Victoria Square Developments Inc	No municipal address, BARRIE ON	125.9	60
Victoria Square Developments Inc.	37 Ellen Street Barrie Ontario, L4N 6G2 Barrie ON L4N 6G2	167.8	82

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Jul 31, 2019 has found that there are 1 RST site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
TOM'S AUTO SERVICE	111 BRADFORD ST BARRIE ON L4N3A9	158.5	73

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 8 SCT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Fellowship Publications Inc - Fellowship Magazine	Barrie ON	23.3	10
FELLOWSHIP PUBLICATIONS INC	Barrie ON L4M	23.3	10
Fellowship Magazine	80 Bradford St Suite 311 Barrie ON L4N 6S7	25.4	11
Fellowship Publications Inc - Fellowship Magazine	80 Bradford St Unit 311 Barrie ON L4N 6S7	25.4	11
BARRIE BLUE PRINTING	80 BRADFORD ST BARRIE ON L4N 6S7	25.4	11
Axmith & Company Ltd.	37 Ellen St Suite 905 Barrie ON L4N 6G2	167.8	82
Barrie Denture Clinic	5 Bradford St Barrie ON L4N 3A6	214.0	101
Owen Signcraft Limited	48 Ellen St Barrie ON L4N 3A4	232.5	111

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2019 has found that there are 40 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
City of Barrie	closest to 2 Toronto St, Barrie Barrie ON	14.2	9
	80 Bradford St Barrie ON L4N 6S7	25.4	11
RESTAURANT	80 BRADFORD ST. (N.O.S.) BARRIE CITY ON L4N 6S7	25.4	11
	80 Bradford St Barrie ON L4N 6S7	25.4	11
	80 Bradford St<UNOFFICIAL> Barrie ON L4N 6S7	25.4	11
UNKNOWN	80 BRADFORD ST. LANEWAY AT SIDE OF BLDG. SEWER BARRIE CITY ON L4N 6S7	25.4	11
COMMERCIAL BUILDING	80 BRADFORD ST., BARRIE BY THE BAY COMMERCIAL CENTRE. BARRIE CITY ON L4N 6S7	25.4	11
The Corporation of the City of Barrie	80 Bradford St. Barrie ON	25.4	11
Aerarium Development Corporation Limited	80 Bradford St Barrie ON	25.4	11
BARRIE PUBLIC UTILITIES COMMIS	93 BRADFORD ST. TRANSFORMER BARRIE CITY ON L4N 3A7	26.0	12
	Outfall at Lakeshore Drive & Toronto Street Barrie ON	36.9	16

Site	Address	Distance (m)	Map Key
The Corporation of the City of Barrie	Closest int at Lakeshore Drive and Toronto Street Barrie ON	36.9	16
	1 Toronto Street Barrie ON	44.3	17
The Corporation of the City of Barrie	Bradford St. - south of Simcoe St. Barrie ON	66.7	25
CAR WASH	34 VESPRA STREET BARRIE CITY ON L4N 2G6	77.3	29
	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	84.7	35
PRIVATE OWNER	55 LAKESHORE DR. ""D"" DOCK SLIP #34 PLEASURE CRAFT BARRIE CITY ON	84.7	35
	55 Lakeshore Blvd CITY OF BARRIE MARINA<UNOFFICIAL> Barrie ON	84.7	35
	55 Lakeshore Dr BARRIE MARINA<UNOFFICIAL> Barrie ON	84.7	35
	55 Lakeshore Drive Barrie ON	84.7	35
The Corporation of the City of Barrie	55 Lakeshore Drive Barrie ON	84.7	35
Ford On-Site Services Ltd.	PARKING LOT AT 55 LAKESHORE RD<UNOFFICIAL> Barrie ON	84.7	35
	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	84.7	35

Site	Address	Distance (m)	Map Key
The Corporation of the City of Barrie	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	84.7	35
	31 Vespra Street Barrie ON	105.8	45
	Simcoe Street and Toronto Street to Simcoe Street to Bradford Street Barrie ON	108.0	47
The Corporation of the City of Barrie	Toronto St and Simcoe Street Barrie ON	108.0	47
	Toronto and Simcoe Street Barrie ON	109.0	48
The Corporation of the City of Barrie	intersection of Simcoe and Bradford St Barrie ON	110.3	49
PRIVATE OWNER	CITY OF BARRIE MARINA H-PIER PLEASURE CRAFT BARRIE CITY ON	112.6	50
The Corporation of the City of Barrie	15 - 39 High St Simcoe Street & 2-28 Toronto St Barrie ON	129.5	62
PUC	25 TORONTO ST. BARRIE CITY ON L4N 1T8	165.6	78
Enbridge Gas Distribution Inc.	37 Ellen St. Barrie ON L4N 6G2	167.8	82
The Corporation of the City of Barrie	34 Simcoe St Barrie ON NA	171.6	83

Site	Address	Distance (m)	Map Key
The Corporation of the City of Barrie; Golfside Construction Ltd.	Toronto St and Marina; 34 Simcoe St Barrie; Barrie ON	171.6	83
	12? Bradford St Barrie ON	195.0	93
The Corporation of the City of Barrie; Atlas Dewatering Corporation	Corner of Lakeshore and Victoria Barrie ON	247.9	121
The Corporation of the City of Barrie	Victoria Street and Lakeshore Drive Barrie ON	247.9	121
The Corporation of the City of Barrie	Lakeshore Dr & Victoria St; Lakeshore Drive and Victoria St Barrie; Barrie ON NA	247.9	121
	15 SIMCOE STREET<UNOFFICIAL> Barrie ON	249.2	125

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 56 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 24 con 5 Barrie ON ***Well ID:*** 7179204	0.0	4
	ON ***Well ID:*** 5712847	0.0	5
	lot 24 con 5 BARRIE ON ***Well ID:*** 7132876	0.0	6
	ON	0.0	7

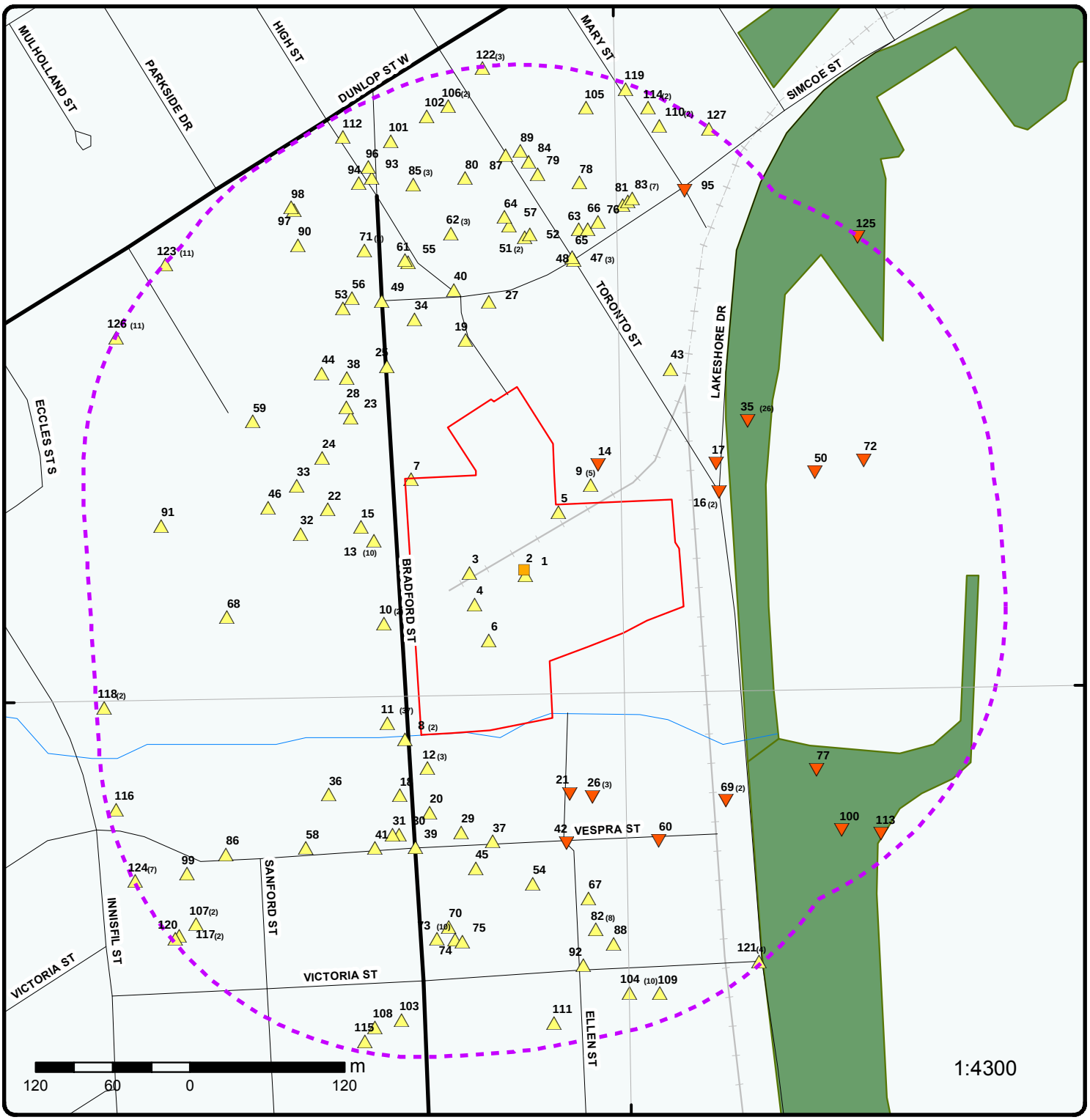
Site	Address	Distance (m)	Map Key
	Well ID: 7315718		
	ON ***Well ID:*** 7189351	12.9	8
	ON ***Well ID:*** 7197570	12.9	8
	ON ***Well ID:*** 7199953	29.1	14
	BARRIE ON ***Well ID:*** 7299293	36.2	15
	Barrie ON ***Well ID:*** 7280994	49.6	18
	BARRIE ON ***Well ID:*** 5739834	49.8	19
	BARRIE ON ***Well ID:*** 7299294	61.3	22
	BARRIE ON ***Well ID:*** 7299291	63.2	23
	Barrie ON ***Well ID:*** 7276986	65.9	24
	Barrie ON ***Well ID:*** 7269401	83.4	32
	Barrie ON ***Well ID:*** 7179175	84.1	33

Site	Address	Distance (m)	Map Key
	BARRIE ON ***Well ID:*** 7299292	87.2	38
	BARRIE ON ***Well ID:*** 5740454	89.5	40
	Barrie ON ***Well ID:*** 7252696	94.7	41
	Barrie ON ***Well ID:*** 7117031	101.5	43
	Barrie ON ***Well ID:*** 7297314	107.1	46
	Barrie ON ***Well ID:*** 7269454	116.2	51
	BARRIE ON ***Well ID:*** 7264472	116.2	51
	Barrie ON ***Well ID:*** 7179174	123.1	53
	Barrie ON ***Well ID:*** 7276985	124.9	56
	Barrie ON ***Well ID:*** 7209097	125.3	58
	Barrie ON ***Well ID:*** 7297311	125.9	59
	BARRIE ON	126.8	61

Site	Address	Distance (m)	Map Key
	Well ID: 5740457		
	Barrie ON ***Well ID:*** 7231051	131.1	63
	Barrie ON ***Well ID:*** 7231050	133.9	65
	Barrie ON ***Well ID:*** 7231049	142.7	66
	ON ***Well ID:*** 7202513	144.4	68
	ON ***Well ID:*** 7234147	149.1	69
	ON ***Well ID:*** 7247352	149.1	69
	Barrie ON ***Well ID:*** 7281696	149.8	70
	ON ***Well ID:*** 7169807	151.8	72
	Barrie ON ***Well ID:*** 7231048	163.1	76
	ON ***Well ID:*** 5717577	163.3	77
	ON ***Well ID:*** 7180078	177.6	86

Site	Address	Distance (m)	Map Key
	BARRIE ON ***Well ID:*** 5739445	181.4	88
	BARRIE ON ***Well ID:*** 7299289	183.1	90
	BARRIE ON ***Well ID:*** 7299287	190.8	91
	lot 24 con 5 Barrie ON ***Well ID:*** 7297315	206.4	97
	BARRIE ON ***Well ID:*** 7299290	209.1	98
	ON ***Well ID:*** 7197569	211.1	99
	lot 24 ON ***Well ID:*** 5736742	212.7	100
	Barrie ON ***Well ID:*** 7174734	228.0	107
	Barrie ON ***Well ID:*** 7174710	228.0	107
	BARRIE ON ***Well ID:*** 7274297	229.5	108
	ON ***Well ID:*** 5717579	233.8	113
	ON	241.7	115

Site	Address	Distance (m)	Map Key
	Well ID: 7211329		
	ON ***Well ID:*** 7180074	243.4	116
	Barrie ON ***Well ID:*** 7174733	243.7	117
	Barrie ON ***Well ID:*** 7174732	243.7	117
	ON ***Well ID:*** 5700230	246.0	119
	BARRIE ON ***Well ID:*** 7153856	247.3	120
	Barrie ON ***Well ID:*** 7108757	249.4	127



Map : 0.25 Kilometer Radius

Order No: 20191027001

Address: 51-75 Bradford Street, Barrie, ON, L4N 3A7

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- 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.

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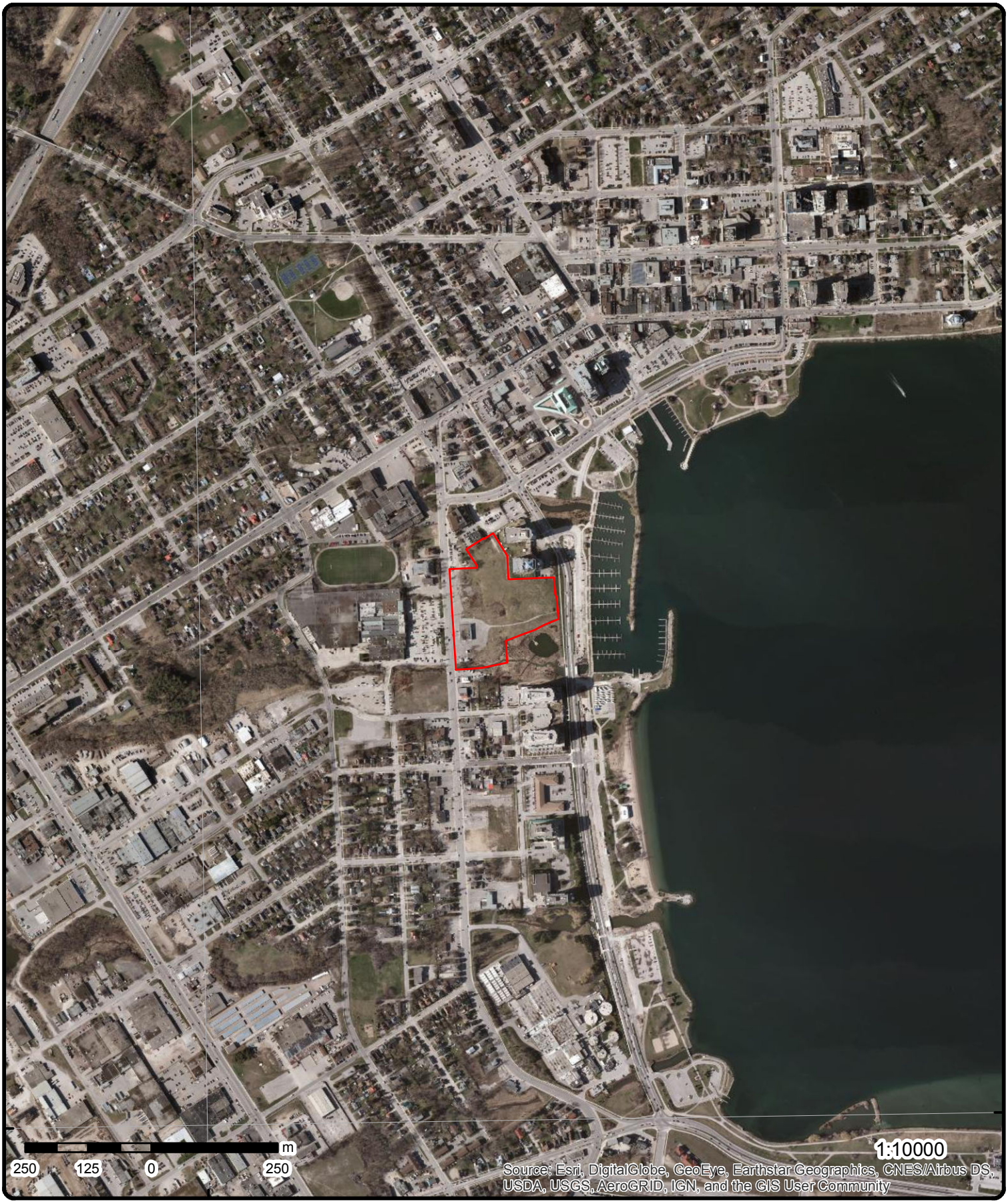
79°42'W



44°22'30"N

44°22'30"N

Aerial (2016)

Address: 51-75 Bradford Street, Barrie, ON, L4N 3A7

Source: ESRI World Imagery

Order No: 20191027001

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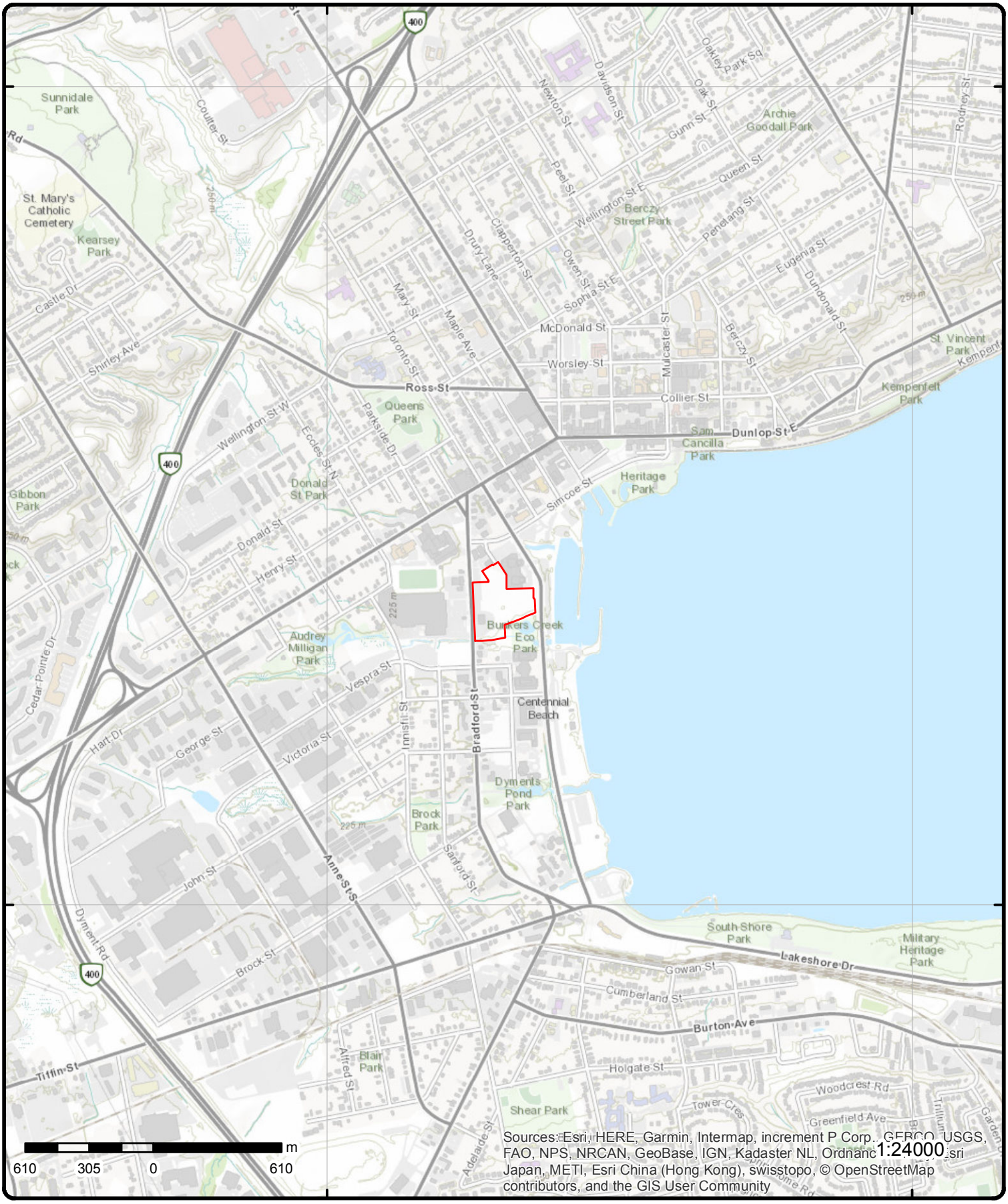

Topographic Map

Address: 51-75 Bradford Street, Barrie, ON, L4N 3A7

Source: ESRI World Topographic Map

Order No: 20191027001

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	220.9 / 0.15	75 Bradford St Barrie ON L4N3A7	EHS

Order No:	20130711024	**Nearest Intersection:**	
Status:	C	**Municipality:**	City of Barrie
Report Type:	RSC Report (Urban)	**Client Prov/State:**	ON
Report Date:	22-JUL-13	**Search Radius (km):**	.3
Date Received:	11-JUL-13	**X:**	-79.692633
Previous Site Name:	The Barrie Tanning Company, Cameron & Ellis Coal, Huronia Tire & French Motors	**Y:**	44.384164
Lot/Building Size:	3.5 ha / 8.6 ac		
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	-/0.0	220.7 / 0.00	75 Bradford St Barrie ON L4N3A7	EHS

Order No:	20170315162	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	22-MAR-17	**Search Radius (km):**	.25
Date Received:	15-MAR-17	**X:**	-79.692646
Previous Site Name:		**Y:**	44.384202
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	-/0.0	221.8 / 1.10	Bradford Street Barrie ON	EHS

Order No:	20080523015	**Nearest Intersection:**	
Status:	C	**Municipality:**	SImcoe County
Report Type:	Complete Report	**Client Prov/State:**	ON
Report Date:	6/2/2008	**Search Radius (km):**	0.25
Date Received:	5/23/2008	**X:**	-79.693176
Previous Site Name:		**Y:**	44.384189
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	-/0.0	222.0 / 1.28	lot 24 con 5 Barrie ON	WWIS

Well ID:	7179204	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	4/13/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z133865	**Owner:**	
Tag:	A118138	**Street Name:**	51 BRADFORD STREET 75
Construction		**County:**	SIMCOE

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

Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot: 024
Concession: 05
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003709852
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 1/3/2012
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 222.738388
Elevrc:
Zone: 17
East83: 604099
North83: 4915351
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004243855
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 22.5
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004243864
Layer: 3
Plug From: 1
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004243862
Layer: 1
Plug From: 22.5

Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004243863
Layer: 2
Plug From: 5
Plug To: 1
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1004243854
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004243858
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 17.5
Depth To: 0
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004243859
Layer: 1
Slot: 010
Screen Top Depth: 22.5
Screen End Depth: 17.5
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 1004243857
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 3
Water Found Depth UOM: ft

Hole Diameter

Hole ID:	1004243856
Diameter:	6.5
Depth From:	0
Depth To:	22.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

5 ***1 of 1*** ***-/0.0*** ***220.8 / 0.12*** ***ON*** ***WWIS***

Well ID:	5712847	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Industrial	***Date Received:***	2/24/1976
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4816
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10390607	***Elevation:***	221.829254
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	604164.4
Code OB Desc:	Overburden	***North83:***	4915423
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	8/28/1975	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932308922
Layer:	6
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 146
Formation End Depth: 168
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932308923
Layer: 7
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 10
Other Materials: COARSE SAND
Mat3:
Other Materials:
Formation Top Depth: 168
Formation End Depth: 185
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932308920
Layer: 4
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 132
Formation End Depth: 141
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932308921
Layer: 5
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 141
Formation End Depth: 146
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932308917
Layer: 1

Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932308918
Layer: 2
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 54
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932308919
Layer: 3
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 54
Formation End Depth: 132
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10939177
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930640582
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	170
Casing Diameter:	8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933368478
Layer:	1
Slot:	030
Screen Top Depth:	164
Screen End Depth:	179
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	8

Results of Well Yield Testing

Pump Test ID:	995712847
Pump Set At:	
Static Level:	4
Final Level After Pumping:	68
Recommended Pump Depth:	160
Pumping Rate:	360
Flowing Rate:	
Recommended Pump Rate:	400
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	7
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933872687
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	185
Water Found Depth UOM:	ft

6	*1 of 1*	*-/0.0*	*220.9 / 0.15*	***lot 24 con 5 BARRIE ON***	***WWIS***

Well ID:	7132876	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	10/29/2009
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z82596	**Owner:**	

Tag:	A080230	**Street Name:**	51 -75 BRADFORD ST.
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	VESPRA TOWNSHIP
Elevation Reliability:		**Site Info:**	PIN 587950555
Depth to Bedrock:		**Lot:**	024
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
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:	1002776450	**Elevation:**	222.421783
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604110
Code OB Desc:		**North83:**	4915323
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/24/2009	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002980292
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	04
Most Common Material:	PEAT
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	20
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1002980291
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0

Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1002980293
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 66
Other Materials: DENSE
Formation Top Depth: 28
Formation End Depth: 30
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1002980295
Layer: 1
Plug From: 0
Plug To: 26
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1002980296
Layer: 2
Plug From: 26
Plug To: 30
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1002980290
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002980298
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 28

Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1002980299
Layer:	1
Slot:	
Screen Top Depth:	28
Screen End Depth:	30
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	1002980297
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	7.5
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1002980294
Diameter:	
Depth From:	0
Depth To:	4.25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

7 ***1 of 1*** ***-/0.0*** ***222.8 / 2.12*** ***ON*** ***WWIS***

Well ID:	7315718	***Data Entry Status:***	Yes
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	8/3/2018
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	7391
Casing Material:		***Form Version:***	8
Audit No:	C29150	***Owner:***	
Tag:	A231312	***Street Name:***	
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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

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

Bore Hole ID:	1007234239	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604050
Code OB Desc:		**North83:**	4915448
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/18/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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8 *1 of 2* *SW/12.9* *220.9 / 0.15* *ON* ***WWIS***

Well ID:	7189351	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/12/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7282
Casing Material:		**Form Version:**	4
Audit No:	Z62882	**Owner:**	
Tag:	A120771	**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1004196318	**Elevation:**	222.029037
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604045
Code OB Desc:		**North83:**	4915246
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/6/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

---

8 *2 of 2* *SW/12.9* *220.9 / 0.15* *ON* ***WWIS***

Well ID:	7197570	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	

Primary Water Use:		**Date Received:**	2/19/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7282
Casing Material:		**Form Version:**	8
Audit No:	C20705	**Owner:**	
Tag:	A143848	**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1004255974	**Elevation:**	222.02536
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604045
Code OB Desc:		**North83:**	4915247
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/17/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

---

9 | ***1 of 5*** | ***NE/14.2*** | ***220.9 / 0.15*** | ***2 Toronto Street
Barrie ON L4N 9R2*** | ***CA***

Certificate #:	2515-4HERMP
Application Year:	00
Issue Date:	3/16/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Grand Shores Realty Development Corporation
Client Address:	625 Evans Avenue
Client City:	Etobicoke
Client Postal Code:	M8W 2W5
Project Description:	Watermain to be constructed in the City of Barrie.
Contaminants:	
Emission Control:	

---

9 | ***2 of 5*** | ***NE/14.2*** | ***220.9 / 0.15*** | ***The Corporation of the City of Barrie
#2 Toronto Street
Barrie ON L4N 9R2*** | ***CA***

Certificate #:	5371-6T6MGD
Application Year:	2006
Issue Date:	9/1/2006
Approval Type:	Municipal and Private Sewage Works

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

Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

9 | ***3 of 5*** | ***NE/14.2*** | ***220.9 / 0.15*** | ***Grand Shores Realty Development Corporation*** ***2 Toronto Street*** ***Barrie ON M8W 2W5*** | ***ECA***

Approval No: 2515-4HERMP
Approval Date: 2000-03-16
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Lakes Simcoe and Couchiching/Black River
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works
Address: 2 Toronto Street
Full Address:
Full PDF Link:

MOE District: Barrie
City:
Longitude: -79.690636
Latitude: 44.384712
Geometry X:
Geometry Y:

---

9 | ***4 of 5*** | ***NE/14.2*** | ***220.9 / 0.15*** | ***The Corporation of the City of Barrie*** ***#2 Toronto Street*** ***Barrie ON L4M 4T5*** | ***ECA***

Approval No: 5371-6T6MGD
Approval Date: 2006-09-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Lakes Simcoe and Couchiching/Black River
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: #2 Toronto Street
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7432-6T4QR7-14.pdf

MOE District: Barrie
City:
Longitude: -79.69034599999999
Latitude: 44.38167
Geometry X:
Geometry Y:

---

9 | ***5 of 5*** | ***NE/14.2*** | ***220.9 / 0.15*** | ***City of Barrie*** ***closest to 2 Toronto St, Barrie*** ***Barrie ON*** | ***SPL***

Ref No: 0127-AZJSBJ
Site No: NA
Incident Dt: 2018/06/08
Year:
Incident Cause:
Incident Event: Dumping
Contaminant Code: 32
Contaminant Name: DUST (N.O.S.)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Environment Impact:
Nature of Impact:
Receiving Medium:

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type: Other (Describe)
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: closest to 2 Toronto St, Barrie
Site District Office: Barrie
Site Postal Code:
Site Region: Central
Site Municipality: Barrie
Site Lot:
Site Conc:

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

Receiving Env:	Land; Surface Water	**Northing:**	4915422.31
MOE Response:	No	**Easting:**	604284.33
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2018/06/08	**Site Map Datum:**	
Dt Document Closed:	2018/06/14	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Deliberate Act	**Source Type:**	Unknown / N/A

Site Name: CB on Toronto St <UNOFFICIAL>
Site County/District: County of Simcoe
Site Geo Ref Meth:
Incident Summary: City of Barrie: 45 L of unknown white substance to CB and Kidds Ck
Contaminant Qty: 0 gal-Imp

---

10 *1 of 2* *WSW/23.3* *221.8 / 1.12* **FELLOWSHIP PUBLICATIONS INC** **SCT**

Barrie ON L4M

Established: 1966
Plant Size (ft²): 0
Employment: 9

--Details--
Description: Periodical Publishers
SIC/NAICS Code: 511120

---

10 *2 of 2* *WSW/23.3* *221.8 / 1.12* **Fellowship Publications Inc - Fellowship Magazine** **SCT**

Barrie ON

Established: 1966
Plant Size (ft²):
Employment: 9

---

11 *1 of 37* *SW/25.4* *221.2 / 0.46* **80 Bradford St**
Barrie ON L4N 6S7 **EHS**

Order No:	20130221018	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	04-MAR-13	**Search Radius (km):**	.35
Date Received:	21-FEB-13	**X:**	-79.695822
Previous Site Name:		**Y:**	44.383949
Lot/Building Size:			

Additional Info Ordered: Aerial Photos

---

11 *2 of 37* *SW/25.4* *221.2 / 0.46* **TRIPLE B WAREHOUSING LTD**
80 BRADFORD ST
BARRIE ON **EXP**

Instance No: 11476907
Instance ID: 86469
Instance Type: FS Propane Tank
Description: FS Propane Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	3 of 37	SW/25.4	221.2 / 0.46	TRIPLE B WAREHOUSING LTD 80 BRADFORD ST BARRIE ON	EXP

Instance No: 10168367
Instance ID: 13165
Instance Type: FS Facility
Description: FS Propane Refill Cntr - Cylr Fill
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	4 of 37	SW/25.4	221.2 / 0.46	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

Generator No: ON7081025
Status: Registered
Approval Years: As of Jul 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	5 of 37	SW/25.4	221.2 / 0.46	Bayshore Healthcare Ltd. 80 Bradford Street, Suite 525 Barrie ON L4N 6S7	GEN

Generator No: ON8761771
Status: Registered
Approval Years: As of Jul 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	6 of 37	SW/25.4	221.2 / 0.46	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

Generator No: ON7081025
Status:
Approval Years: 2014

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL

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

Contam. Facility: No
MHSW Facility: No
SIC Code: 621390
SIC Description: OFFICES OF ALL OTHER HEALTH PRACTITIONERS
Co Admin: Ann Snider
Phone No Admin: 705-721-7520 Ext.7228

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 | ***7 of 37*** | ***SW/25.4*** | ***221.2 / 0.46*** | ***SIMCOE MUSKOKA DISTRICT HEALTH UNIT***
80 Bradford St. Suite #403
Barrie ON L4N 6S7 | ***GEN***

Generator No: ON7081025
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

11 | ***8 of 37*** | ***SW/25.4*** | ***221.2 / 0.46*** | ***SIMCOE MUSKOKA DISTRICT HEALTH UNIT***
80 Bradford St. Suite #403
Barrie ON | ***GEN***

Generator No: ON7081025
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 621390
SIC Description: OFFICES OF ALL OTHER HEALTH PRACTITIONERS
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 | ***9 of 37*** | ***SW/25.4*** | ***221.2 / 0.46*** | ***Bayshore Home Health***
80 Bradford Street, Suite 525
Barrie ON L4N 6S7 | ***GEN***

Generator No: ON8761771
Status:
Approval Years: 2009
Contam. Facility:
PO Box No:
Country:
Choice of Contact:
Co Admin:

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

MHSW Facility: ***Phone No Admin:***
SIC Code: 621610
SIC Description: Home Health Care Services

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 ***10 of 37*** ***SW/25.4*** ***221.2 / 0.46*** ***The Aerarium Group*** ***GEN***
80 Bradford St. Suite #300
Barrie ON L4N 6S7

Generator No: ON3278424 ***PO Box No:***
Status: Registered ***Country:*** Canada
Approval Years: As of Dec 2017 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

---

11 ***11 of 37*** ***SW/25.4*** ***221.2 / 0.46*** ***Bayshore Home Health*** ***GEN***
80 Bradford Street, Suite 525
Barrie ON L4N 6S7

Generator No: ON8761771 ***PO Box No:***
Status: ***Country:***
Approval Years: 2011 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 621610
SIC Description: Home Health Care Services

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 ***12 of 37*** ***SW/25.4*** ***221.2 / 0.46*** ***Bayshore Home Health*** ***GEN***
80 Bradford Street, Suite 525
Barrie ON L4N 6S7

Generator No: ON8761771 ***PO Box No:***
Status: ***Country:***
Approval Years: 06,07,08 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 621610
SIC Description: Home Health Care Services

Detail(s)

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

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 **13 of 37** **SW/25.4** **221.2 / 0.46**

SIMCOE MUSKOKA DISTRICT HEALTH UNIT
80 Bradford St. Suite #403
Barrie ON L4N 6S7

GEN

Generator No: ON7081025
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 621390
SIC Description: Offices of All Other Health Practitioners

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

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 **14 of 37** **SW/25.4** **221.2 / 0.46**

Bayshore Healthcare Ltd.
80 Bradford Street, Suite 525
Barrie ON L4N 6S7

GEN

Generator No: ON8761771
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621610
SIC Description: 621610

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Taro Shako
Phone No Admin: 705-722-8993 Ext.31682

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 **15 of 37** **SW/25.4** **221.2 / 0.46**

SIMCOE MUSKOKA DISTRICT HEALTH UNIT
80 Bradford St. Suite #403
Barrie ON L4N 6S7

GEN

Generator No: ON7081025
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 621390
SIC Description: Offices of All Other Health Practitioners

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	16 of 37	SW/25.4	221.2 / 0.46	SIMCOE MUSKOKA DISTRICT HEALTH UNIT 80 Bradford St. Suite #403 Barrie ON L4N 6S7	GEN

Generator No: ON7081025
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621390
SIC Description: OFFICES OF ALL OTHER HEALTH PRACTITIONERS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Ann Snider
Phone No Admin: 705-721-7520 Ext.7228

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	17 of 37	SW/25.4	221.2 / 0.46	Bayshore Healthcare Ltd. 80 Bradford Street, Suite 525 Barrie ON L4N 6S7	GEN

Generator No: ON8761771
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621610
SIC Description: 621610

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Taro Shako
Phone No Admin: 705-722-8993 Ext.31682

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	18 of 37	SW/25.4	221.2 / 0.46	Bayshore Healthcare Ltd. 80 Bradford Street, Suite 525 Barrie ON	GEN

Generator No: ON8761771
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 621610
SIC Description:

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	19 of 37	SW/25.4	221.2 / 0.46	Peto MacCallum Ltd. 80 Bradford Street, Suite 300 Barrie ON	GEN

Generator No: ON3770444
Status:
Approval Years: 2013

PO Box No:
Country:
Choice of Contact:

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

Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 551113
SIC Description: HOLDING COMPANIES

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

---

11 ***20 of 37*** ***SW/25.4*** ***221.2 / 0.46*** ***Bayshore Healthcare Ltd.*** ***GEN***
80 Bradford Street, Suite 525
Barrie ON L4N 6S7

Generator No: ON8761771 ***PO Box No:***
Status: Registered ***Country:*** Canada
Approval Years: As of Dec 2018 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

11 ***21 of 37*** ***SW/25.4*** ***221.2 / 0.46*** ***SIMCOE MUSKOKA DISTRICT HEALTH UNIT*** ***GEN***
80 Bradford St. Suite #403
Barrie ON L4N 6S7

Generator No: ON7081025 ***PO Box No:***
Status: ***Country:***
Approval Years: 2010 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 621390
SIC Description: Offices of All Other Health Practitioners

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

---

11 ***22 of 37*** ***SW/25.4*** ***221.2 / 0.46*** ***Bayshore Home Health*** ***GEN***
80 Bradford Street, Suite 525
Barrie ON L4N 6S7

Generator No: ON8761771 ***PO Box No:***
Status: ***Country:***
Approval Years: 2012 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 621610
SIC Description: Home Health Care Services

Detail(s)

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

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 **23 of 37** **SW/25.4** **221.2 / 0.46** **Bayshore Home Health** **GEN**
80 Bradford Street, Suite 525
Barrie ON L4N 6S7

Generator No: ON8761771
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 621610
SIC Description: Home Health Care Services

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 **24 of 37** **SW/25.4** **221.2 / 0.46** **SIMCOE MUSKOKA DISTRICT HEALTH UNIT** **GEN**
80 Bradford St. Suite #403
Barrie ON L4N 6S7

Generator No: ON7081025
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621390
SIC Description: OFFICES OF ALL OTHER HEALTH PRACTITIONERS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Ann Snider
Phone No Admin: 705-721-7520 Ext.7228

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

11 **25 of 37** **SW/25.4** **221.2 / 0.46** **The Aerarium Group** **GEN**
80 Bradford St. Suite #300
Barrie ON L4N 6S7

Generator No: ON3278424
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 342219
SIC Description: 342219

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	26 of 37	SW/25.4	221.2 / 0.46	Bayshore Healthcare Ltd. 80 Bradford Street, Suite 525 Barrie ON L4N 6S7	GEN

Generator No: ON8761771
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621610
SIC Description: 621610

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Taro Shako
Phone No Admin: 705-722-8993 Ext.31682

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	27 of 37	SW/25.4	221.2 / 0.46	BARRIE BLUE PRINTING 80 BRADFORD ST BARRIE ON L4N 6S7	SCT

Established: 1987
Plant Size (ft²): 1000
Employment: 1

--Details--
Description: COMMERCIAL PRINTING, LITHOGRAPHIC
SIC/NAICS Code: 2752

Description: COMMERCIAL PRINTING, GRAVURE
SIC/NAICS Code: 2754

Description: PHOTOCOPYING & DUPLICATING SERVICES
SIC/NAICS Code: 7334

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	28 of 37	SW/25.4	221.2 / 0.46	Fellowship Publications Inc - Fellowship Magazine 80 Bradford St Unit 311 Barrie ON L4N 6S7	SCT

Established: 1966
Plant Size (ft²):
Employment: 1

--Details--
Description: Periodical Publishers
SIC/NAICS Code: 511120

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	29 of 37	SW/25.4	221.2 / 0.46	Fellowship Magazine 80 Bradford St Suite 311 Barrie ON L4N 6S7	SCT

Established: 1966
Plant Size (ft²):
Employment: 1

--Details--

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

Description: Periodical Publishers
SIC/NAICS Code: 511120

---

11 | **30 of 37** | **SW/25.4** | **221.2 / 0.46** | **Aerarium Development Corporation Limited** | **SPL**
80 Bradford St
Barrie ON

Ref No:	6200-B3XQ4N	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2018/08/24	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:	Overflow/Surcharge	**Agency Involved:**	
Contaminant Code:	44	**Nearest Watercourse:**	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED	**Site Address:**	80 Bradford St
Contaminant Limit 1:	0	**Site District Office:**	Barrie
Contam Limit Freq 1:	none	**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land; Surface Water	**Northing:**	4915312
MOE Response:	No	**Easting:**	604074
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2018/08/24	**Site Map Datum:**	
Dt Document Closed:	2018/09/06	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Blockage	**Source Type:**	Sewer (Private or Municipal)

Site Name: commercial business<UNOFFICIAL>
Site County/District: County of Simcoe
Site Geo Ref Meth:
Incident Summary: Cof Barrie: sani swr blockage; no disinf; cntnd & clng
Contaminant Qty: 0 other - see incident description

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11 | **31 of 37** | **SW/25.4** | **221.2 / 0.46** | **The Corporation of the City of Barrie** | **SPL**
80 Bradford St.
Barrie ON

Ref No:	5365-92XR3U	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	13-DEC-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Unknown / N/A	**Sector Type:**	Sewer (Private or Municipal)
Incident Event:		**Agency Involved:**	
Contaminant Code:	44	**Nearest Watercourse:**	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED	**Site Address:**	80 Bradford St.
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Possible	**Site Municipality:**	Barrie
Nature of Impact:	Soil Contamination; Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	13-DEC-12	**Site Map Datum:**	
Dt Document Closed:	03-JAN-13	**SAC Action Class:**	Land Spills
Incident Reason:	Unknown / N/A	**Source Type:**	

Site Name: Overland Sewage Spill<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: City of Barrie: Overland Sewage Spill to CB
Contaminant Qty: 0 other - see incident description

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

11 | **32 of 37** | **SW/25.4** | **221.2 / 0.46** | **COMMERCIAL BUILDING**
80 BRADFORD ST., BARRIE BY THE BAY
COMMERCIAL CENTRE.
BARRIE CITY ON L4N 6S7 | **SPL**

Ref No:	149823	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	12/2/1997	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CONTAINER LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	70101
Nature of Impact:	Water course or lake	**Site Lot:**	
Receiving Medium:	LAND / WATER	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	WORKS
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	12/2/1997	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	OTHER	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	BARRIE BY THE BAY-PLUGGEDSANITARY LINE,OVERFLOW TOOUTDOOR PARKING & C.B.		
Contaminant Qty:			

11 | **33 of 37** | **SW/25.4** | **221.2 / 0.46** | **UNKNOWN**
80 BRADFORD ST. LANEWAY AT SIDE OF
BLDG. SEWER
BARRIE CITY ON L4N 6S7 | **SPL**

Ref No:	9819	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	9/28/1988	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	UNKNOWN	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	70101
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	9/28/1988	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	REPORT OF UNIDENTIFIED MATERIAL SPILLED TO LANEWAY.		
Contaminant Qty:			

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

11	34 of 37	SW/25.4	221.2 / 0.46	80 Bradford St Barrie ON L4N 6S7	SPL

Ref No:	4855-5Q2F6N	**Discharger Report:**	
Site No:		**Material Group:**	Waste
Incident Dt:	8/1/2003	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Other Discharges	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:	44	**Nearest Watercourse:**	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	Southwestern
Environment Impact:	Possible	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/2/2003	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Spills
Incident Reason:	Other - Reason not otherwise defined	**Source Type:**	
Site Name:	LOCKER ROOM RESTAURANT<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie Sewage spill to parking lot		
Contaminant Qty:			

11	35 of 37	SW/25.4	221.2 / 0.46	RESTAURANT 80 BRADFORD ST. (N.O.S.) BARRIE CITY ON L4N 6S7	SPL

Ref No:	87641	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	6/26/1993	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	PIPE/HOSE LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	CONFIRMED	**Site Municipality:**	70101
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/26/1993	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	OVERSTRESS/OVERPRESSURE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	COMMERCIAL ENTERPRISE-RAWSEWAGE OVERFLOW TO LAND, CONTAINED, CORDONED OFF.		
Contaminant Qty:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	36 of 37	SW/25.4	221.2 / 0.46	80 Bradford St Barrie ON L4N 6S7	SPL

Ref No:	1852-8LTDQJ	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	9/18/2011	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Discharge Or Bypass To A Watercourse	**Sector Type:**	Motor Vehicle
Incident Event:		**Agency Involved:**	
Contaminant Code:	45	**Nearest Watercourse:**	
Contaminant Name:	FIRE WATER (CONTAINING PESTICIDES)	**Site Address:**	80 Bradford St
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Confirmed	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	9/18/2011	**Site Map Datum:**	
Dt Document Closed:	9/27/2011	**SAC Action Class:**	Primary Assessment of Incident
Incident Reason:	Fire/Explosion - Resulting from fires/explosions (Not occurrences which cause a fire or explosion)	**Source Type:**	
Site Name:	CB outside of<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Vehicle fire results in impacts to CB; Bunkers Crk		
Contaminant Qty:	0 other - see incident description		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	37 of 37	SW/25.4	221.2 / 0.46	80 Bradford St<UNOFFICIAL> Barrie ON L4N 6S7	SPL

Ref No:	7281-7D633X	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Unknown	**Sector Type:**	Sewer
Incident Event:		**Agency Involved:**	
Contaminant Code:	44	**Nearest Watercourse:**	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Soil Contamination; Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	3/27/2008	**Site Map Datum:**	
Dt Document Closed:	4/2/2008	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Spill	**Source Type:**	
Site Name:	80 Bradford St<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	80 Bradford sewage spill to CB, CLN		
Contaminant Qty:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 3	SSW/26.0	220.9 / 0.15	All Wash Incorporation 93 Bradford St	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Barrie ON L4N 3A7	

Certificate #: 0219-7YBTB4
Application Year: 2009
Issue Date: 12/4/2009
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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12 | 2 of 3 | SSW/26.0 | 220.9 / 0.15 | All Wash Incorporation
93 Bradford St
Barrie ON L4N 7C2 | ECA

Approval No: 0219-7YBTB4
Approval Date: 2009-12-04
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Lakes Simcoe and Couchiching/Black River
Approval Type: ECA-WASTE MANAGEMENT SYSTEMS
Project Type: WASTE MANAGEMENT SYSTEMS
Address: 93 Bradford St
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7460-7XEUFA-14.pdf

MOE District: Barrie
City:
Longitude: -79.6937
Latitude: 44.382819999999995
Geometry X:
Geometry Y:

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12 | 3 of 3 | SSW/26.0 | 220.9 / 0.15 | BARRIE PUBLIC UTILITIES COMMIS
93 BRADFORD ST. TRANSFORMER
BARRIE CITY ON L4N 3A7 | SPL

Ref No: 24442
Site No:
Incident Dt: 6/23/1989
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/23/1989
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: BACKENTRY - SMALL AMT. OFTRANSFORMER OIL, 93 PPM PCB TO GROUND.
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 70101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	1 of 10	WNW/27.1	222.8 / 2.10	SIMCOE COUNTY DISTRICT SCHOOL BOARD 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

Generator No: ON0358191
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Ward Coish
Phone No Admin: (705) 734-6363 Ext.11314

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	2 of 10	WNW/27.1	222.8 / 2.10	SIMCOE COUNTY DISTRICT SCHOOL BOARD 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

Generator No: ON0358191
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Ward Coish
Phone No Admin: (705) 734-6363 Ext.11314

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
13	3 of 10	WNW/27.1	222.8 / 2.10	SIMCOE COUNTY DISTRICT SCHOOL BOARD 50 BRADFORD STREET BARRIE ON L4N 3A8	GEN

Generator No: ON0358191
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Ward Coish
Phone No Admin: (705) 734-6363 Ext.11314

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

SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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13 **4 of 10** **WNW/27.1** **222.8 / 2.10** **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
50 BRADFORD STREET
BARRIE ON L4N 3A8 **GEN**

Generator No: ON0358191
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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13 **5 of 10** **WNW/27.1** **222.8 / 2.10** **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
50 BRADFORD STREET
BARRIE ON L4N 3A8 **GEN**

Generator No: ON0358191
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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13 | **6 of 10** | **WNW/27.1** | **222.8 / 2.10** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
50 BRADFORD STREET
BARRIE ON L4N 3A8 | **GEN**

Generator No: ON0358191
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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13 | **7 of 10** | **WNW/27.1** | **222.8 / 2.10** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
50 BRADFORD STREET
BARRIE ON | **GEN**

Generator No: ON0358191
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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13 | **8 of 10** | **WNW/27.1** | **222.8 / 2.10** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
PRINCE OF WALES PUBLIC SCHOOL 50
BRADFORD STREET | **GEN**

BARRIE ON L4N 3A8

Generator No: ON0358191
Status:
Approval Years: 99,00,01,02,03,04,05
Contam. Facility:
MHSW Facility:
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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13 | **9 of 10** | **WNW/27.1** | **222.8 / 2.10** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
50 BRADFORD STREET
BARRIE ON L4N 3A8 | **GEN**

Generator No: ON0358191
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

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13 | **10 of 10** | **WNW/27.1** | **222.8 / 2.10** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
50 BRADFORD STREET
BARRIE ON L4N 3A8 | **GEN**

Generator No: ON0358191
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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14 ***1 of 1*** ***NE/29.1*** ***220.7 / -0.02*** ***ON*** ***WWIS***

Well ID:	7199953	***Data Entry Status:***	Yes
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	4/8/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	8
Audit No:	C16159	***Owner:***	
Tag:	A141959	***Street Name:***	
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1004272353	***Elevation:***	221.205139
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	604195
Code OB Desc:		***North83:***	4915459
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	3/17/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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15 ***1 of 1*** ***WNW/36.2*** ***223.9 / 3.18*** ***BARRIE ON*** ***WWIS***

Well ID:	7299293	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	11/17/2017
Sec. Water Use:	Monitoring	***Selected Flag:***	Yes

Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z271511	**Owner:**	
Tag:	A229661	**Street Name:**	50 BRADFORD STREET
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006803303	**Elevation:**	223.981613
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604011
Code OB Desc:		**North83:**	4915411
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/1/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007033033
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007033034
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL

Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 15
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007033043
Layer: 1
Plug From: 15
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007033044
Layer: 2
Plug From: 5
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007033045
Layer: 3
Plug From: 3
Plug To: 0
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1007033031
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007033038
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 3
Depth To: 0
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	1007033037
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	5
Depth To:	0
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1007033039
Layer:	1
Slot:	
Screen Top Depth:	15
Screen End Depth:	5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Results of Well Yield Testing

Pump Test ID:	1007033032
Pump Set At:	
Static Level:	10
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1007033036
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	10
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007033035
Diameter:	8.5
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 2	ENE/36.9	220.0 / -0.69	Outfall at Lakeshore Drive & Toronto Street Barrie ON	SPL

Ref No:	8374-8W2MJG	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	09-JUL-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Unknown	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	FUEL (N.O.S.)	**Site Address:**	Outfall at Lakeshore Drive & Toronto Street
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Confirmed	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Sewage - Municipal/Private and Commercial	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Planned Field Response	**Easting:**	
Dt MOE Arvl on Scn:	06-JUL-12	**Site Geo Ref Accu:**	
MOE Reported Dt:	09-JUL-12	**Site Map Datum:**	
Dt Document Closed:	15-AUG-12	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Spill	**Source Type:**	
Site Name:	Kidds Creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Kidds Creek, hydrocarbon sheen, ongoing		
Contaminant Qty:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	2 of 2	ENE/36.9	220.0 / -0.69	The Corporation of the City of Barrie Closest int at Lakeshore Drive and Toronto Street Barrie ON	SPL

Ref No:	8174-8UUQUP	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	01-JUN-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Unknown	**Sector Type:**	Unknown
Incident Event:		**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	**Site Address:**	Closest int at Lakeshore Drive and Toronto Street
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Confirmed	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Sewage - Municipal/Private and Commercial	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Planned Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	01-JUN-12	**Site Map Datum:**	
Dt Document Closed:	18-JUL-12	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Spill	**Source Type:**	
Site Name:	Kidds Creek Outlet at Kempenfelt Bay<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	City of Barrie: Oil Sheen on Kidds Creek		
Contaminant Qty:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	ENE/44.3	220.0 / -0.69	1 Toronto Street Barrie ON	SPL

Ref No:	2406-7Q7QQP	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Discharge Or Bypass To A Watercourse	**Sector Type:**	Unknown
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:	HYDROCARBON LIGHT	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	3/16/2009	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown - Reason not determined	**Source Type:**	
Site Name:	Kidds Creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Hydrocarbon Spill to Kidds Creek		
Contaminant Qty:			

18	1 of 1	SSW/49.6	221.4 / 0.69	Barrie ON	WWIS

Well ID:	7280994	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	2/13/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7282
Casing Material:		**Form Version:**	7
Audit No:	Z210735	**Owner:**	
Tag:	A198447	**Street Name:**	100 BRADFORD ST
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006351721	**Elevation:**	222.546401
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604041
Code OB Desc:		**North83:**	4915203
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/9/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m

Remarks: ***Location Method:*** wwr
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1006575680
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 9
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006575681
Layer: 2
Color: 8
General Color: BLACK
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3: 91
Other Materials: WATER-BEARING
Formation Top Depth: 9
Formation End Depth: 14
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006575688
Layer: 1
Plug From: 0
Plug To: 3
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1006575679

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006575684
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 4
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006575685
Layer: 1
Slot: 10
Screen Top Depth: 4
Screen End Depth: 14
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.3

Hole Diameter

Hole ID: 1006575682
Diameter: 8
Depth From: 0
Depth To: 14
Hole Depth UOM: ft
Hole Diameter UOM: inch

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19 ***1 of 1*** ***NNW/49.8*** ***222.8 / 2.11*** ***BARRIE ON*** ***WWIS***

Well ID: 5739834
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z28578
Tag: A025575
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:
Date Received: 6/28/2005
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 3
Owner:
Street Name:
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	11325330	**Elevation:**	223.539703
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	_	**East83:**	604092
Code OB Desc:	No formation data	**North83:**	4915556
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/12/2005	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	933271546
Layer:	2
Plug From:	4
Plug To:	15
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933271547
Layer:	1
Plug From:	0
Plug To:	4
Plug Depth UOM:	m

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	11340185
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930869347
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933413285
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	2

Hole Diameter

Hole ID:	11545788
Diameter:	8
Depth From:	0
Depth To:	15
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

20 ***1 of 1*** ***SSW/60.5*** ***220.8 / 0.10*** ***97 Bradford St Barrie ON L4N3A7*** ***EHS***

Order No:	20170713001	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Express Report	***Client Prov/State:***	ON
Report Date:	13-JUL-17	***Search Radius (km):***	.25
Date Received:	13-JUL-17	***X:***	-79.6936
Previous Site Name:		***Y:***	44.382518
Lot/Building Size:			
Additional Info Ordered:			

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21 ***1 of 1*** ***SSE/60.6*** ***219.9 / -0.85*** ***Victoria Square Developments Inc. No municipal address BARRIE ON*** ***RSC***

RSC ID:	45080	***Cert Date:***	3-Dec-07
RA No:		***Cert Prop Use No:***	No CPU
RSC Type:		***Intended Prop Use:***	Residential
Curr Property Use:	Commercial	***Qual Person Name:***	Mr. Joel Ross
Ministry District:	BARRIE	***Stratified (Y/N):***	
Filing Date:	9-Jun-08	***Audit (Y/N):***	
Date Ack:		***Entire Leg Prop. (Y/N):***	Yes
Date Returned:		***Accuracy Estimate:***	11 to 20 meters
Restoration Type:		***Telephone:***	416-4822899
Soil Type:		***Fax:***	416-4822819
Criteria:		***Email:***	twinross@rogers.blackberry.net
CPU Issued Sect 1686:	No		
Asmt Roll No:			
Prop ID No (PIN):	58795-0566		
Property Municipal Address:	No municipal address		
Mailing Address:	Suite 301, 220 DUNCAN MILLS RD, TORONTO, ON, M3B 3J5		
Latitude & Latitude:	44.38263210N 79.69223410W (converted from UTM)		
UTM Coordinates:	NAD83 17-604173-4915204		
Consultant:			
Filing Owner:			
Legal Desc:	PART ELLEN ST PL 22 (CLOSED BY BY-LAW SC450705); BARRIE BEING PART 5 ON PLAN 51R-35813		
Measurement Method:	Interpolation from a map		
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use		

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

22 | 1 of 1 | WNW/61.3 | 223.9 / 3.15 | BARRIE ON | WWIS

Well ID:	7299294	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	11/17/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z260026	**Owner:**	
Tag:	A229662	**Street Name:**	50 BRADFORD STREET
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006803306	**Elevation:**	223.884094
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603985
Code OB Desc:		**North83:**	4915425
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/1/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007033048
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	1007033049
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007033060
Layer:	3
Plug From:	3
Plug To:	0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007033059
Layer:	2
Plug From:	4
Plug To:	0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007033058
Layer:	1
Plug From:	15
Plug To:	4
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1007033046
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007033052

Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 5
Depth To: 0
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1007033053
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 3
Depth To: 0
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007033055
Layer: 2
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Construction Record - Screen

Screen ID: 1007033054
Layer: 1
Slot:
Screen Top Depth: 15
Screen End Depth: 5
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 1007033047
Pump Set At:
Static Level: 10
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:

Flowing:

Water Details

Water ID: 1007033051
Layer: 1
Kind Code:
Kind:
Water Found Depth: 10
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007033050
Diameter: 8.5
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

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23 ***1 of 1*** ***NW/63.2*** ***224.6 / 3.85*** ***BARRIE ON*** ***WWIS***

Well ID: 7299291
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z271512
Tag: A229659
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:
Date Received: 11/17/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7190
Form Version: 7
Owner:
Street Name: 40 BRADFORD STREET
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006803294
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 9/1/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 224.300689
Elevrc:
Zone: 17
East83: 604003
North83: 4915496
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID:	1007032298
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007032299
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032308
Layer:	1
Plug From:	15
Plug To:	5
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032310
Layer:	3
Plug From:	3
Plug To:	0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032309
Layer:	2
Plug From:	5
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 1007032296
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007032303
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 3
Depth To: 0
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1007032302
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 5
Depth To: 0
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007032304
Layer: 1
Slot:
Screen Top Depth: 15
Screen End Depth: 5
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 1007032297
Pump Set At:
Static Level: 10
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1007032301
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	10
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007032300
Diameter:	8.5
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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24 ***1 of 1*** ***WNW/65.9*** ***224.6 / 3.85*** ***Barrie ON*** ***WWIS***

Well ID:	7276986	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	12/13/2016
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z238666	**Owner:**	
Tag:	A177528	**Street Name:**	50 BRADFORD ST
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006305356	**Elevation:**	224.322998
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603981
Code OB Desc:		**North83:**	4915465
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/28/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1006485804
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 10
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006485803
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 1
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006485801
Layer: 1
Color: 8
General Color: BLACK
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 0.167
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006485802
Layer: 2
Color: 6

General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0.167
Formation End Depth:	1
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006485816
Layer:	3
Plug From:	4
Plug To:	15
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006485814
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006485815
Layer:	2
Plug From:	1
Plug To:	4
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1006485800
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006485808
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	0
Depth To:	1

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

Construction Record - Casing

Casing ID:	1006485809
Layer:	2
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	-2
Depth To:	5
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006485810
Layer:	1
Slot:	.01
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.125

Water Details

Water ID:	1006485807
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	7.5
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006485805
Diameter:	10
Depth From:	0
Depth To:	1
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1006485806
Diameter:	6
Depth From:	1
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

25	***1 of 1***	***NNW/66.7***	***223.9 / 3.23***	***The Corporation of the City of Barrie Bradford St. - south of Simcoe St. Barrie ON***	***SPL***

Ref No:	1703-B6AJVA	***Discharger Report:***	
Site No:	NA	***Material Group:***	

Incident Dt:	2018/11/07	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Municipal Government
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	24	**Nearest Watercourse:**	
Contaminant Name:	GLYCOL/WATER SOLUTION	**Site Address:**	Bradford St. - south of Simcoe St.
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land; Source Water Zone	**Northing:**	4915535.68
MOE Response:	No	**Easting:**	604031.07
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2018/11/07	**Site Map Datum:**	NAD83
Dt Document Closed:	2018/11/21	**SAC Action Class:**	Land Spills
Incident Reason:	Unknown / N/A	**Source Type:**	Motor Vehicle
Site Name:	broken down bus<UNOFFICIAL>		
Site County/District:	County of Simcoe		
Site Geo Ref Meth:			
Incident Summary:	Barrie Transit: ~5L antifreeze to road/no impacts/contained/cleaned		
Contaminant Qty:	5 L		

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26 **1 of 3** **SSE/68.5** **219.9 / -0.85** **Invar (Vespra) Limited**
33 ELLEN ST, BARRIE, ON, L4N 6E9
BARRIE ON L4N 6E9 **RSC**

RSC ID:	42105	**Cert Date:**	16-Nov-07
RA No:		**Cert Prop Use No:**	No CPU
RSC Type:		**Intended Prop Use:**	Residential
Curr Property Use:	Residential	**Qual Person Name:**	Mr. Frank Spain
Ministry District:	BARRIE	**Stratified (Y/N):**	
Filing Date:	7-Feb-08	**Audit (Y/N):**	
Date Ack:		**Entire Leg Prop. (Y/N):**	Yes
Date Returned:		**Accuracy Estimate:**	11 to 20 meters
Restoration Type:		**Telephone:**	416-4419855
Soil Type:		**Fax:**	416-4410172
Criteria:		**Email:**	
CPU Issued Sect 1686:	No		
Asmt Roll No:			
Prop ID No (PIN):	Part of 58795-0553 (LT)		
Property Municipal Address:	33 ELLEN ST, BARRIE, ON, L4N 6E9		
Mailing Address:	Suite 301, 220 DUNCAN MILL RD, TORONTO, ON, M3B 3J5		
Latitude & Latitude:	44.38052570N 79.69225590W (converted from UTM)		
UTM Coordinates:	NAD83 17-604175-4914970		
Consultant:			
Filing Owner:			
Legal Desc:	"Entire Property:58795-0279LT, Part Lot 25, Concession 5 Vespra, Barrie, designated as Part 1 on Ref Plan 51R-32954 Barrie": Current title RSC Property: PART 14, 51R-35813; Part of Lot 25, Concession 5, Township of Vespra now City of Barrie"		
Measurement Method:	Interpolation from a map		
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use		
RSC PDF:			

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26 **2 of 3** **SSE/68.5** **219.9 / -0.85** **Invar (Vespra) Limited**
33 ELLEN ST, BARRIE, ON, L4N 6E9, ,
ON L4N 6E9 **RSC**

RSC ID:	42301	**Cert Date:**	16-Nov-07
RA No:		**Cert Prop Use No:**	No CPU

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

RSC Type:		**Intended Prop Use:**	Residential
Curr Property Use:	Residential	**Qual Person Name:**	Mr. Frank Spain
Ministry District:	BARRIE	**Stratified (Y/N):**	
Filing Date:	22-Apr-08	**Audit (Y/N):**	
Date Ack:		**Entire Leg Prop. (Y/N):**	Yes
Date Returned:		**Accuracy Estimate:**	11 to 20 meters
Restoration Type:		**Telephone:**	416-4419855
Soil Type:		**Fax:**	416-4410172
Criteria:		**Email:**	
CPU Issued Sect 1686:	No		
Asmt Roll No:			

Prop ID No (PIN): Part of 58795-0553 (LT)
Property Municipal Address: 33 ELLEN ST, BARRIE, ON, L4N 6E9, ,
Mailing Address: Suite 301, 220 DUNCAN MILL RD, TORONTO, ON, M3B 3J5
Latitude & Latitude: 44.38065790N 79.69200190W (converted from UTM)
UTM Coordinates: NAD83 17-604195-4914985
Consultant:
Filing Owner:
Legal Desc: "Entire Prperty: 58795-0279 LT, Part Lot 25, Concession 5 Vespra, Barrie, designated as Part 1 on Ref Plan 51R-32954 Barrie": "Current title RSC Property: PART 2 & PART 9 51R- 35813; Part of Lot 25, Concession 5, formerly Township of Vespra now City of Barrie"
Measurement Method: Interpolation from a map
Applicable Standards: Background Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
RSC PDF:

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26 | ***3 of 3*** | ***SSE/68.5*** | ***219.9 / -0.85*** | ***Invar (Vespra) Limited***
33 ELLEN ST, BARRIE, ON, L4N 6E9
BARRIE ON L4N 6E9 | ***RSC***

RSC ID:	41916	**Cert Date:**	17-Dec-07
RA No:		**Cert Prop Use No:**	No CPU
RSC Type:		**Intended Prop Use:**	Residential
Curr Property Use:	Residential	**Qual Person Name:**	Mr. Frank Spain
Ministry District:	BARRIE	**Stratified (Y/N):**	
Filing Date:	7-Feb-08	**Audit (Y/N):**	
Date Ack:		**Entire Leg Prop. (Y/N):**	Yes
Date Returned:		**Accuracy Estimate:**	11 to 20 meters
Restoration Type:		**Telephone:**	416-4419855
Soil Type:		**Fax:**	416-4410172
Criteria:		**Email:**	
CPU Issued Sect 1686:	No		
Asmt Roll No:			

Prop ID No (PIN): 58795-0146 (LT)
Property Municipal Address: 33 ELLEN ST, BARRIE, ON, L4N 6E9
Mailing Address: Suite 301, 220 DUNCAN MILL RD, TORONTO, ON, M3B 3J5
Latitude & Latitude: 44.38066860N 79.69294320W (converted from UTM)
UTM Coordinates: NAD83 17-604120-4914985
Consultant:
Filing Owner:
Legal Desc: "Entire Property; 58795 - 0146IT, Lot 8 N/S/ Vespra Street, Plan 22 Barrie"; "Current RSC property; PART 4 AND 7, 51R-35813; Reg Plan 22, Part of Lot 8, north side of Vespra St"
Measurement Method: Interpolation from a map
Applicable Standards: Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
RSC PDF:

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27 | ***1 of 1*** | ***N/69.5*** | ***222.9 / 2.15*** | ***The Corporation of the City of Barrie***
65 Dunlop St 87 Simcoe Street
Barrie ON L4M 4T5 | ***ECA***

Approval No: 0246-APTKL4 **MOE District:**

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

Approval Date:	2017-08-02	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	65 Dunlop St 87 Simcoe Street		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0046-APLM2D-14.pdf		

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28 | **1 of 1** | **NW/71.6** | **224.6 / 3.85** | **38 Bradford Street, Barrie ON L4N 3A8** | **EHS**

Order No:	20121011043	**Nearest Intersection:**	
Status:	C	**Municipality:**	City of Barrie
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	22-OCT-12	**Search Radius (km):**	.25
Date Received:	11-OCT-12	**X:**	-79.694349
Previous Site Name:		**Y:**	44.38536
Lot/Building Size:	0.3 ha		
Additional Info Ordered:			

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29 | **1 of 1** | **SSW/77.3** | **220.7 / 0.04** | **CAR WASH, 34 VESPRA STREET, BARRIE CITY ON L4N 2G6** | **SPL**

Ref No:	74275	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	7/30/1992	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	PIPE/HOSE LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	CONFIRMED	**Site Municipality:**	70101
Nature of Impact:	Other kill	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	WORKS DEPT, POLICE
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	7/30/1992	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	INTENTIONAL/PLANNED	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CAR WASH: DISCHARGE FROM CAR WASH ONTO PRIVATE PROPERTY KILLED DOG.		
Contaminant Qty:			

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30 | **1 of 1** | **SSW/79.1** | **222.0 / 1.33** | **Bradford St. (Highway 11), Barrie ON** | **EHS**

Order No:	20050616012	**Nearest Intersection:**	Vespra St.
Status:	C	**Municipality:**	Barrie
Report Type:		**Client Prov/State:**	ON
Report Date:	6/20/2005	**Search Radius (km):**	0.25

Date Received:	6/16/2005	**X:**	-79.693902
Previous Site Name:		**Y:**	44.382367
Lot/Building Size:	2.5 acres		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

31 **1 of 1** **SSW/80.4** **222.0 / 1.33** **Fercan Developments Inc.** **GEN**
100 Bradford Street
Barrie ON L4N 3A8

Generator No:	ON3933225	**PO Box No:**	
Status:		**Country:**	
Approval Years:	06	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	811111		
SIC Description:	General Automotive Repair		

Detail(s)

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

32 **1 of 1** **W/83.4** **224.2 / 3.46** **WWIS**
Barrie ON

Well ID:	7269401	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	8/18/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z228543	**Owner:**	
Tag:	A156710	**Street Name:**	50 BRADFORD STREET
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006221929	**Elevation:**	224.549575
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603964
Code OB Desc:		**North83:**	4915406
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/7/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1006235343
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006235344
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	10
Formation End Depth:	30
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006235352
Layer:	2
Plug From:	18
Plug To:	30
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006235351
Layer:	1
Plug From:	0
Plug To:	18
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1006235342
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006235347
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	20
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006235348
Layer:	1
Slot:	10
Screen Top Depth:	20
Screen End Depth:	30
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	1006235346
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	20
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006235345
Diameter:	4.25
Depth From:	0
Depth To:	30
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

33 ***1 of 1*** ***WNW/84.1*** ***225.0 / 4.31*** ***Barrie ON*** ***WWIS***

Well ID:	7179175	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	4/13/2012
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7190
Casing Material:		***Form Version:***	7
Audit No:	Z146933	***Owner:***	
Tag:	A105859	***Street Name:***	50 BRADFORD STREET PRINCE WALES

SCHOOL

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:

County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003709765
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 3/15/2012
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 224.715774
Elevrc:
Zone: 17
East83: 603961
North83: 4915443
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004241924
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3: 91
Other Materials: WATER-BEARING
Formation Top Depth: 0.5
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004241923
Layer: 2
Color: 6
General Color: BROWN
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0.2
Formation End Depth: 0.5

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004241922
Layer: 1
Color: 8
General Color: BLACK
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 0.2
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004241931
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004241932
Layer: 2
Plug From: 1
Plug To: 4.5
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1004241921
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004241927
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 6
Casing Diameter: 2

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004241928
Layer: 1
Slot:
Screen Top Depth: 6
Screen End Depth: 16
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Water Details

Water ID: 1004241926
Layer: 1
Kind Code:
Kind:
Water Found Depth: 7.5
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1004241925
Diameter: 6
Depth From: 0
Depth To: 16
Hole Depth UOM: ft
Hole Diameter UOM: inch

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34 | **1 of 1** | **NNW/84.4** | **223.9 / 3.15** | **25 Bradford St. 15 High St. Four Son's Auto Service Ltd.**
Barrie ON L4N 3A7 | **EHS**

Order No: 20041029005
Status: C
Report Type: Complete Report
Report Date: 11/2/04
Date Received: 10/29/04
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Aerials Photos and/or Topographical Maps; Title Search

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.693838
Y: 44.385963

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35 | **1 of 26** | **NE/84.7** | **219.6 / -1.07** | **CITY OF BARRIE PARKS & RECREATION DEPT**
55 LAKESHORE DR
BARRIE ON | **EXP**

Instance No: 10557090
Instance ID: 27260
Instance Type: FS Liquid Fuel Tank
Description: FS Liquid Fuel Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	2 of 26	NE/84.7	219.6 / -1.07	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON	EXP

Instance No: 10557112
Instance ID: 28969
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	3 of 26	NE/84.7	219.6 / -1.07	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON L4N 7Y9	EXP

Instance No: 10557090
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Marina
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 6/4/2009

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	4 of 26	NE/84.7	219.6 / -1.07	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON L4N 7Y9	FST

Instance No: 11630432
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 20000
Tank Material: Fiberglass (FRP)
Corrosion Protection: Fiberglass
Tank Type: Double Wall UST
Install Year: 2001
Parent Facility Type: FS Marina
Facility Type: FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	5 of 26	NE/84.7	219.6 / -1.07	CITY OF BARRIE PARKS & RECREATION DEPT 55 LAKESHORE DR BARRIE ON	FSTH

License Issue Date: 9/27/2002
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Retail Fuel Outlet
Facility Type: Marina

--Details--
Status: Active
Year of Installation: 1976
Corrosion Protection:

Capacity: 9000
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Status: Active
Year of Installation: 2001
Corrosion Protection:
Capacity: 20000
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline

---

35 **6 of 26** **NE/84.7** **219.6 / -1.07** **The Corporation of the City of Barrie**
55 Lakeshore Drive
Barrie ON L4M 4T5 **GEN**

Generator No: ON5911410
Status:
Approval Years: 05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

35 **7 of 26** **NE/84.7** **219.6 / -1.07** **The Corporation of the City of Barrie**
55 Lakeshore Drive
Barrie ON **GEN**

Generator No: ON5911410
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

35 **8 of 26** **NE/84.7** **219.6 / -1.07** **The Corporation of the City of Barrie**
55 Lakeshore Drive
Barrie ON L4M 4T5 **GEN**

Generator No: ON5911410
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

35 ***9 of 26*** ***NE/84.7*** ***219.6 / -1.07*** ***The Corporation of the City of Barrie***
55 Lakeshore Drive
Barrie ON
GEN

Generator No: ON5911410
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

35 ***10 of 26*** ***NE/84.7*** ***219.6 / -1.07*** ***The Corporation of the City of Barrie***
55 Lakeshore Drive
Barrie ON
GEN

Generator No: ON5911410
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

35 ***11 of 26*** ***NE/84.7*** ***219.6 / -1.07*** ***The Corporation of the City of Barrie***
55 Lakeshore Drive
Barrie ON
GEN

Generator No: ON5911410
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description:

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

---

35 ***12 of 26*** ***NE/84.7*** ***219.6 / -1.07*** ***The Corporation of the City of Barrie***
55 Lakeshore Drive
Barrie ON L4M 4T5 ***GEN***

Generator No: ON5911410
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Brad McConnell
Phone No Admin: 705-739-4218 Ext.

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

---

35 ***13 of 26*** ***NE/84.7*** ***219.6 / -1.07*** ***The Corporation of the City of Barrie***
55 Lakeshore Drive
Barrie ON L4M 4T5 ***GEN***

Generator No: ON5911410
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 221 L
Waste Class Desc: Light fuels

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

---

35 ***14 of 26*** ***NE/84.7*** ***219.6 / -1.07*** ***The Corporation of the City of Barrie***
55 Lakeshore Drive
Barrie ON L4M 4T5 ***GEN***

Generator No: ON5911410
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Brad McConnell
Phone No Admin: 705-739-4218 Ext.

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

35 **15 of 26** **NE/84.7** **219.6 / -1.07**

The Corporation of the City of Barrie
55 Lakeshore Drive
Barrie ON L4M 4T5

GEN

Generator No: ON5911410
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Brad McConnell
Phone No Admin: 705-739-4218 Ext.

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

---

35 **16 of 26** **NE/84.7** **219.6 / -1.07**

The Corporation of the City of Barrie
55 Lakeshore Drive
Barrie ON L4M 4T5

GEN

Generator No: ON5911410
Status: Registered
Approval Years: As of Jul 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 221 L
Waste Class Desc: Light fuels

---

35 **17 of 26** **NE/84.7** **219.6 / -1.07**

CITY OF BARRIE PARKS & RECREATION DEPT
55 LAKESHORE DR
BARRIE ON

PRT

Location ID: 1315
Type: retail
Expiry Date: 1995-09-30
Capacity (L): 9000
Licence #: 0010651001

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35 **18 of 26** **NE/84.7** **219.6 / -1.07**

55S Lakeshore Dr Lakeshore Mews
Barrie ON NA

SPL

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

Ref No:	8760-AQET53	**Discharger Report:**	
Site No:	9191-9YAH5K	**Material Group:**	
Incident Dt:	8/20/2017	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Other
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	Lake Simcoe
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	**Site Address:**	55S Lakeshore Dr Lakeshore Mews
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	NA
Contaminant UN No 1:	n/a	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	NA
Receiving Env:	Surface Water; Source Water Zone	**Northing:**	4915021
MOE Response:	No	**Easting:**	604353
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	GIS Software
MOE Reported Dt:	8/20/2017	**Site Map Datum:**	Unknown
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown / N/A	**Source Type:**	Motor Vehicle
Site Name:	Barrie Marina		
Site County/District:	County of Simcoe		
Site Geo Ref Meth:	10-30 metres eg. Medium Quality GPS		
Incident Summary:	City of Barrie: ~5-10L of Hydrocarbon into Lake Simcoe at Barrie Marina		
Contaminant Qty:	10 L		

35	***19 of 26***	***NE/84.7***	***219.6 / -1.07***	***PRIVATE OWNER 55 LAKESHORE DR. ""D"" DOCK SLIP #34 PLEASURE CRAFT BARRIE CITY ON***	***SPL***

Ref No:	233590	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	7/27/2002	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	WATERCRAFT SINKING	**Sector Type:**	
Incident Event:		**Agency Involved:**	BARRIE ENV.
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	70101
Nature of Impact:	Water course or lake	**Site Lot:**	
Receiving Medium:	WATER	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	7/27/2002	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	20 FT BOAT AT DOCK SUNK SMALL AMOUNT OF GAS & OIL TO LAKE, CONTAINED		
Contaminant Qty:			

35	***20 of 26***	***NE/84.7***	***219.6 / -1.07***	***55 Lakeshore Blvd CITY OF BARRIE MARINA<UNOFFICIAL> Barrie ON***	***SPL***

Ref No:	8230-6TWN45	**Discharger Report:**	

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

Site No:		**Material Group:**	Oils
Incident Dt:	9/23/2006	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Other Discharges	**Sector Type:**	Other Watercraft
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	DIESEL FUEL	**Site Address:**	55 LAKESHORE BLVD
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	9/23/2006	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	Spill	**Source Type:**	
Site Name:	55 LAKESHORE BLVD		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie Marina:diesel sheen in water		
Contaminant Qty:	Not Specified		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	21 of 26	NE/84.7	219.6 / -1.07	55 Lakeshore Dr BARRIE MARINA<UNOFFICIAL> Barrie ON	SPL

Ref No:	1481-6VYSRE	**Discharger Report:**	
Site No:		**Material Group:**	Oils
Incident Dt:	11/28/2006	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Other Motor Vehicle
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	DIESEL FUEL	**Site Address:**	55 LAKESHORE DR
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	11/28/2006	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:		**Source Type:**	
Site Name:	55 LAKESHORE DR		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie: 50L of DSL to L.Simcoe at Marina		
Contaminant Qty:	50 L		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	22 of 26	NE/84.7	219.6 / -1.07	55 Lakeshore Drive Barrie ON	SPL

Ref No:	5722-6J5NCW	**Discharger Report:**	0
Site No:		**Material Group:**	Waste
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	

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

Incident Cause:	Other Discharges	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:	SEWAGE,RAW CHLORINATED	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	11/14/2005	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Spill	**Source Type:**	
Site Name:	Lake Simcoe @ City of Barrie marine gas pumps<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	denied s. 21(1)		
Contaminant Qty:	13.6 L		

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35 **23 of 26** **NE/84.7** **219.6 / -1.07** **The Corporation of the City of Barrie**
55 Lakeshore Drive
Barrie ON **SPL**

Ref No:	4883-8WQPUU	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	31-JUL-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Unknown	**Sector Type:**	Unknown
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	55 Lakeshore Drive
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Sewage - Municipal/Private and Commercial	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Planned Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	31-JUL-12	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown - Reason not determined	**Source Type:**	
Site Name:	marina on Kidds Creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	City of Barrie Marina: sheen on Kidds Creek; cntnd		
Contaminant Qty:			

---

35 **24 of 24** **NE/84.7** **219.6 / -1.07** **Ford On-Site Services Ltd.**
PARKING LOT AT 55 LAKESHORE RD<UNOFFICIAL>
Barrie ON **SPL**

Ref No:	6331-6SFCJZ	**Discharger Report:**	
Site No:		**Material Group:**	Wastes
Incident Dt:	8/7/2006	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Intent - Intentional or planned occurrence	**Sector Type:**	Other Motor Vehicle

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

Incident Event:		**Agency Involved:**	
Contaminant Code:	44	**Nearest Watercourse:**	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Soil Contamination; Surface Water Pollution	**Site Lot:**	
Receiving Medium:	Land & Water	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/7/2006	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	Vandalism - Illegal/deliberate (incl. sabotage)	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Natures Call truck vandalized overnight 470L sew to CB/pvmt		
Contaminant Qty:	681 L		

35	25 of 26	NE/84.7	219.6 / -1.07	55S Lakeshore Dr Lakeshore Mews Barrie ON NA	SPL

Ref No:	0468-A2LK5F	**Discharger Report:**	
Site No:	9191-9YAH5K	**Material Group:**	
Incident Dt:	9/22/2015	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	Lake Simcoe
Contaminant Name:	FUEL (N.O.S.)	**Site Address:**	55S Lakeshore Dr Lakeshore Mews
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	NA
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	4915021
MOE Response:	No	**Easting:**	604353
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	GIS Software
MOE Reported Dt:	9/22/2015	**Site Map Datum:**	Unknown
Dt Document Closed:	9/25/2015	**SAC Action Class:**	Environment Canada - Spills at Federal Facilities & Spills of National Interest
Incident Reason:	Unknown / N/A	**Source Type:**	
Site Name:	Barrie Marina		
Site County/District:			
Site Geo Ref Meth:	10-30 metres eg. Medium Quality GPS		
Incident Summary:	Barrie Marina: boat sunk, fuel and oil in dock area		
Contaminant Qty:	0 other - see incident description		

35	26 of 26	NE/84.7	219.6 / -1.07	The Corporation of the City of Barrie 55S Lakeshore Dr Lakeshore Mews Barrie ON NA	SPL

Ref No:	4700-9Y8J5X	**Discharger Report:**	
Site No:	9191-9YAH5K	**Material Group:**	
Incident Dt:	7/8/2015	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:		**Agency Involved:**	
Contaminant Code:	12	**Nearest Watercourse:**	Lake Simcoe

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

Contaminant Name:	GASOLINE	**Site Address:**	55S Lakeshore Dr Lakeshore Mews
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	NA
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	4915021
MOE Response:	No	**Easting:**	604353
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	GIS Software
MOE Reported Dt:	7/8/2015	**Site Map Datum:**	Unknown
Dt Document Closed:	7/15/2015	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown / N/A	**Source Type:**	
Site Name:	Barrie Marina		
Site County/District:			
Site Geo Ref Meth:	10-30 metres eg. Medium Quality GPS		
Incident Summary:	CIty of Barrie Marina: seadoo sank, 2 L fuel to water		
Contaminant Qty:	2 L		

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36 | ***1 of 1*** | ***SW/84.9*** | ***222.2 / 1.46*** | ***100 Bradford Street Barrie ON L4N 3A8*** | ***EHS***

Order No:	20190808064	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	15-AUG-19	**Search Radius (km):**	.25
Date Received:	08-AUG-19	**X:**	-79.694578
Previous Site Name:		**Y:**	44.382655
Lot/Building Size:			
Additional Info Ordered:			

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37 | ***1 of 1*** | ***S/86.0*** | ***220.9 / 0.18*** | ***BARRIE CITY VESPRA ST/BRADFORD ST/ELLEN ST BARRIE CITY ON*** | ***CA***

Certificate #:	3-0631-96-
Application Year:	96
Issue Date:	6/25/1996
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

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38 | ***1 of 1*** | ***NW/87.2*** | ***224.7 / 3.95*** | ***BARRIE ON*** | ***WWIS***

Well ID:	7299292	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	11/17/2017
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z271513	**Owner:**	

Tag:	A229660	***Street Name:***	36 BRADFORD STREET
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1006803297	***Elevation:***	224.571685
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	604000
Code OB Desc:		***North83:***	4915527
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	9/1/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007032349
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007032350
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	15

Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007032360
Layer: 2
Plug From: 5
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007032361
Layer: 3
Plug From: 3
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007032359
Layer: 1
Plug From: 15
Plug To: 5
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1007032347
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007032354
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 3
Depth To: 0
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1007032353
Layer: 1

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	5
Depth To:	0
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1007032355
Layer:	1
Slot:	
Screen Top Depth:	15
Screen End Depth:	5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Results of Well Yield Testing

Pump Test ID:	1007032348
Pump Set At:	
Static Level:	10
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1007032352
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	10
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007032351
Diameter:	8.5
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

39	*1 of 1*	*SSW/87.3*	*221.8 / 1.10*	*Lot 24 Concession 5 Vespra & Bradford Street) Barrie Barrie ON*	*LIMO*

ECA/Instrument No: X4107 ***Natural Attenuation:***

Oper Status 2016:	Historic	**Liners:**	
C of A Issue Date:		**Cover Material:**	
C of A Issued to:		**Leachate Off-Site:**	
Lndfl Gas Mgmt (P):		**Leachate On Site:**	
Lndfl Gas Mgmt (F):		**Req Coll Lndfll Gas:**	
Lndfl Gas Mgmt (E):		**Lndfll Gas Coll:**	
Lndfl Gas Mgmt Sys:		**Total Waste Rec:**	
Landfill Gas Mntr:		**TWR Methodology:**	
Leachate Coll Sys:		**TWR Unit:**	
ERC Est Vol (m3):		**Tot Aprv Cap Unit:**	
ERC Volume Unit:		**Financial Assurance:**	
ERC Dt Last Det:		**Last Report Year:**	
Landfill Type:		**MOE Region:**	
Source File Type:	Historic and Closed Landfills	**MOE District:**	
Fill Rate:		**Site County:**	
Fill Rate Unit:		**Lot:**	
Tot Fill Area (ha):		**Concession:**	
Tot Site Area (ha):		**Latitude:**	
Footprint:		**Longitude:**	
Tot Apprv Cap (m3):		**Easting:**	
Contam Atten Zone:		**Northing:**	
Grndwtr Mntr:		**UTM Zone:**	
Surf Wtr Mntr:		**Data Source:**	
Air Emis Monitor:			
Approved Waste Type:			
Client Site Name:			
ERC Methodology:			
Site Name:			
Site Location Details:	Lot 24 Concession 5 Vespra & Bradford Street) Barrie		
	Barrie		
Service Area:			
Page URL:			

40 **1 of 1** **NNW/89.5** **223.2 / 2.46** **BARRIE ON** **WWIS**

Well ID:	5740454	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Not Used	**Date Received:**	1/20/2006
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	1663
Casing Material:		**Form Version:**	3
Audit No:	Z36760	**Owner:**	
Tag:	A023455	**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	11556511	**Elevation:**	222.90184
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17

Code OB:	o	***East83:***	604083
Code OB Desc:	Overburden	***North83:***	4915595
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	11/16/2005	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933050243
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2.13
Formation End Depth:	3.05
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933050245
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	7.6
Formation End Depth:	10.6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933050244
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	3.05
Formation End Depth:	7.6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933050242
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	02
Other Materials:	TOPSOIL
Formation Top Depth:	0
Formation End Depth:	2.13
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933050246
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	10.6
Formation End Depth:	12.2
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933291607
Layer:	2
Plug From:	6
Plug To:	10
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933291606
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11566118
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930877648
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 9.15
Casing Diameter: 6.25
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933417935
Layer: 1
Slot: 014
Screen Top Depth: 9.15
Screen End Depth: 10.6
Screen Material: 1
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 11573454
Pump Set At:
Static Level: 1.84
Final Level After Pumping: 8.05
Recommended Pump Depth:
Pumping Rate: 180
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11606669
Test Type: Draw Down
Test Duration: 5
Test Level: 7.48
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606682
Test Type: Recovery

Test Duration: 40
Test Level: 1.99
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606684
Test Type: Draw Down
Test Duration: 60
Test Level: 7.85
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606667
Test Type: Draw Down
Test Duration: 4
Test Level: 7.42
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606668
Test Type: Recovery
Test Duration: 4
Test Level: 2.17
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606670
Test Type: Recovery
Test Duration: 5
Test Level: 2.14
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606672
Test Type: Recovery
Test Duration: 10
Test Level: 2.07
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606676
Test Type: Recovery
Test Duration: 20
Test Level: 2.03
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606677
Test Type: Draw Down
Test Duration: 25
Test Level: 7.69
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606683
Test Type: Draw Down
Test Duration: 50
Test Level: 7.79
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606663
Test Type: Draw Down
Test Duration: 2
Test Level: 6.97
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606664
Test Type: Recovery
Test Duration: 2
Test Level: 2.32
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606665
Test Type: Draw Down
Test Duration: 3
Test Level: 7.28
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606681
Test Type: Draw Down
Test Duration: 40
Test Level: 7.78
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606671
Test Type: Draw Down
Test Duration: 10
Test Level: 7.58
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606674
Test Type: Recovery
Test Duration: 15
Test Level: 2.05
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606675

Test Type: Draw Down
Test Duration: 20
Test Level: 7.68
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606680
Test Type: Recovery
Test Duration: 30
Test Level: 2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606661
Test Type: Draw Down
Test Duration: 1
Test Level: 6.43
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606666
Test Type: Recovery
Test Duration: 3
Test Level: 2.19
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606679
Test Type: Draw Down
Test Duration: 30
Test Level: 7.69
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606673
Test Type: Draw Down
Test Duration: 15
Test Level: 4.68
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606662
Test Type: Recovery
Test Duration: 1
Test Level: 3.16
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11606678
Test Type: Recovery
Test Duration: 25
Test Level: 2.01
Test Level UOM: m

Water Details

Water ID:	934072534
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	2
Water Found Depth UOM:	m

41 ***1 of 1*** ***SSW/94.7*** ***222.0 / 1.33*** ***Barrie ON*** ***WWIS***

Well ID:	7252696	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	11/23/2015
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7201
Casing Material:		***Form Version:***	7
Audit No:	Z214644	***Owner:***	
Tag:	A196052	***Street Name:***	VESPRA ST
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1005810509	***Elevation:***	223.740463
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	604022
Code OB Desc:		***North83:***	4915162
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/2/2015	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005827534
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11

Other Materials:	GRAVEL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005827535
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	4
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005827542
Layer:	1
Plug From:	15
Plug To:	3
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005827543
Layer:	2
Plug From:	3
Plug To:	0.5
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1005827533
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005827538
Layer:	1

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1.875
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005827539
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Hole Diameter

Hole ID:	1005827536
Diameter:	15
Depth From:	0
Depth To:	8.25
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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42 | ***1 of 1*** | ***S/97.3*** | ***219.9 / -0.85*** | ***P.U.C. BARRIE VESPRA ST/ELLEN ST. BARRIE CITY ON*** | ***CA***

Certificate #:	7-0547-96-
Application Year:	96
Issue Date:	6/25/1996
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

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43 | ***1 of 1*** | ***NE/101.5*** | ***220.9 / 0.15*** | ***Barrie ON*** | ***WWIS***

Well ID:	7117031	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	12/18/2008
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7201
Casing Material:		**Form Version:**	5
Audit No:	M03701	**Owner:**	
Tag:	A076544	**Street Name:**	LAKESHORE DRIVE BETWEEN TIFFIN & TORONTO STREET
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY

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

Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	1001916686	***Elevation:***	220.455184
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	604251
Code OB Desc:		***North83:***	4915534
Open Hole:	N	***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	8/14/2008	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002791211
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	04
Most Common Material:	PEAT
Mat2:	
Other Materials:	
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	2.2
Formation End Depth:	4.9
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002791210
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	0.15
Formation End Depth:	2.2
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002791209
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	0.15
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002791213
Layer:	1
Plug From:	0
Plug To:	1.6
Plug Depth UOM:	m

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1002791207
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002791214
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4.9
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002791215
Layer:	1
Slot:	10
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	m

Screen Diameter UOM: cm
Screen Diameter: 6.4

Results of Well Yield Testing

Pump Test ID: 1002791208
Pump Set At:
Static Level: 2.2
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM:
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002791212
Diameter: 21
Depth From: 0
Depth To: 4.9
Hole Depth UOM: m
Hole Diameter UOM: cm

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44 | **1 of 1** | **NW/104.1** | **224.9 / 4.15** | **125 Dunlop Street West & 50 Bradford Street Barrie ON L4N 3A8** | **EHS**

Order No: 20180525434
Status: C
Report Type: Standard Select Report
Report Date: 31-MAY-18
Date Received: 25-MAY-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.694587
Y: 44.385597

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45 | **1 of 1** | **S/105.8** | **221.9 / 1.24** | **31 Vespra Street Barrie ON** | **SPL**

Ref No: 3161-AEDPHE
Site No: NA
Incident Dt: 10/3/2016
Year:
Incident Cause:
Incident Event: Dumping
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land; Surface Water
MOE Response:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: 31 Vespra Street
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Barrie
Site Lot:
Site Conc:
Northing:
Easting:

Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	10/3/2016	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Deliberate Act	**Source Type:**	
Site Name:	Simcoe Taxi <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Simcoe Taxi- Power Washed Oil to Neighbour Property/Catch Basin		
Contaminant Qty:	50 L		

46 **1 of 1** **WNW/107.1** **224.9 / 4.18** **Barrie ON** **WWIS**

Well ID:	7297314	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	10/16/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7320
Casing Material:		**Form Version:**	7
Audit No:	Z268752	**Owner:**	
Tag:	A234431	**Street Name:**	125 DUNLOP ST WEST
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006765856	**Elevation:**	225.506805
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603939
Code OB Desc:		**North83:**	4915426
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/19/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006940840
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06

Other Materials:	SILT
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	3.3
Formation End Depth:	4.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006940839
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	3.3
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006940849
Layer:	3
Plug From:	1.2
Plug To:	4.5
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006940847
Layer:	1
Plug From:	0
Plug To:	0.3
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006940848
Layer:	2
Plug From:	0.3
Plug To:	1.2
Plug Depth UOM:	m

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1006940838
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006940843
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 1.5
Casing Diameter: 5.1
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006940844
Layer: 1
Slot: .01
Screen Top Depth: 1.5
Screen End Depth: 4.5
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.1

Water Details

Water ID: 1006940842
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 3.3
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006940841
Diameter: 21
Depth From: 0
Depth To: 4.5
Hole Depth UOM: m
Hole Diameter UOM: cm

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47 | **1 of 3** | **N/108.0** | **221.9 / 1.15** | **Simcoe And Toronto, Barrie Barrie ON** | **EHS**

Order No: 20131024032
Status: C
Report Type: Standard Report
Report Date: 01-NOV-13
Date Received: 24-OCT-13
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Topographic Maps

Nearest Intersection:
Municipality: Barrie
Client Prov/State: ON
Search Radius (km): .25
X: -79.692113
Y: 44.386363

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	2 of 3	N/108.0	221.9 / 1.15	Simcoe Street and Toronto Street to Simcoe Street to Bradford Street Barrie ON	SPL

Ref No:	0272-ARMR5L	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	9/28/2017	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	27	**Nearest Watercourse:**	
Contaminant Name:	COOLANT N.O.S.	**Site Address:**	Simcoe Street and Toronto Street to Simcoe Street to Bradford Street
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land; Surface Water; Source Water Zone	**Northing:**	4915619.58
MOE Response:	No	**Easting:**	604175.72
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	9/28/2017	**Site Map Datum:**	
Dt Document Closed:	10/21/2017	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Equipment Failure	**Source Type:**	Motor Vehicle

Site Name: Simcoe Street and Toronto Street to Simcoe Street to Bradford Street<UNOFFICIAL>
Site County/District: County of Simcoe
Site Geo Ref Meth:
Incident Summary: Go Transit: ~50-75L coolant to road, cb, contained, cleaning
Contaminant Qty: 75 L

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	3 of 3	N/108.0	221.9 / 1.15	The Corporation of the City of Barrie Toronto St and Simcoe Street Barrie ON	SPL

Ref No:	0227-AT3P3H	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2017/11/13	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Municipal Government
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Unknown / N/A	**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	HYDROCARBON LIGHT	**Site Address:**	Toronto St and Simcoe Street
Contaminant Limit 1:		**Site District Office:**	Barrie
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Surface Water	**Northing:**	4915620.78
MOE Response:	No	**Easting:**	604181.84
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2017/11/13	**Site Map Datum:**	
Dt Document Closed:	2017/12/19	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown / N/A	**Source Type:**	Unknown / N/A

Site Name: Kidds Creek<UNOFFICIAL>
Site County/District: County of Simcoe
Site Geo Ref Meth:
Incident Summary: City of Barrie - Hydrocarbons in Kidds Creek - Historical
Contaminant Qty: 0 L

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
48	1 of 1	N/109.0	221.9 / 1.15	Toronto and Simcoe Street Barrie ON	SPL

Ref No:	5866-7SUHXG	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Unknown	**Sector Type:**	Other
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:	DIESEL FUEL	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Possible	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/9/2009	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Spill	**Source Type:**	
Site Name:	Kidd's Creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie: Kidd's Creek impacted with diesel to Lk. Simcoe		
Contaminant Qty:	10 L		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	1 of 1	NNW/110.3	224.2 / 3.47	The Corporation of the City of Barrie intersection of Simcoe and Bradford St Barrie ON	SPL

Ref No:	4136-8ANRNN	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Pipe Or Hose Leak	**Sector Type:**	Motor Vehicle
Incident Event:		**Agency Involved:**	
Contaminant Code:	27	**Nearest Watercourse:**	
Contaminant Name:	COOLANT N.O.S.	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Confirmed	**Site Municipality:**	
Nature of Impact:	Other Impact(s)	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	10/28/2010	**Site Map Datum:**	
Dt Document Closed:	11/18/2010	**SAC Action Class:**	Land Spills
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	Roadway<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Simcoe/Bradford - 15 L antifreeze to grd		
Contaminant Qty:	15 L		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	1 of 1	ENE/112.6	218.9 / -1.85	PRIVATE OWNER CITY OF BARRIE MARINA H-PIER PLEASURE CRAFT	SPL

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

BARRIE CITY ON

Ref No:	157272	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	6/26/1998	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	WATERCRAFT SINKING	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	70101
Nature of Impact:	Water course or lake	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/26/1998	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	STORM/FLOOD/WIND	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: LAKE SIMCOE - DIESEL SPILLED FROM SUBMERGED BOAT, 2 GALLONS.

Contaminant Qty:

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51 | **1 of 2** | **N/116.2** | **222.9 / 2.19** | **Barrie ON** | **WWIS**

Well ID:	7269454	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/18/2016
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z228481	**Owner:**	
Tag:	A201216	**Street Name:**	28 TORONTO STREET
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006221376	**Elevation:**	221.650344
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604138
Code OB Desc:		**North83:**	4915636
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/9/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m

Remarks: ***Location Method:*** wwr
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Pipe Information

Pipe ID: 1006236701
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006236705
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006236706
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Hole Diameter

Hole ID: 1006236703
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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51 ***2 of 2*** ***N/116.2*** ***222.9 / 2.19*** ***BARRIE ON*** ***WWIS***

Well ID: 7264472
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z228478
Tag: A201216
Construction Method:
Elevation (m):

Data Entry Status:
Data Src:
Date Received: 6/9/2016
Selected Flag: Yes
Abandonment Rec:
Contractor: 7190
Form Version: 7
Owner:
Street Name: 28 TORONTO ST.
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)

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

Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	1006041084	***Elevation:***	221.650344
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	604138
Code OB Desc:		***North83:***	4915636
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	3/11/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006094333
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006094334
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	35
Most Common Material:	WOOD FRAGMENTS
Mat2:	
Other Materials:	
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006094342
Layer:	2
Plug From:	3
Plug To:	15
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006094341
Layer:	1
Plug From:	0
Plug To:	3
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1006094332
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006094337
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006094338
Layer:	1
Slot:	010
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	1006094336
Layer:	1

Kind Code:
Kind:
Water Found Depth: 2
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006094335
Diameter:
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

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52 | ***1 of 1*** | ***N/118.7*** | ***222.9 / 2.19*** | ***28 Toronto Street Barrie ON*** | ***EHS***

Order No: 20110323015
Status: C
Report Type: Standard Report
Report Date: 4/1/2011
Date Received: 3/23/2011 12:33:41 PM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.692495
Y: 44.386518

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53 | ***1 of 1*** | ***NW/123.1*** | ***224.9 / 4.20*** | ***Barrie ON*** | ***WWIS***

Well ID: 7179174
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z146932
Tag: A105855
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:
Date Received: 4/13/2012
Selected Flag: Yes
Abandonment Rec:
Contractor: 7190
Form Version: 7
Owner:
Street Name: 125 DUNLOP STREET WEST
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003709762
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 3/14/2012
Remarks:
Elevrc Desc:

Elevation: 224.640686
Elevrc:
Zone: 17
East83: 603997
North83: 4915581
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1004241911
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004241912
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 91
Other Materials: WATER-BEARING
Formation Top Depth: 15
Formation End Depth: 25
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004241919
Layer: 1
Plug From: 0
Plug To: 10
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004241920
Layer: 2
Plug From: 10
Plug To: 22
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:

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

Pipe Information

Pipe ID:	1004241910
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004241915
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	12
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004241916
Layer:	1
Slot:	
Screen Top Depth:	12
Screen End Depth:	22
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2

Water Details

Water ID:	1004241914
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	15
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004241913
Diameter:	6
Depth From:	0
Depth To:	22
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

54	1 of 1	S/123.3	220.9 / 0.15	36 Ellen St Barrie ON L4N3A3	EHS

Order No:	20160831040	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	06-SEP-16	**Search Radius (km):**	.25
Date Received:	31-AUG-16	**X:**	-79.69261

Previous Site Name:		**Y:**	44.38201
Lot/Building Size:			
Additional Info Ordered:			

55 | **1 of 1** | **NNW/123.9** | **223.9 / 3.15** | **19 Bradford St Barrie ON** | **EHS**

Order No:	20161109154	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	11-OCT-17	**Search Radius (km):**	.25
Date Received:	09-NOV-16	**X:**	-79.693723
Previous Site Name:		**Y:**	44.386361
Lot/Building Size:			
Additional Info Ordered:			

56 | **1 of 1** | **NNW/124.9** | **224.9 / 4.18** | **Barrie ON** | **WWIS**

Well ID:	7276985	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	12/13/2016
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7190
Casing Material:		**Form Version:**	7
Audit No:	Z238667	**Owner:**	
Tag:	A177522	**Street Name:**	125 DUNLOP ST W
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006305353	**Elevation:**	224.443634
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604004
Code OB Desc:		**North83:**	4915589
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/29/2016	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006485768
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006485769
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	63
Other Materials:	COARSE-GRAINED
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006485766
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	0.167
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006485767
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	08
Other Materials:	FINE SAND
Formation Top Depth:	0.167
Formation End Depth:	1

Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006485781
Layer: 3
Plug From: 4
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006485780
Layer: 2
Plug From: 1
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006485779
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1006485765
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006485773
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 0
Depth To: 1
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1006485774
Layer: 2

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	-2
Depth To:	5
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006485775
Layer:	1
Slot:	.01
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.125

Water Details

Water ID:	1006485772
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	10
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006485770
Diameter:	12
Depth From:	0
Depth To:	1
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1006485771
Diameter:	6
Depth From:	1
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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57 | ***1 of 1*** | ***N/125.0*** | ***222.9 / 2.19*** | ***28 Toronto St Barrie ON L4N1T9*** | ***EHS***

Order No:	20170602219	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	09-JUN-17	**Search Radius (km):**	.25
Date Received:	02-JUN-17	**X:**	-79.69274
Previous Site Name:		**Y:**	44.386606
Lot/Building Size:			
Additional Info Ordered:	City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
58	1 of 1	SW/125.3	223.0 / 2.34	Barrie ON	WWIS

Well ID: 7209097
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z161875
Tag: A143865

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:
Date Received: 10/3/2013
Selected Flag: Yes
Abandonment Rec:
Contractor: 7282
Form Version: 7
Owner:
Street Name: NORTH SIDE OF VESPRA ST. ROAD ALLOWANCE NORTH SIDE CORNER OF VESPRA ST. AND SANDFORD ST.

County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1004596431
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 7/26/2013
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 224.443527
Elevrc:
Zone: 17
East83: 603968
North83: 4915162
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004639956
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 91
Other Materials: WATER-BEARING
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 6
Formation End Depth: 13
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004639955
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 68
Other Materials: DRY
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004639963
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004639964
Layer: 2
Plug From: 2
Plug To: 13
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1004639954
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004639959
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 3
Casing Diameter: 2.049
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	1004639960
Layer:	1
Slot:	10
Screen Top Depth:	3
Screen End Depth:	13
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.375

Hole Diameter

Hole ID:	1004639957
Diameter:	8.25
Depth From:	0
Depth To:	13
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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59 ***1 of 1*** ***WNW/125.9*** ***224.9 / 4.16*** ***Barrie ON*** ***WWIS***

Well ID:	7297311	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	10/16/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7320
Casing Material:		**Form Version:**	7
Audit No:	Z268751	**Owner:**	
Tag:	A234432	**Street Name:**	125 DUNLOP ST WEST
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006765847	**Elevation:**	226.213897
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603927
Code OB Desc:		**North83:**	4915493
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/19/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006940771
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	3.9
Formation End Depth:	5.3
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006940770
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	3.9
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006940779
Layer:	2
Plug From:	0.3
Plug To:	1.9
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006940780
Layer:	3
Plug From:	1.9
Plug To:	5.3
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006940778
Layer:	1
Plug From:	0
Plug To:	0.3
Plug Depth UOM:	m

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 1006940769
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006940774
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 2.2
Casing Diameter: 5.1
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006940775
Layer: 1
Slot: 10
Screen Top Depth: 2.2
Screen End Depth: 5.3
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.1

Water Details

Water ID: 1006940773
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 3.9
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006940772
Diameter: 21
Depth From: 0
Depth To: 5.3
Hole Depth UOM: m
Hole Diameter UOM: cm

60	1 of 1	SSE/125.9	219.8 / -0.93	Victoria Square Developments Inc No municipal address, BARRIE ON	RSC

RSC ID: 45097 ***Cert Date:*** 9-May-08

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

RA No:		**Cert Prop Use No:**	No CPU
RSC Type:		**Intended Prop Use:**	Residential
Curr Property Use:	Commercial	**Qual Person Name:**	Mr. Joel Ross
Ministry District:	BARRIE	**Stratified (Y/N):**	
Filing Date:	9-Jun-08	**Audit (Y/N):**	
Date Ack:		**Entire Leg Prop. (Y/N):**	Yes
Date Returned:		**Accuracy Estimate:**	11 to 20 meters
Restoration Type:		**Telephone:**	416-4822899
Soil Type:		**Fax:**	416-4822819
Criteria:		**Email:**	
CPU Issued Sect 1686:	No		
Asmt Roll No:			
Prop ID No (PIN):	58795-0058(LT)		
Property Municipal Address:	No municipal address,		
Mailing Address:	Suite 301, 220 DUNCAN MILLS RD, TORONTO, ON, M3B 3J5		
Latitude & Latitude:	44.38229820N 79.69137540W (converted from UTM)		
UTM Coordinates:	NAD83 17-604242-4915168		
Consultant:			
Filing Owner:			
Legal Desc:	PART OF VESPRA ST PL 22 VESPRA LYING E OF ELLEN ST(CLOSED BY BY-LAW SC632902); BARRIE BEING PART 6 PLAN 51R-35813		
Measurement Method:	Interpolation from a map		
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use		
RSC PDF:			

61 **1 of 1** **NNW/126.8** **223.9 / 3.15** **BARRIE ON** **WWIS**

Well ID:	5740457	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Not Used	**Date Received:**	1/20/2006
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	1663
Casing Material:		**Form Version:**	3
Audit No:	Z36761	**Owner:**	
Tag:	A023454	**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	11556514	**Elevation:**	223.416625
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	604045
Code OB Desc:	Overburden	**North83:**	4915618
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/16/2005	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 933051700
Layer: 3
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2: 35
Other Materials: WOOD FRAGMENTS
Mat3:
Other Materials:
Formation Top Depth: 1.83
Formation End Depth: 3.05
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933051702
Layer: 5
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8.54
Formation End Depth: 11.59
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933051698
Layer: 1
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933051699
Layer: 2
Color: 8

General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	1.5
Formation End Depth:	1.83
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933051701
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	3.05
Formation End Depth:	8.54
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933292356
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933292357
Layer:	2
Plug From:	6
Plug To:	10
Plug Depth UOM:	m

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	11566121
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930878294
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	0
Depth To:	10.06
Casing Diameter:	6.25
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933418173
Layer:	1
Slot:	008
Screen Top Depth:	10.06
Screen End Depth:	11.58
Screen Material:	1
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6

Results of Well Yield Testing

Pump Test ID:	11573457
Pump Set At:	
Static Level:	1.64
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	13.6
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	20
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11611941
Test Type:	Draw Down
Test Duration:	3
Test Level:	4.49
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11611942
Test Type:	Draw Down
Test Duration:	4
Test Level:	4.94
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11611943

Test Type: Draw Down
Test Duration: 5
Test Level: 5.44
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11611944
Test Type: Draw Down
Test Duration: 10
Test Level: 7.35
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11611940
Test Type: Draw Down
Test Duration: 2
Test Level: 3.88
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11611945
Test Type: Draw Down
Test Duration: 15
Test Level: 8.59
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11611946
Test Type: Draw Down
Test Duration: 20
Test Level: 9.34
Test Level UOM: m

Water Details

Water ID: 934072541
Layer: 1
Kind Code:
Kind:
Water Found Depth: 2
Water Found Depth UOM: m

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62 | ***1 of 3*** | ***NNW/129.5*** | ***224.0 / 3.30*** | ***The Corporation of the City of Barrie 39 High St Simcoe Street & 2-28 Toronto St Barrie ON L4M 4T5*** | ***ECA***

Approval No: 2095-6GMQK6
Approval Date: 2005-09-28
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Lakes Simcoe and Couchiching/Black River
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address: 39 High St Simcoe Street & 2-28 Toronto St
Full Address:
Full PDF Link:

MOE District: Barrie
City:
Longitude: -79.67904
Latitude: 44.365100000000005
Geometry X:
Geometry Y:

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

62 *2 of 3* *NNW/129.5* *224.0 / 3.30* **The Corporation of the City of Barrie** **ECA**
39 High St Simcoe Street & 2-28 Toronto St
Barrie ON L4M 4T5

Approval No:	5461-6GMQHL	**MOE District:**	Barrie
Approval Date:	2005-09-28	**City:**	
Status:	Approved	**Longitude:**	-79.67904
Record Type:	ECA	**Latitude:**	44.365100000000005
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Lakes Simcoe and Couchiching/Black River	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	39 High St Simcoe Street & 2-28 Toronto St		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3663-6GEHCN-14.pdf		

62 *3 of 3* *NNW/129.5* *224.0 / 3.30* **The Corporation of the City of Barrie** **SPL**
15 - 39 High St Simcoe Street & 2-28 Toronto St
Barrie ON

Ref No:	1426-98KK9P	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	11-JUN-13	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Unknown / N/A	**Sector Type:**	Unknown / N/A
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	HYDROCARBON LIGHT	**Site Address:**	15 - 39 High St Simcoe Street & 2-28 Toronto St
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	NA
MOE Response:		**Easting:**	NA
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	NA
MOE Reported Dt:	11-JUN-13	**Site Map Datum:**	NA
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown / N/A	**Source Type:**	
Site Name:	Kidd's Creek Culvert		
Site County/District:			
Site Geo Ref Meth:	NA		
Incident Summary:	Barrie: hydrocarbon sheen on Kidds Creek, unknwn source		
Contaminant Qty:	0 other - see incident description		

63 *1 of 1* *N/131.1* *221.9 / 1.15* **WWIS**
Barrie ON

Well ID:	7231051	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	11/5/2014
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7282
Casing Material:		**Form Version:**	7
Audit No:	Z191730	**Owner:**	
Tag:	A167640	**Street Name:**	34 SIMCOE ROAD

Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1005203850	***Elevation:***	221.231811
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	604180
Code OB Desc:		***North83:***	4915642
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/11/2014	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005278388
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005278386
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005278387
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	8
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005278397
Layer:	3
Plug From:	3
Plug To:	6
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005278396
Layer:	2
Plug From:	1
Plug To:	3
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005278395
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1005278385
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005278391
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005278392
Layer:	1
Slot:	10
Screen Top Depth:	3
Screen End Depth:	6
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4

Water Details

Water ID:	1005278390
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	4
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005278389
Diameter:	8.25
Depth From:	0
Depth To:	6
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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64 | ***1 of 1*** | ***N/132.0*** | ***222.9 / 2.15*** | ***28 Toronto St Barrie ON L4N1T9*** | ***EHS***

Order No:	20160224104	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	02-MAR-16	***Search Radius (km):***	.25
Date Received:	24-FEB-16	***X:***	-79.692783
Previous Site Name:		***Y:***	44.386668
Lot/Building Size:			
Additional Info Ordered:			

---

65 | ***1 of 1*** | ***N/133.9*** | ***221.9 / 1.15*** | ***Barrie ON*** | ***WWIS***

Well ID:	7231050	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	11/5/2014
Sec. Water Use:		***Selected Flag:***	Yes

Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7282
Casing Material:		***Form Version:***	7
Audit No:	Z191728	***Owner:***	
Tag:	A167639	***Street Name:***	34 SIMCOE ROAD
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1005203847	***Elevation:***	221.19783
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	604187
Code OB Desc:		***North83:***	4915642
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/11/2014	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005278362
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005278363
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	04
Most Common Material:	PEAT
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 14
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005278361
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005278372
Layer: 3
Plug From: 3
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005278370
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005278371
Layer: 2
Plug From: 1
Plug To: 3
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1005278360

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005278366
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 3
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005278367
Layer: 1
Slot: 10
Screen Top Depth: 3
Screen End Depth: 15
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.4

Water Details

Water ID: 1005278365
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 4
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005278364
Diameter: 8.25
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

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66 ***1 of 1*** ***NNE/142.7*** ***221.5 / 0.82*** ***Barrie ON*** ***WWIS***

Well ID:	7231049	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	11/5/2014
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7282
Casing Material:		***Form Version:***	7
Audit No:	Z191736	***Owner:***	
Tag:	A167638	***Street Name:***	34 SIMCOE ROAD
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	

Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1005203844
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/12/2014
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 221.167373
Elevrc:
Zone: 17
East83: 604195
North83: 4915648
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005278336
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005278337
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 1
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005278338
Layer: 3
Color: 6
General Color: BROWN
Mat1: 04
Most Common Material: PEAT
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 15
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005278347
Layer: 3
Plug From: 4
Plug To: 14
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005278345
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005278346
Layer: 2
Plug From: 1
Plug To: 4
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1005278335
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005278341
Layer: 1

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005278342
Layer:	1
Slot:	10
Screen Top Depth:	4
Screen End Depth:	14
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4

Water Details

Water ID:	1005278340
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	4
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005278339
Diameter:	8.25
Depth From:	0
Depth To:	14
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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67 ***1 of 1*** ***SSE/143.0*** ***220.8 / 0.12*** ***37 Ellen St Barrie ON*** ***EHS***

Order No:	20050408005	**Nearest Intersection:**	Ellen St. & Victoria St.
Status:	C	**Municipality:**	
Report Type:		**Client Prov/State:**	ON
Report Date:	4/18/2005	**Search Radius (km):**	0.25
Date Received:	4/8/2005	**X:**	-79.692022
Previous Site Name:		**Y:**	44.381886
Lot/Building Size:			
Additional Info Ordered:			

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68 ***1 of 1*** ***W/144.4*** ***224.2 / 3.46*** ***ON*** ***WWIS***

Well ID:	7202513	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	6/3/2013
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7147
Casing Material:		**Form Version:**	8
Audit No:	C19701	**Owner:**	

Tag:	A137282	**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1004325400	**Elevation:**	224.288543
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603907
Code OB Desc:		**North83:**	4915341
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/9/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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69 **1 of 2** **SE/149.1** **219.9 / -0.76** **ON** **WWIS**

Well ID:	7234147	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	12/22/2014
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	6926
Casing Material:		**Form Version:**	8
Audit No:	C27180	**Owner:**	
Tag:	A160661	**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1005264012	**Elevation:**	220.732269
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604294
Code OB Desc:		**North83:**	4915199
Open Hole:		**Org CS:**	UTM83

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

Cluster Kind:		**UTMRC:**	4
Date Completed:	8/12/2014	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

69 **2 of 2** **SE/149.1** **219.9 / -0.76** **ON** **WWIS**

Well ID:	7247352	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/26/2015
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	6926
Casing Material:		**Form Version:**	8
Audit No:	C28111	**Owner:**	
Tag:	A160661	**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1005646880	**Elevation:**	220.732269
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604294
Code OB Desc:		**North83:**	4915199
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	12/17/2014	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

70 **1 of 1** **SSW/149.8** **222.7 / 2.02** **Barrie ON** **WWIS**

Well ID:	7281696	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	2/24/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7109
Casing Material:		**Form Version:**	7
Audit No:	Z246456	**Owner:**	

Tag:	A216588	**Street Name:**	111 BRADOFRD ST
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1006357233	**Elevation:**	223.287292
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604079
Code OB Desc:		**North83:**	4915101
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	2/1/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006599093
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Other Materials:	SILT
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	1
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006599092
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0.333
Formation End Depth:	1

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006599094
Layer: 4
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Other Materials: SAND
Mat3: 66
Other Materials: DENSE
Formation Top Depth: 15
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006599091
Layer: 1
Color: 8
General Color: BLACK
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3: 66
Other Materials: DENSE
Formation Top Depth: 0
Formation End Depth: 0.333
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006599103
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006599104
Layer: 2
Plug From: 1
Plug To: 13
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006599105
Layer: 3
Plug From: 13
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1006599090
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006599098
Layer: 1
Material:
Open Hole or Material:
Depth From: 0
Depth To: 1
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1006599099
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: -3
Depth To: 15
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006599100
Layer: 1
Slot: .01
Screen Top Depth: 15
Screen End Depth: 20
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.25

Water Details

Water ID: 1006599097
Layer: 2
Kind Code: 8
Kind: Untested
Water Found Depth: 15
Water Found Depth UOM: ft

Water Details

Water ID:	1006599096
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	10
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006599095
Diameter:	8
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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71 ***1 of 2*** ***NNW/150.2*** ***225.0 / 4.30*** ***BARRIE PUBLIC UTILITIES COMMISSION CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8*** ***GEN***

Generator No:	ON0519705	***PO Box No:***	
Status:		***Country:***	
Approval Years:	89	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	4911		
SIC Description:	ELECT. POWER SYS.		

Detail(s)

Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

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71 ***2 of 2*** ***NNW/150.2*** ***225.0 / 4.30*** ***BARRIE PUBLIC UTILITIES COMMISSION04-318 CENTRAL COLLEGIATE SCH.-20 BRADFORD ST. C/O 15 BAYFIELD ST. BARRIE ON L4M 4V8*** ***GEN***

Generator No:	ON0519705	***PO Box No:***	
Status:		***Country:***	
Approval Years:	92,93,94,95,96,97,98	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	4911		
SIC Description:	ELECT. POWER SYS.		

Detail(s)

Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
72	1 of 1	ENE/151.8	218.9 / -1.85	ON	WWIS

Well ID: 7169807
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z136816
Tag: A111656
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:
Date Received: 10/12/2011
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7241
Form Version: 7
Owner:
Street Name: 48 OWEN ST
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003578506
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 9/27/2011
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 218.87561
Elevrc:
Zone: 17
East83: 604401
North83: 4915463
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003993365
Layer: 1
Plug From: 0
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1003993356
Casing No: 0

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1003993360
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1003993361
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003993362
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	10
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.25

Hole Diameter

Hole ID:	1003993358
Diameter:	2.25
Depth From:	0
Depth To:	10
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	1 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP

Instance No:	10554607
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Full Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	11/24/2001

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	2 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP

Instance No:	9565290
Instance ID:	
Instance Type:	FS Facility
Description:	
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	11/24/2001

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	3 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP

Instance No:	10554607
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	11/24/2001

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	4 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP

Instance No:	10554662
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Full Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	11/24/2001

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	5 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N 3A9	EXP

Instance No:	10554662
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	11/24/2001

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	6 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON	EXP

Instance No: 10554634
Instance ID: 28184
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	7 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON	EXP

Instance No: 10554679
Instance ID: 27199
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	8 of 10	SSW/158.5	222.8 / 2.05	Thowisel Limited 111 Bradford St. Barrie ON L4N 3A9	GEN

Generator No: ON5201205
Status:
Approval Years: 06
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	9 of 10	SSW/158.5	222.8 / 2.05	THOWISEL LTD 111 BRADFORD ST BARRIE ON L4N3A9	PRT

Location ID: 1283
Type: retail
Expiry Date: 1995-12-31
Capacity (L): 90920
Licence #: 0023791001

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
73	10 of 10	SSW/158.5	222.8 / 2.05	TOM'S AUTO SERVICE 111 BRADFORD ST BARRIE ON L4N3A9	RST

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

Headcode: 1186800
Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas
Phone: 7057268511
List Name:
Description:

---

74 | **1 of 1** | **S/160.1** | **222.8 / 2.05** | **111 Bradford St**
Barrie ON | **EHS**

Order No: 20161216093
Status: C
Report Type: Standard Report
Report Date: 28-DEC-16
Date Received: 16-DEC-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.693374
Y: 44.381628

---

75 | **1 of 1** | **S/161.7** | **222.7 / 2.02** | **111 Bradford Street & 30 Victoria Street**
Barrie ON L4N 3A9 | **EHS**

Order No: 20190502134
Status: C
Report Type: Standard Report
Report Date: 09-MAY-19
Date Received: 02-MAY-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Title Searches

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -79.693306
Y: 44.381616

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76 | **1 of 1** | **NNE/163.1** | **220.8 / 0.09** | **Barrie ON** | **WWIS**

Well ID: 7231048
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z191729
Tag: A167637
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:
Date Received: 11/5/2014
Selected Flag: Yes
Abandonment Rec:
Contractor: 7282
Form Version: 7
Owner:
Street Name: 34 SIMCOE ROAD
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1005203841
DP2BR:
Spatial Status:
Code OB:

Elevation: 221.098648
Elevrc:
Zone: 17
East83: 604214

Code OB Desc:		***North83:***	4915661
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/11/2014	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005278312
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005278313
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	14
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005278320
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005278321
Layer:	2
Plug From:	1
Plug To:	4

Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005278322
Layer: 3
Plug From: 4
Plug To: 14
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1005278311
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005278316
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 4
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005278317
Layer: 1
Slot: 10
Screen Top Depth: 4
Screen End Depth: 14
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.4

Water Details

Water ID: 1005278315
Layer: 1
Kind Code:
Kind:
Water Found Depth: 4
Water Found Depth UOM: ft

Hole Diameter

Hole ID:	1005278314
Diameter:	8.25
Depth From:	0
Depth To:	14
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

77 **1 of 1** **ESE/163.3** **219.4 / -1.30** **ON** **WWIS**

Well ID:	5717577	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	9/22/1981
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	2801
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10395267	**Elevation:**	220.032745
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	604364.4
Code OB Desc:	Overburden	**North83:**	4915223
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	7/1/1981	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932329709
Layer:	4
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	81
Other Materials:	SANDY

Formation Top Depth: 70
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329711
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3: 73
Other Materials: HARD
Formation Top Depth: 87
Formation End Depth: 99
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329712
Layer: 7
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 29
Other Materials: FINE GRAVEL
Mat3: 81
Other Materials: SANDY
Formation Top Depth: 99
Formation End Depth: 126
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329717
Layer: 12
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 153
Formation End Depth: 157
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329716
Layer: 11
Color:
General Color:

Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 150
Formation End Depth: 153
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329718
Layer: 13
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 05
Other Materials: CLAY
Formation Top Depth: 157
Formation End Depth: 176
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329720
Layer: 15
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 184
Formation End Depth: 198
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329722
Layer: 17
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 84
Other Materials: SILTY
Mat3:
Other Materials:
Formation Top Depth: 220
Formation End Depth: 228
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	932329715
Layer:	10
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	148
Formation End Depth:	150
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329721
Layer:	16
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	06
Other Materials:	SILT
Formation Top Depth:	198
Formation End Depth:	220
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329714
Layer:	9
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	142
Formation End Depth:	148
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329713
Layer:	8
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	74
Other Materials:	LAYERED

Formation Top Depth: 126
Formation End Depth: 142
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329719
Layer: 14
Color:
General Color:
Mat1: 10
Most Common Material: COARSE SAND
Mat2: 05
Other Materials: CLAY
Mat3: 84
Other Materials: SILTY
Formation Top Depth: 176
Formation End Depth: 184
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329707
Layer: 2
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 06
Other Materials: SILT
Formation Top Depth: 14
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329706
Layer: 1
Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 14
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329708
Layer: 3
Color:
General Color:

Mat1:	28
Most Common Material:	SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	42
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329710
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Other Materials:	SILTY
Mat3:	
Other Materials:	
Formation Top Depth:	75
Formation End Depth:	87
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10943837
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930646172
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	150
Casing Diameter:	10
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930646173
Layer:	3
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	162

Casing Diameter: 8
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930646171
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 99
Casing Diameter: 12
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933370769
Layer: 1
Slot: 040
Screen Top Depth: 162
Screen End Depth: 202
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 8

Results of Well Yield Testing

Pump Test ID: 995717577
Pump Set At:
Static Level: 6
Final Level After Pumping: 18
Recommended Pump Depth:
Pumping Rate: 650
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 72
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934298375
Test Type: Draw Down
Test Duration: 15
Test Level: 8
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935088991
Test Type: Draw Down
Test Duration: 60
Test Level: 10
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934572807
Test Type:	Draw Down
Test Duration:	30
Test Level:	9
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934823777
Test Type:	Draw Down
Test Duration:	45
Test Level:	9
Test Level UOM:	ft

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78 | ***1 of 1*** | ***N/165.6*** | ***221.9 / 1.15*** | ***PUC***
25 TORONTO ST.
BARRIE CITY ON L4N 1T8 | ***SPL***

Ref No:	65166	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	//	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNKNOWN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	70101
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/11/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	BACKENTRY-PUC -FUEL SHEEN IN EXCAVATION, SOURCE UNKNOWN.		
Contaminant Qty:			

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79 | ***1 of 1*** | ***N/165.8*** | ***222.2 / 1.46*** | ***31B TORONTO STREET***
BARRIE ON L4N 1T8 | ***HINC***

External File Num:	FS INC 0612-04617
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	11/17/2006
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes

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

Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Simcoe
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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80 | **1 of 1** | **N/166.9** | **223.9 / 3.24** | **36 Toronto St, Barrie ON L4N1T9** | **EHS**

Order No: 20131015010
Status: C
Report Type: Standard Report
Report Date: 21-OCT-13
Date Received: 15-OCT-13
Previous Site Name: Barrie Native Friendship Centre / Sun Housing Corporation Rooming House
Lot/Building Size: 66'X100'
Additional Info Ordered:
Nearest Intersection:
Municipality: Barrie
Client Prov/State: ON
Search Radius (km): .25
X: -79.693159
Y: 44.386945

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81 | **1 of 1** | **NNE/167.5** | **220.8 / 0.09** | **34 Simcoe Street and 2 Mary Street, Barrie ON** | **EHS**

Order No: 20090108005
Status: C
Report Type: Custom Report
Report Date: 1/13/2009
Date Received: 1/8/2009
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.691601
Y: 44.386661

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82 | **1 of 8** | **SSE/167.8** | **220.8 / 0.12** | **37 Ellen Street, Barrie ON** | **EHS**

Order No: 20070312047
Status: C
Report Type: No Charge
Report Date: 12-MAR-07
Date Received: 12-MAR-07
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality: Simcoe
Client Prov/State: ON
Search Radius (km): .25
X:
Y:

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82 | **2 of 8** | **SSE/167.8** | **220.8 / 0.12** | **HASSEY MANAGEMENT CORP, 37 ELLEN STREET, BARRIE ON L4N 6G2** | **GEN**

Generator No: ON5190469
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 531310
SIC Description: REAL ESTATE PROPERTY MANAGERS
PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No Admin:

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

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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82 ***3 of 8*** ***SSE/167.8*** ***220.8 / 0.12*** ***SSCC 354***
37 ELLEN STREET
BARRIE ON L4N 6G2 ***GEN***

Generator No: ON5190469
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 531310
SIC Description: REAL ESTATE PROPERTY MANAGERS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Anett Bauer
Phone No Admin: 705-737-9596 Ext.308

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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82 ***4 of 8*** ***SSE/167.8*** ***220.8 / 0.12*** ***SSCC 354***
37 ELLEN STREET
BARRIE ON L4N 6G2 ***GEN***

Generator No: ON5190469
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 531310
SIC Description: REAL ESTATE PROPERTY MANAGERS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Anett Bauer
Phone No Admin: 705-737-9596 Ext.308

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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82 ***5 of 8*** ***SSE/167.8*** ***220.8 / 0.12*** ***37 ELLEN STREET***
BARRIE ON L4N 6G2 ***HINC***

External File Num: FS INC 0901-00374
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 1/21/2009
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: Yes
Property Damage: No
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes Training:No Management:No Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Simcoe
Approx. Quant. Rel:

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

Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

---

82 | ***6 of 8*** | ***SSE/167.8*** | ***220.8 / 0.12*** | ***Victoria Square Developments Inc.*** ***37 Ellen Street Barrie Ontario, L4N 6G2*** ***Barrie ON L4N 6G2*** | ***RSC***

RSC ID:	13100	***Cert Date:***	21-Feb-07
RA No:		***Cert Prop Use No:***	No
RSC Type:		***Intended Prop Use:***	Residential
Curr Property Use:	Industrial	***Qual Person Name:***	Mr. Joel Ross, Vice President
Ministry District:	BARRIE	***Stratified (Y/N):***	
Filing Date:	21-Mar-07	***Audit (Y/N):***	
Date Ack:		***Entire Leg Prop. (Y/N):***	Yes
Date Returned:		***Accuracy Estimate:***	0 to 1 meters
Restoration Type:		***Telephone:***	416-4419855
Soil Type:		***Fax:***	416-4410172
Criteria:		***Email:***	jross@windstarltd.com
CPU Issued Sect 1686:	Yes		
Asmt Roll No:			

Prop ID No (PIN): 58795-0162 (LT)
Property Municipal Address: 37 Ellen Street Barrie Ontario, L4N 6G2
Mailing Address: Suite 301, 220 DUNCAN MILL RD, TORONTO, ON, M3B 3J5
Latitude & Latitude: 44.38148680N 79.69205880W (converted from UTM)
UTM Coordinates: NAD83 17-604189-4915077
Consultant:
Filing Owner:
Legal Desc: Block A E/S Ellen St PL22 Barrie, Except PT 10 51R28486 & PTS 1 & 2 ON 51R32384; Barrie T/W Right of Way as set out in NO. SC339346
Measurement Method: Digitized from a map
Applicable Standards: Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use
RSC PDF:

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82 | ***7 of 8*** | ***SSE/167.8*** | ***220.8 / 0.12*** | ***Axmith & Company Ltd.*** ***37 Ellen St Suite 905*** ***Barrie ON L4N 6G2*** | ***SCT***

Established: 01-NOV-87
Plant Size (ft²):
Employment:

--Details--
Description: Other Specialized Design Services
SIC/NAICS Code: 541490

Description: Architectural Services
SIC/NAICS Code: 541310

---

82 | ***8 of 8*** | ***SSE/167.8*** | ***220.8 / 0.12*** | ***Enbridge Gas Distribution Inc.*** ***37 Ellen St.*** ***Barrie ON L4N 6G2*** | ***SPL***

Ref No:	6401-7NHUSH	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Pipeline

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

Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Air Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	No Field Response	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	1/21/2009	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Air Spills - Gases and Vapours
Incident Reason:	Equipment/Vehicles	**Source Type:**	
Site Name:	construction site<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA/MOE: natural gas 2 inch riser sheared		
Contaminant Qty:	0 other - see incident description		

---

83 ***1 of 7*** ***NNE/171.6*** ***220.8 / 0.09*** ***The Corporation of The City of Barrie*** ***GEN***
34 Simcoe Street
Barrie ON L4N 6T4

Generator No:	ON6118900	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jul 2019	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)

---

83 ***2 of 7*** ***NNE/171.6*** ***220.8 / 0.09*** ***Golfside Construction Limited*** ***GEN***
34 Simcoe Street
Barrie ON

Generator No:	ON9406912	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2013	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	236210		
SIC Description:	INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION		

Detail(s)

Waste Class:	221
Waste Class Desc:	LIGHT FUELS

---

83 ***3 of 7*** ***NNE/171.6*** ***220.8 / 0.09*** ***The Corporation of The City of Barrie*** ***GEN***
34 Simcoe Street
Barrie ON L4N 6T4

Generator No:	ON6118900	**PO Box No:**	
Status:	Registered	**Country:**	Canada

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

Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

---

83 **4 of 7** **NNE/171.6** **220.8 / 0.09** **GEN**

Golfside Construction Limited
34 Simcoe Street
Barrie ON L4N 6T4

Generator No: ON9406912
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 236210
SIC Description: INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION
PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Michelle Portch
Phone No Admin: 905-415-2632 Ext.228

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

---

83 **5 of 7** **NNE/171.6** **220.8 / 0.09** **GEN**

The Corporation of The City of Barrie
34 Simcoe Street
Barrie ON L4N 6T4

Generator No: ON6118900
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150
PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Jessica Fradley
Phone No Admin: 705-739-4220 Ext.5821

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

---

83 **6 of 7** **NNE/171.6** **220.8 / 0.09** **SPL**

The Corporation of the City of Barrie
34 Simcoe St
Barrie ON NA

Ref No: 8885-ATMP24
Site No: 6146-94QQ24
Incident Dt: 2017/12/01
Year:
Incident Cause:
Incident Event: Unknown / N/A
Contaminant Code: 13
Contaminant Name: HYDROCARBON LIGHT
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Environment Impact:
Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type: Municipal Government
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: 34 Simcoe St
Site District Office: Barrie
Site Postal Code: NA
Site Region: Central
Site Municipality: Barrie

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

Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	NA
Receiving Env:	Surface Water; Source Water Zone	**Northing:**	NA
MOE Response:	No	**Easting:**	NA
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	NA
MOE Reported Dt:	2017/12/01	**Site Map Datum:**	NA
Dt Document Closed:	2018/01/05	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Unknown / N/A	**Source Type:**	Unknown / N/A
Site Name:	34 Simcoe		
Site County/District:	County of Simcoe		
Site Geo Ref Meth:	NA		
Incident Summary:	City of Barrie: Kidds Creek on-going issue - sheen observed		
Contaminant Qty:	0 other - see incident description		

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83 | ***7 of 7*** | ***NNE/171.6*** | ***220.8 / 0.09*** | ***The Corporation of the City of Barrie; Golfside Construction Ltd.***
Toronto St and Marina; 34 Simcoe St
Barrie; Barrie ON | ***SPL***

Ref No:	6720-8WZJFQ	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	09-AUG-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	HYDROCARBON LIGHT	**Site Address:**	Toronto St and Marina; 34 Simcoe St
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie; Barrie
Nature of Impact:	Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	NA
MOE Response:		**Easting:**	NA
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	NA
MOE Reported Dt:	09-AUG-12	**Site Map Datum:**	NA
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Other - Reason not otherwise defined	**Source Type:**	
Site Name:	Kidd Creek<UNOFFICIAL>; 34 Simcoe		
Site County/District:			
Site Geo Ref Meth:	NA		
Incident Summary:	Kidd Creek: Hydrocarbon Sheen, ongng issue		
Contaminant Qty:	0 other - see incident description		

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84 | ***1 of 1*** | ***N/174.9*** | ***222.9 / 2.18*** | ***33 TORONTO STREET***
BARRIE ON L4N 1T8 | ***HINC***

External File Num:	FS INC 0612-04560
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	11/15/2006
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel

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

Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Simcoe
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

---

85 | **1 of 3** | **NNW/176.3** | **223.9 / 3.15** | **11 High St.**
Barrie ON L4N 1V9 | **EHS**

Order No: 20071210021
Status: C
Report Type: CAN - Complete Report
Report Date: 12/14/2007
Date Received: 12/10/2007
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Title Search

Nearest Intersection:
Municipality:
Client Prov/State:
Search Radius (km): 0.25
X: -79.692715
Y: 44.385967

---

85 | **2 of 3** | **NNW/176.3** | **223.9 / 3.15** | **Painters Supply & Equipment (Canada) Inc.**
11 High Street
Barrie ON L4N 1V9 | **GEN**

Generator No: ON3447810
Status:
Approval Years: 03,04,05,06
Contam. Facility:
MHSW Facility:
SIC Code: 811121
SIC Description: Automotive Body, Paint & Interior R&M

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

---

85 | **3 of 3** | **NNW/176.3** | **223.9 / 3.15** | **CARQUEST AUTOMOTIVE FINISHES CANADA LTD**
11 HIGH STREET
BARRIE ON L4N 1V9 | **GEN**

Generator No: ON3447810
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 418990
SIC Description: All Other Wholesaler-Distributors

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

---

86 | **1 of 1** | **SW/177.6** | **223.6 / 2.88** | **ON** | **WWIS**

Well ID:	7180078	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	4/26/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7282
Casing Material:		**Form Version:**	7
Audit No:	Z125502	**Owner:**	
Tag:	A120807	**Street Name:**	CITY OF BARRIE RD ALLOWANCE
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1003714925	**Elevation:**	224.652938
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603906
Code OB Desc:		**North83:**	4915157
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	1/26/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004291475
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004291476
Layer:	2
Color:	8
General Color:	BLACK

Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1
Formation End Depth:	17.5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1004291483
Layer:	1
Plug From:	0
Plug To:	7
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1004291474
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004291479
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	7.5
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004291480
Layer:	1
Slot:	10
Screen Top Depth:	7.5
Screen End Depth:	17.5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.4

Hole Diameter

Hole ID:	1004291477

Diameter: 8
Depth From: 0
Depth To: 17.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

87 | **1 of 1** | **N/180.1** | **222.9 / 2.18** | **The Corporation of the City of Barrie**
No 28 - No 48 Toronto Street No 34 Simcoe Street
Barrie ON | **CA**

Certificate #: 3481-6RPL8M
Application Year: 2006
Issue Date: 7/20/2006
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:

---

88 | **1 of 1** | **SSE/181.4** | **221.6 / 0.87** | **BARRIE ON** | **WWIS**

Well ID: 5739445
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z16426
Tag: A015592
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:
Date Received: 1/5/2005
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 3
Owner:
Street Name: 37 ELLEN STREET
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11328712
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 9/27/2004
Remarks:
Elevrc Desc:
Location Source Date:

Elevation: 222.197219
Elevrc:
Zone: 17
East83: 604207
North83: 4915088
Org CS: UTM83
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: wwr

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment Sealing Record

Plug ID: 933285662
Layer: 2
Plug From: 1
Plug To: 11
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933285661
Layer: 1
Plug From: 1
Plug To: 0
Plug Depth UOM: m

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11343567
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930868863
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 1
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933416576
Layer: 1
Slot: 010
Screen Top Depth: 1
Screen End Depth: 11
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1

Hole Diameter

Hole ID:	11545431
Diameter:	3
Depth From:	0
Depth To:	11
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

89 ***1 of 1*** ***N/182.7*** ***222.9 / 2.18*** ***35 TORONTO STREET BARRIE ON L4N 1T8*** ***HINC***

External File Num:	FS INC 0612-04618
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	11/17/2006
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	No
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Simcoe
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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90 ***1 of 1*** ***NW/183.1*** ***224.9 / 4.15*** ***BARRIE ON*** ***WWIS***

Well ID:	7299289	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	11/17/2017
Sec. Water Use:	Monitoring	***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7190
Casing Material:		***Form Version:***	7
Audit No:	Z271508	***Owner:***	
Tag:	A229655	***Street Name:***	125 DUNLOP STREET WEST
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1006803285	**Elevation:**	225.743011
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603962
Code OB Desc:		**North83:**	4915630
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/1/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007032205
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007032206
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	20
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032214
Layer:	1
Plug From:	20
Plug To:	9
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007032215
Layer: 2
Plug From: 9
Plug To: 0
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1007032203
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007032209
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 10
Depth To: 0
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007032210
Layer: 1
Slot:
Screen Top Depth: 20
Screen End Depth: 10
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 1007032204
Pump Set At:
Static Level: 10
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:

Flowing:

Water Details

Water ID: 1007032208
Layer: 1
Kind Code:
Kind:
Water Found Depth: 10
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007032207
Diameter: 8.5
Depth From: 0
Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

91 ***1 of 1*** ***W/190.8*** ***225.9 / 5.15*** ***BARRIE ON*** ***WWIS***

Well ID: 7299287
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z271510
Tag: A229653
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:
Date Received: 11/17/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7190
Form Version: 7
Owner:
Street Name: 125 DUNLOP STREET WEST
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006803276
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 9/1/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 225.566909
Elevrc:
Zone: 17
East83: 603856
North83: 4915412
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID:	1007032122
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	1
Formation End Depth:	17.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007032121
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032130
Layer:	1
Plug From:	17.5
Plug To:	7.5
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032132
Layer:	3
Plug From:	3
Plug To:	0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032131
Layer:	2
Plug From:	7.5
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 1007032119
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007032126
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 3
Depth To: 0
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1007032125
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 7.5
Depth To: 0
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007032127
Layer: 1
Slot:
Screen Top Depth: 17.5
Screen End Depth: 7.5
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 1007032120
Pump Set At:
Static Level: 11
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Water Details

Water ID: 1007032124
Layer: 1
Kind Code:
Kind:
Water Found Depth: 11
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007032123
Diameter: 8.5
Depth From: 0
Depth To: 17.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

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92 | **1 of 1** | **S/192.9** | **221.6 / 0.85** | **P.U.C. BARRIE ELLEN ST./VICTORIA ST. BARRIE CITY ON** | **CA**

Certificate #: 7-0741-90-
Application Year: 90
Issue Date: 5/24/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

93 | **1 of 1** | **NNW/195.0** | **224.9 / 4.24** | **12? Bradford St Barrie ON** | **SPL**

Ref No: 7747-5R9S2K
Site No:
Incident Dt: 9/10/2003
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Possible
Nature of Impact: Other Impact(s)
Receiving Medium: Water
Receiving Env:
MOE Response:

Discharger Report:
Material Group: Waste
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Barrie
Site Postal Code:
Site Region: Southwestern
Site Municipality: Barrie
Site Lot:
Site Conc:
Northing:
Easting:

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

Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	9/10/2003	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Spills
Incident Reason:	Unknown - Reason not determined	**Source Type:**	
Site Name:	BARRIE CENTRAL COLLEGIATE HIGH SCHOOL<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie Cent HS- sewage to cb, contained,Works		
Contaminant Qty:			

94 | ***1 of 1*** | ***NNW/196.6*** | ***224.9 / 4.15*** | ***LEADING EDGE GRAPHICS
14 HIGH STREET SUITE 300
BARRIE ON L4N 1W1*** | ***GEN***

Generator No:	ON1958601	**PO Box No:**	
Status:		**Country:**	
Approval Years:	95,96,97,98	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	2821		
SIC Description:	PLATEMAKING, ETC.		

Detail(s)

Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES

95 | ***1 of 1*** | ***NNE/200.1*** | ***220.5 / -0.18*** | ***BARRIE CITY - PT.LOTS 41&44,LOTS 42 & 49
MARY ST./SIMCOE ST.
BARRIE CITY ON*** | ***CA***

Certificate #:	3-1639-91-
Application Year:	91
Issue Date:	11/1/1991
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

96 | ***1 of 1*** | ***NNW/204.0*** | ***224.9 / 4.24*** | ***City of Barrie
15 High Street
Barrie ON L4N 1V9*** | ***GEN***

Generator No:	ON5800214	**PO Box No:**	
Status:		**Country:**	
Approval Years:	06	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	811111		
SIC Description:	General Automotive Repair		

Detail(s)

Waste Class:	251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

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97 | **1 of 1** | **NNW/206.4** | **224.9 / 4.15** | **lot 24 con 5 Barrie ON** | **WWIS**

Well ID:	7297315	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	10/16/2017
Sec. Water Use:	Test Hole	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7320
Casing Material:		**Form Version:**	7
Audit No:	Z272026	**Owner:**	
Tag:	A234430	**Street Name:**	125 DUNLOP ST WEST
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	024
Well Depth:		**Concession:**	05
Overburden/Bedrock:		**Concession Name:**	CON
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:	1006765859	**Elevation:**	225.142959
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603959
Code OB Desc:		**North83:**	4915657
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/19/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	cnrev
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006940980
Layer:	4
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	12.2
Formation End Depth:	15.2
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006940977
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	3.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006940978
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	04
Most Common Material:	PEAT
Mat2:	35
Other Materials:	WOOD FRAGMENTS
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	3.1
Formation End Depth:	8.2
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006940979
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	8.2
Formation End Depth:	12.2
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006940990
Layer:	4
Plug From:	12.8
Plug To:	13.4
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1006940988
Layer: 2
Plug From: 0.3
Plug To: 1.6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006940989
Layer: 3
Plug From: 1.6
Plug To: 12.8
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006940987
Layer: 1
Plug From: 0
Plug To: 0.3
Plug Depth UOM: m

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1006940976
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006940983
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 13.7
Casing Diameter: 5.1
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006940984
Layer: 1
Slot: .01
Screen Top Depth: 13.7
Screen End Depth: 15.2
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm

Screen Diameter: 6.1

Water Details

Water ID: 1006940982
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 3.6
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006940981
Diameter: 21
Depth From: 0
Depth To: 15.2
Hole Depth UOM: m
Hole Diameter UOM: cm

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98 | 1 of 1 | NNW/209.1 | 224.9 / 4.15 | BARRIE ON | WWIS

Well ID: 7299290
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use: Monitoring
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z271507
Tag: A229656
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:
Date Received: 11/17/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 7190
Form Version: 7
Owner:
Street Name: 125 DUNLOP STREET WEST
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006803291
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 9/1/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 225.085006
Elevrc:
Zone: 17
East83: 603957
North83: 4915659
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID:	1007032271
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007032272
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	15
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032281
Layer:	1
Plug From:	15
Plug To:	4
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032282
Layer:	2
Plug From:	4
Plug To:	0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007032283
Layer:	3
Plug From:	3
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 1007032269
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007032275
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 5
Depth To: 0
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1007032276
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From: 3
Depth To: 0
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007032277
Layer: 1
Slot:
Screen Top Depth: 15
Screen End Depth: 5
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2

Results of Well Yield Testing

Pump Test ID: 1007032270
Pump Set At:
Static Level: 10
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1007032274
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	10
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007032273
Diameter:	8.5
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

99 ***1 of 1*** ***SW/211.1*** ***224.6 / 3.85*** ***ON*** ***WWIS***

Well ID:	7197569	***Data Entry Status:***	Yes
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	2/19/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	7282
Casing Material:		***Form Version:***	8
Audit No:	C20704	***Owner:***	
Tag:	A143838	***Street Name:***	
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1004255971	***Elevation:***	224.909332
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	603876
Code OB Desc:		***North83:***	4915142
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/12/2012	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

---

100 | ***1 of 1*** | ***SE/212.7*** | ***219.9 / -0.82*** | ***lot 24 ON*** | ***WWIS***

Well ID:	5736742	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	3/26/2002
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	
Water Type:		***Contractor:***	2801
Casing Material:		***Form Version:***	1
Audit No:	232051	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	024
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:	10527754	***Elevation:***	220.759979
DP2BR:	246	***Elevrc:***	
Spatial Status:	Improved	***Zone:***	17
Code OB:	h	***East83:***	604384
Code OB Desc:	Mixed in a Layer	***North83:***	4915176
Open Hole:		***Org CS:***	N83
Cluster Kind:		***UTMRC:***	3
Date Completed:	3/26/2002	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project		
Improvement Location Method:	GIS10000		
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.		
Supplier Comment:	Accuracy was not specified from source. Within 20m horizontal accuracy assumed as worst case using GIS at a scale of 1:10000.		

Overburden and Bedrock Materials Interval

Formation ID:	932871210
Layer:	7
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	210
Formation End Depth:	246

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932871209
Layer: 6
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 33
Other Materials: MARL
Formation Top Depth: 192
Formation End Depth: 210
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932871212
Layer: 9
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 251
Formation End Depth: 255
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932871211
Layer: 8
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3: 33
Other Materials: MARL
Formation Top Depth: 246
Formation End Depth: 251
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932871205
Layer: 2
Color:
General Color:
Mat1: 28
Most Common Material: SAND

Mat2: 06
Other Materials: SILT
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 66
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932871204
Layer: 1
Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932871213
Layer: 10
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 255
Formation End Depth: 261
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932871208
Layer: 5
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 171
Formation End Depth: 192
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932871207
Layer:	4
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	33
Other Materials:	MARL
Formation Top Depth:	160
Formation End Depth:	171
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932871206
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Other Materials:	SILTY
Mat3:	
Other Materials:	
Formation Top Depth:	66
Formation End Depth:	160
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933228572
Layer:	1
Plug From:	3
Plug To:	104
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933228573
Layer:	2
Plug From:	104
Plug To:	261
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	11076324
Casing No:	1
Comment:	

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

101 | **1 of 1** | **NNW/214.0** | **223.9 / 3.15** | **Barrie Denture Clinic**
5 Bradford St
Barrie ON L4N 3A6 | **SCT**

Established: 01-JUN-97
Plant Size (ft²):
Employment:

--Details--
Description: Offices of All Other Health Practitioners
SIC/NAICS Code: 621390

Description: Medical Equipment and Supplies Manufacturing
SIC/NAICS Code: 339110

---

102 | **1 of 1** | **NNW/221.1** | **223.8 / 3.10** | **The Corporation of the City of Barrie**
15-39 High Street, Simcoe Street & 2-28 Toronto Street
Barrie ON | **CA**

Certificate #: 5461-6GMQHL
Application Year: 2005
Issue Date: 9/28/2005
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:

---

103 | **1 of 1** | **SSW/221.6** | **225.0 / 4.30** | **120 Bradford Inc.**
120 Bradford St
Barrie ON L4N 3B3 | **ECA**

Approval No: 9572-A3RLJF
Approval Date: 2016-02-18
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Lakes Simcoe and Couchiching/Black River
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Address: 120 Bradford St
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3449-9X5HW3-14.pdf

MOE District: Barrie
City:
Longitude: -79.69362
Latitude: 44.381294
Geometry X:
Geometry Y:

---

104 | **1 of 10** | **SSE/221.7** | **221.9 / 1.15** | **Sacksen Medicine Prof. Corp**
11 Victoria St. Unit B1
Barrie ON L4N 6T3 | **GEN**

Generator No: ON6349136
Status:
Approval Years: 2010

PO Box No:
Country:
Choice of Contact:

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

Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 621110
SIC Description: Offices of Physicians

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

104 ***2 of 10*** ***SSE/221.7*** ***221.9 / 1.15*** ***Lakeshore Family Medicine*** ***GEN***
216-11 Victoria St.
Barrie ON L4N 6T3

Generator No: ON3073388 ***PO Box No:***
Status: ***Country:*** Canada
Approval Years: 2016 ***Choice of Contact:*** CO_OFFICIAL
Contam. Facility: No ***Co Admin:*** Kathleen Carpenter
MHSW Facility: No ***Phone No Admin:*** 705-503-4111 Ext.
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

---

104 ***3 of 10*** ***SSE/221.7*** ***221.9 / 1.15*** ***Lakeshore Family Medicine*** ***GEN***
216-11 Victoria St.
Barrie ON L4N 6T3

Generator No: ON3073388 ***PO Box No:***
Status: Registered ***Country:*** Canada
Approval Years: As of Jul 2019 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

104 ***4 of 10*** ***SSE/221.7*** ***221.9 / 1.15*** ***Lakeshore Family Medicine*** ***GEN***
216-11 Victoria St.
Barrie ON L4N 6T3

Generator No: ON3073388 ***PO Box No:***
Status: ***Country:*** Canada
Approval Years: 2015 ***Choice of Contact:*** CO_OFFICIAL
Contam. Facility: No ***Co Admin:*** Kathleen Carpenter
MHSW Facility: No ***Phone No Admin:*** 705-503-4111 Ext.
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

---

104 ***5 of 10*** ***SSE/221.7*** ***221.9 / 1.15*** ***Resolution Management Inc*** ***GEN***
11 Victoria Street Suite 218
Barrie ON L4N 6T3

Generator No: ON3844318
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

104 ***6 of 10*** ***SSE/221.7*** ***221.9 / 1.15*** ***Resolution Management Inc*** ***GEN***
11 Victoria Street Suite 218
Barrie ON L4N 6T3

Generator No: ON3844318
Status: Registered
Approval Years: As of Jul 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

104 ***7 of 10*** ***SSE/221.7*** ***221.9 / 1.15*** ***Resolution Management Inc*** ***GEN***
11 Victoria Street Suite 218
Barrie ON L4N 6T3

Generator No: ON3844318
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Jenny Charlesworth
Phone No Admin: 7052525200 Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
104	8 of 10	SSE/221.7	221.9 / 1.15	Lakeshore Family Medicine 216-11 Victoria St. Barrie ON L4N 6T3	GEN

Generator No: ON3073388
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Kathleen Carpenter
Phone No Admin: 705-503-4111 Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
104	9 of 10	SSE/221.7	221.9 / 1.15	Resolution Management Inc 11 Victoria Street Suite 218 Barrie ON L4N 6T3	GEN

Generator No: ON3844318
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Jenny Charlesworth
Phone No Admin: 7052525200 Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
104	10 of 10	SSE/221.7	221.9 / 1.15	Lakeshore Family Medicine 216-11 Victoria St. Barrie ON L4N 6T3	GEN

Generator No: ON3073388
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
105	1 of 1	N/222.9	222.2 / 1.46	26 Mary Street Barrie ON L4N 1S8	EHS

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

Order No:	20170120020	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	No Charge	**Client Prov/State:**	ON
Report Date:	20-JAN-17	**Search Radius (km):**	.25
Date Received:	20-JAN-17	**X:**	-79.691966
Previous Site Name:		**Y:**	44.387421
Lot/Building Size:			
Additional Info Ordered:			

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106 | **1 of 2** | **N/224.2** | **223.1 / 2.37** | **The Corporation of the City of Barrie**
No 28 - No 48 Toronto Street No 34 Simcoe Street
Barrie ON L4M 4T5 | **ECA**

Approval No:	1097-6RPL85	**MOE District:**	Barrie
Approval Date:	2006-07-20	**City:**	
Status:	Approved	**Longitude:**	-79.68474599999999
Record Type:	ECA	**Latitude:**	44.389927
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Lakes Simcoe and Couchiching/Black River	**Geometry Y:**	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Address:	No 28 - No 48 Toronto Street No 34 Simcoe Street		
Full Address:			
Full PDF Link:			

---

106 | **2 of 2** | **N/224.2** | **223.1 / 2.37** | **The Corporation of the City of Barrie**
No 28 - No 48 Toronto Street No 34 Simcoe Street
Barrie ON L4M 4T5 | **ECA**

Approval No:	3481-6RPL8M	**MOE District:**	Barrie
Approval Date:	2006-07-20	**City:**	
Status:	Revoked and/or Replaced	**Longitude:**	-79.68474599999999
Record Type:	ECA	**Latitude:**	44.389927
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Lakes Simcoe and Couchiching/Black River	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	No 28 - No 48 Toronto Street No 34 Simcoe Street		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2934-6Q4HC8-14.pdf		

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107 | **1 of 2** | **SW/228.0** | **224.9 / 4.15** | **Barrie ON** | **WWIS**

Well ID:	7174734	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	1/10/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7282
Casing Material:		**Form Version:**	7
Audit No:	Z125511	**Owner:**	
Tag:	A045946	**Street Name:**	65 VESPRA STREET
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003630833
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/4/2011
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 225.142761
Elevrc:
Zone: 17
East83: 603883
North83: 4915103
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1004071433
Layer: 2
Plug From: 0.2
Plug To: 6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004071432
Layer: 1
Plug From: 0
Plug To: 0.2
Plug Depth UOM: m

Pipe Information

Pipe ID: 1004071425
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004071429
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID:	1004071430
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Hole Diameter

Hole ID:	1004071427
Diameter:	20.9
Depth From:	0
Depth To:	6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

107 ***2 of 2*** ***SW/228.0*** ***224.9 / 4.15*** ***Barrie ON*** ***WWIS***

Well ID:	7174710	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	1/9/2012
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7282
Casing Material:		***Form Version:***	7
Audit No:	Z125510	***Owner:***	
Tag:		***Street Name:***	65 VESPRA STREET
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1003630718	***Elevation:***	225.142761
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	603883
Code OB Desc:		***North83:***	4915103
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/4/2011	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004062915
Layer:	1
Plug From:	0
Plug To:	2
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004062916
Layer:	2
Plug From:	2
Plug To:	12
Plug Depth UOM:	m

Pipe Information

Pipe ID:	1004062908
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004062912
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004062913
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Hole Diameter

Hole ID:	1004062910
Diameter:	20.9
Depth From:	0
Depth To:	6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
108	1 of 1	SSW/229.5	225.0 / 4.30	BARRIE ON	WWIS

Well ID: 7274297
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z230486
Tag: A210326
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:
Date Received: 11/2/2016
Selected Flag: Yes
Abandonment Rec:
Contractor: 7360
Form Version: 7
Owner:
Street Name: 120 BRADFORD STREET
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006286445
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/4/2016
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 225.062698
Elevrc:
Zone: 17
East83: 604022
North83: 4915023
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006388694
Layer: 1
Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006388695

Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006388696
Layer:	3
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	91
Other Materials:	WATER-BEARING
Formation Top Depth:	10
Formation End Depth:	20
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006388703
Layer:	1
Plug From:	8
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1006388693
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006388699
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	10

Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006388700
Layer: 1
Slot: 10
Screen Top Depth: 10
Screen End Depth: 15
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.5

Water Details

Water ID: 1006388698
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 11
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006388697
Diameter: 6
Depth From: 0
Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

109 | ***1 of 1*** | ***SSE/229.5*** | ***221.9 / 1.15*** | ***11 Victoria Street Barrie ON L4N 6T3*** | ***EHS***

Order No: 20100416018
Status: C
Report Type: Standard Report
Report Date: 4/26/2010
Date Received: 4/16/2010
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality: Simcoe County, City of Barrie
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.691386
Y: 44.38123

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110 | ***1 of 2*** | ***NNE/230.8*** | ***221.9 / 1.21*** | ***VALLEY (OUT OF BUSINESS) 40-119 GARAGE 19 MARY STREET BARRIE ON L4N 1S9*** | ***GEN***

Generator No: ON0821000
Status:
Approval Years: 92,93,94,95,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 4573
SIC Description: SCHOOL BUS OPER.

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

Detail(s)

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

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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110 **2 of 2** **NNE/230.8** **221.9 / 1.21** **VALLEY BUS LINES (BARRIE) LTD.**
GARAGE 19 MARY STREET
BARRIE ON L4N 1S9 **GEN**

Generator No: ON0821000
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 4573
SIC Description: SCHOOL BUS OPER.

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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111 **1 of 1** **S/232.5** **223.0 / 2.31** **Owen Signcraft Limited**
48 Ellen St
Barrie ON L4N 3A4 **SCT**

Established: 01-JUL-55
Plant Size (ft²): 3000
Employment:

--Details--
Description: Other Management Consulting Services
SIC/NAICS Code: 541619

Description: Other Printing
SIC/NAICS Code: 323119

Description: Display Advertising
SIC/NAICS Code: 541850

Description: Sign Manufacturing
SIC/NAICS Code: 339950

Description: Computer Systems Design and Related Services
SIC/NAICS Code: 541510

Description: Graphic Design Services
SIC/NAICS Code: 541430

Description: Sign Manufacturing
SIC/NAICS Code: 339950

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112 **1 of 1** **NNW/233.5** **224.9 / 4.15** **35-39 High Street**
Barrie ON L4N 1W2 **EHS**

Order No: 20010723006
Status: C
Report Type: Site Report
Report Date: 7/25/01
Date Received: 7/23/01
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection: Bradford Street
Municipality: City of Barrie, County of Simcoe
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.693666
Y: 44.386604

113 **1 of 1** **SE/233.8** **219.7 / -1.02** **ON** **WWIS**

Well ID:	5717579	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	9/22/1981
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	2801
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10395269	**Elevation:**	219.690826
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	604414.4
Code OB Desc:	Overburden	**North83:**	4915173
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	4/29/1981	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932329739
Layer:	9
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	155
Formation End Depth:	157
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	932329746
Layer:	16
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	282
Formation End Depth:	295
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329732
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Other Materials:	GRAVEL
Mat3:	84
Other Materials:	SILTY
Formation Top Depth:	16
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329741
Layer:	11
Color:	
General Color:	
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	84
Other Materials:	SILTY
Mat3:	
Other Materials:	
Formation Top Depth:	175
Formation End Depth:	182
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329734
Layer:	4
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	84
Other Materials:	SILTY

Formation Top Depth: 38
Formation End Depth: 71
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329735
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 29
Other Materials: FINE GRAVEL
Mat3: 84
Other Materials: SILTY
Formation Top Depth: 71
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329731
Layer: 1
Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329743
Layer: 13
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 05
Other Materials: CLAY
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 222
Formation End Depth: 243
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329745
Layer: 15
Color:
General Color:

Mat1: 28
Most Common Material: SAND
Mat2: 29
Other Materials: FINE GRAVEL
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 274
Formation End Depth: 282
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329742
Layer: 12
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 182
Formation End Depth: 222
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329736
Layer: 6
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 05
Other Materials: CLAY
Mat3: 28
Other Materials: SAND
Formation Top Depth: 85
Formation End Depth: 104
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932329737
Layer: 7
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 29
Other Materials: FINE GRAVEL
Mat3: 84
Other Materials: SILTY
Formation Top Depth: 104
Formation End Depth: 147
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	932329740
Layer:	10
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	13
Other Materials:	BOULDERS
Formation Top Depth:	157
Formation End Depth:	175
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329744
Layer:	14
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Other Materials:	SILTY
Mat3:	
Other Materials:	
Formation Top Depth:	243
Formation End Depth:	274
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329733
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	06
Other Materials:	SILT
Mat3:	08
Other Materials:	FINE SAND
Formation Top Depth:	28
Formation End Depth:	38
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932329738
Layer:	8
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	13
Other Materials:	BOULDERS

Formation Top Depth: 147
Formation End Depth: 155
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10943839
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930646175
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 210
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930646174
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 103
Casing Diameter: 10
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933370770
Layer: 1
Slot: 020
Screen Top Depth: 210
Screen End Depth: 220
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.25

Results of Well Yield Testing

Pump Test ID: 995717579
Pump Set At:
Static Level: 6
Final Level After Pumping:

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

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114 ***1 of 2*** ***NNE/239.2*** ***221.9 / 1.21*** ***13 Mary Street Barrie ON*** ***CA***

Certificate #: 5432-4KEL8A
Application Year: 00
Issue Date: 6/7/00
Approval Type: Industrial sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Barrie Public Utilities Commission
Client Address: 55 Patterson Road, Box 7000
Client City: Barrie
Client Postal Code: L4M 4V8
Project Description: To design, construct, operate and maintain twin stormwater discharge and spill containment systems.
Contaminants:
Emission Control:

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114 ***2 of 2*** ***NNE/239.2*** ***221.9 / 1.21*** ***Barrie Public Utilities Commission 13 Mary Street Barrie ON L4M 4V8*** ***ECA***

Approval No: 5432-4KEL8A
Approval Date: 2000-06-07
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Lakes Simcoe and Couchiching/Black River
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Address: 13 Mary Street
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7417-4KCH9X-14.pdf

MOE District: Barrie
City:
Longitude: -79.691025
Latitude: 44.386936
Geometry X:
Geometry Y:

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115 ***1 of 1*** ***SSW/241.7*** ***224.8 / 4.13*** ***ON*** ***WWIS***

Well ID: 7211329
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: C23161
Tag: A152053
Construction Method:
Elevation (m):
Elevation Reliability:

Data Entry Status: Yes
Data Src:
Date Received: 11/19/2013
Selected Flag: Yes
Abandonment Rec:
Contractor: 7215
Form Version: 8
Owner:
Street Name:
County: SIMCOE
Municipality: BARRIE CITY (VESPRA)
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:	1004640098	**Elevation:**	225.082489
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	604014
Code OB Desc:		**North83:**	4915012
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	9/7/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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116 ***1 of 1*** ***WSW/243.4*** ***222.9 / 2.23*** ***ON*** ***WWIS***

Well ID:	7180074	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	4/26/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7282
Casing Material:		**Form Version:**	7
Audit No:	Z125501	**Owner:**	
Tag:	A120774	**Street Name:**	BARRIE RD ALLOWANCE
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1003714913	**Elevation:**	223.722991
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603821
Code OB Desc:		**North83:**	4915192
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	2/2/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			

Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1004291430
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 1
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004291429
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 28
Other Materials: SAND
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1004291431
Layer: 3
Color: 8
General Color: BLACK
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 5
Formation End Depth: 17
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004291438
Layer: 1

Plug From: 0
Plug To: 11.5
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 1004291428
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004291434
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 12
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004291435
Layer: 1
Slot: 10
Screen Top Depth: 12
Screen End Depth: 17
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.4

Hole Diameter

Hole ID: 1004291432
Diameter: 8
Depth From: 0
Depth To: 17
Hole Depth UOM: ft
Hole Diameter UOM: inch

117 ***1 of 2*** ***SW/243.7*** ***224.9 / 4.15*** ***Barrie ON*** ***WWIS***

Well ID: 7174733
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Data Entry Status:
Data Src:
Date Received: 1/10/2012
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7282

Casing Material:		***Form Version:***	7
Audit No:	Z125508	***Owner:***	
Tag:	A045976	***Street Name:***	65 VESPRA STREET
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1003630831	***Elevation:***	225.202835
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	603870
Code OB Desc:		***North83:***	4915094
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/3/2011	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004071424
Layer:	2
Plug From:	2
Plug To:	59
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004071423
Layer:	1
Plug From:	0
Plug To:	2
Plug Depth UOM:	m

Pipe Information

Pipe ID:	1004071416
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004071420
Layer:	

Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004071421
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Hole Diameter

Hole ID: 1004071418
Diameter: 20.9
Depth From: 0
Depth To: 2
Hole Depth UOM: m
Hole Diameter UOM: cm

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117 **2 of 2** **SW/243.7** **224.9 / 4.15** **Barrie ON** **WWIS**

Well ID:	7174732	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	1/10/2012
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7282
Casing Material:		***Form Version:***	7
Audit No:	Z125509	***Owner:***	
Tag:	A045974	***Street Name:***	65 VESPRA STREET
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	BARRIE CITY (VESPRA)
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:	1003634360	***Elevation:***	225.202835
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	603870
Code OB Desc:		***North83:***	4915094
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4

Date Completed: 11/3/2011
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1004067080
Layer: 2
Plug From: 2
Plug To: 75
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004067079
Layer: 1
Plug From: 0
Plug To: 2
Plug Depth UOM: m

Pipe Information

Pipe ID: 1004067072
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004067076
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004067077
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Hole Diameter

Hole ID: 1004067074

Diameter:
Depth From: 0
Depth To: 2
Hole Depth UOM: m
Hole Diameter UOM: cm

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118 ***1 of 2*** ***WSW/244.0*** ***223.2 / 2.45*** ***Vespra & Brantford St Dump*** ***ANDR***

Barrie ON L4N

Legal Description: Vespra
Location Description: Vespra & Brantford St
Municipality: Barrie City
Current Municipality: Barrie City
RM: Simcoe County
Facility: Dump
Date Active: -1964
Date Begun:
Date Complete: 1964
Area (Ha):
Landfill Type:
Group Name:
Operated By:
Serial: MOEE 4107
NTS: 31D05
Diameter (m):

Historical Summary:

Listed in Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093

Waste Type:
UTM X Nad 27: 603800
UTM Y Nad 27: 4915050
UTM Zone: 17

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118 ***2 of 2*** ***WSW/244.0*** ***223.2 / 2.45*** ***Vespra & Innisfil Dump II*** ***ANDR***

Barrie ON L4N

Legal Description: Vespra
Location Description: Vespra & Innisfil Sts
Municipality: Barrie City
Current Municipality: Barrie City
RM: Simcoe County
Facility: Dump
Date Active: 1950s-60s
Date Begun:
Date Complete: 1960
Area (Ha):
Landfill Type:
Group Name:
Operated By:
Serial: MOEE 4102
NTS: 31D05
Diameter (m):

Historical Summary:

Vespra & Innisfil Dump II MOEE 1994 Vespra & Innisfil Sts cited as a closed waste disposal site [Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093].

Waste Type:	
UTM X Nad 27:	603800
UTM Y Nad 27:	4915050
UTM Zone:	17

119 **1 of 1** **NNE/246.0** **222.6 / 1.86** **ON** **WWIS**

Well ID:	5700230	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Not Used	**Date Received:**	9/21/1937
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	2801
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10378124	**Elevation:**	222.11798
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	604216.4
Code OB Desc:	Overburden	**North83:**	4915751
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	7/21/1937	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932255741
Layer:	9
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	125
Formation End Depth:	129

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255743
Layer: 11
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Other Materials: MEDIUM SAND
Mat3:
Other Materials:
Formation Top Depth: 148
Formation End Depth: 149
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255735
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 26
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255740
Layer: 8
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 96
Formation End Depth: 125
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255736
Layer: 4
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND

Mat2: 11
Other Materials: GRAVEL
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 42
Formation End Depth: 56
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255742
Layer: 10
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 09
Other Materials: MEDIUM SAND
Mat3:
Other Materials:
Formation Top Depth: 129
Formation End Depth: 148
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255737
Layer: 5
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 05
Other Materials: CLAY
Formation Top Depth: 56
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255738
Layer: 6
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3:
Other Materials:
Formation Top Depth: 75
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255734
Layer: 2
Color:
General Color:
Mat1: 04
Most Common Material: PEAT
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 26
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255739
Layer: 7
Color:
General Color:
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 85
Formation End Depth: 96
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932255733
Layer: 1
Color:
General Color:
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10926694
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930625728
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	102
Casing Diameter:	26
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930625729
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	129
Casing Diameter:	14
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933362785
Layer:	1
Slot:	
Screen Top Depth:	129
Screen End Depth:	149
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	14

Results of Well Yield Testing

Pump Test ID:	995700230
Pump Set At:	
Static Level:	-20
Final Level After Pumping:	27
Recommended Pump Depth:	
Pumping Rate:	1107
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	24
Pumping Duration MIN:	0
Flowing:	Y

120 ***1 of 1*** ***SW/247.3*** ***224.9 / 4.15*** ***BARRIE ON*** ***WWIS***

Well ID:	7153856	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	11/2/2010

Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7075
Casing Material:		**Form Version:**	4
Audit No:	Z76726	**Owner:**	
Tag:	A045974	**Street Name:**	65 VESPRA ST.
Construction Method:		**County:**	SIMCOE
Elevation (m):		**Municipality:**	BARRIE CITY (VESPRA)
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:	1003358872	**Elevation:**	225.219802
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	603867
Code OB Desc:		**North83:**	4915092
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	10/24/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003360089
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	90
Formation End Depth:	101
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003360091
Layer:	6
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	

Other Materials:
Mat3: 73
Other Materials: HARD
Formation Top Depth: 119
Formation End Depth: 131
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003360090
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Other Materials: GRAVEL
Mat3: 73
Other Materials: HARD
Formation Top Depth: 101
Formation End Depth: 119
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003360086
Layer: 1
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003360094
Layer: 9
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 250
Formation End Depth: 312
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1003360093

Layer:	8
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	160
Formation End Depth:	250
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003360092
Layer:	7
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	131
Formation End Depth:	160
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003360087
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	63
Formation End Depth:	73
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003360088
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	73
Formation End Depth:	90
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003360096
Layer:	1
Plug From:	0
Plug To:	210
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1003360085
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003360098
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	215
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003360099
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	
Screen Diameter UOM:	
Screen Diameter:	

Hole Diameter

Hole ID:	1003360095
Diameter:	6
Depth From:	
Depth To:	312
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

121	***1 of 4***	***SSE/247.9***	***220.9 / 0.15***	***LAKESHORE DR & VICTORIA ST, BARRIE ON***	***INC***

Incident No:	1517594
Incident ID:	
Attribute Category:	FS-Perform L1 Incident Insp
Status Code:	
Incident Location:	LAKESHORE DR & VICTORIA ST, BARRIE - LEAK
Drainage System:	
Sub Surface Contam.:	
Aff. Prop. Use Water:	
Contam. Migrated:	
Contact Natural Env.:	
Near Body of Water:	
Approx. Quant. Rel.:	
Equipment Model:	
Serial No:	
Residential App. Type:	
Commercial App. Type:	
Industrial App. Type:	
Institutional App. Type:	
Venting Type:	
Vent Connector Mater:	
Vent Chimney Mater:	
Pipeline Type:	
Pipeline Involved:	
Pipe Material:	
Depth Ground Cover:	
Regulator Location:	
Regulator Type:	
Operation Pressure:	
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Fuels Occurence Type:	Discovery of a Petroleum Product
Fuel Type Involved:	Fuel Oil
Date of Occurence:	2014/11/11 00:00:00
Time of Occurence:	08:00:00
Occur Insp Start Date:	2014/11/11 00:00:00
Any Health Impact:	No
Any Environmental Impact:	Unknown
Was Service Interrupted:	No
Was Property Damaged:	No
Operation Type Involved:	Construction Site (excluding pipeline strike)
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	5250500
Notes:	
Occurence Narrative:	OIL SPILL FROM GENERATOR
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

121	*2 of 4*	*SSE/247.9*	*220.9 / 0.15*	***The Corporation of the City of Barrie*** ***Lakeshore Dr & Victoria St; Lakeshore Drive and Victoria St*** ***Barrie; Barrie ON NA***	*SPL*

Ref No: 0088-AJTRXW ***Discharger Report:***

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

Site No:	NA; 0943-63JHNF	**Material Group:**	
Incident Dt:	2/22/2017	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Miscellaneous Communal
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	24	**Nearest Watercourse:**	
Contaminant Name:	PROPYLENE GLYCOL	**Site Address:**	Lakeshore Dr & Victoria St; Lakeshore Drive and Victoria St
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	NA
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Barrie; Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	4915095
MOE Response:	No	**Easting:**	604333
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	NA
MOE Reported Dt:	2/22/2017	**Site Map Datum:**	NA
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	Centennial Park<UNOFFICIAL>; Lakeshore Drive at Victoria St		
Site County/District:			
Site Geo Ref Meth:	NA		
Incident Summary:	C of Barrie: 120 L propylene glycol to soil, cntd & clng		
Contaminant Qty:	120 L		

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121 | ***3 of 4*** | ***SSE/247.9*** | ***220.9 / 0.15*** | ***The Corporation of the City of Barrie***
Victoria Street and Lakeshore Drive
Barrie ON | ***SPL***

Ref No:	7778-A92RRS	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2016/04/15	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Miscellaneous Communal
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	24	**Nearest Watercourse:**	
Contaminant Name:	GLYCOL/WATER SOLUTION	**Site Address:**	Victoria Street and Lakeshore Drive
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Barrie
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land; Source Water Zone	**Northing:**	4915078
MOE Response:	No	**Easting:**	604333
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2016/04/15	**Site Map Datum:**	
Dt Document Closed:	2016/04/26	**SAC Action Class:**	Land Spills
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	Centennial Beach<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	City of Barrie: 300 L ethylene glycol to soil, clng		
Contaminant Qty:	300 L		

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121 | ***4 of 4*** | ***SSE/247.9*** | ***220.9 / 0.15*** | ***The Corporation of the City of Barrie; Atlas Dewatering Corporation***
Corner of Lakeshore and Victoria
Barrie ON | ***SPL***

Ref No:	5211-9QRJDS	**Discharger Report:**	

Site No:	NA	**Material Group:**	
Incident Dt:	2014/11/11	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	Leak/Break	**Sector Type:**	Tank - Above Ground
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	DIESEL FUEL	**Site Address:**	Corner of Lakeshore and Victoria
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Barrie
Nature of Impact:	Soil Contamination; Surface Water Pollution	**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	4915078
MOE Response:	Planned Field Response	**Easting:**	604333
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2014/11/11	**Site Map Datum:**	NAD83
Dt Document Closed:	2014/12/17	**SAC Action Class:**	Watercourse Spills
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	Corner of Victoria and Lakeshore<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie: 150L diesel to grnd and water, cntnd		
Contaminant Qty:	150 L		

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122 | ***1 of 3*** | ***N/248.4*** | ***222.8 / 2.07*** | ***1367146 Ontario Ltd.*** ***85 Dunlop St.West*** ***Barrie ON*** | ***GEN***

Generator No:	ON3191146	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2013	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	722210		
SIC Description:	LIMITED-SERVICE EATING PLACES		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

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122 | ***2 of 3*** | ***N/248.4*** | ***222.8 / 2.07*** | ***Ripple Effect Foods Inc.*** ***85 Dunlop St. W.*** ***Barrie ON L4N1A5*** | ***GEN***

Generator No:	ON6795336	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jul 2019	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)

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122 | ***3 of 3*** | ***N/248.4*** | ***222.8 / 2.07*** | ***Ripple Effect Foods Inc.*** ***85 Dunlop St. W.*** | ***GEN***

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

Barrie ON L4N1A5

Generator No: ON6795336
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

123	1 of 11	NW/248.8	224.9 / 4.15	SIMCOE BOARD OF EDUCATION BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No: ON0358107
Status:
Approval Years: 86,87,88,89,90,92,93
Contam. Facility:
MHSW Facility:
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.

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

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

123	2 of 11	NW/248.8	224.9 / 4.15	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No:	ON0358107	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Ward Coish
MHSW Facility:	No	**Phone No Admin:**	705 734-6363 Ext.11314
SIC Code:	611110		
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS		

Detail(s)

Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
123	3 of 11	NW/248.8	224.9 / 4.15	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No:	ON0358107	**PO Box No:**	
Status:		**Country:**	
Approval Years:	97,98,99,00,01,02,03,04,05,06,07,08	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	8511		
SIC Description:	ELEMT./SECON. EDUC.		

Detail(s)

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

123	4 of 11	NW/248.8	224.9 / 4.15	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No: ON0358107
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

123	5 of 11	NW/248.8	224.9 / 4.15	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No: ON0358107
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 264

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

Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

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123 | **6 of 11** | **NW/248.8** | **224.9 / 4.15** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
BARRIE CENTRAL COLLEGIATE INSTITUTE 125
DUNLOP STREET WEST
BARRIE ON L4N 1A9 | **GEN**

Generator No: ON0358107
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
123	7 of 11	NW/248.8	224.9 / 4.15	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No: ON0358107
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Ward Coish
Phone No Admin: 705 734-6363 Ext.11314

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
123	8 of 11	NW/248.8	224.9 / 4.15	SIMCOE BOARD OF EDUCATION 35-746 BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No: ON0358107
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:

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

SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

123	9 of 11	NW/248.8	224.9 / 4.15	SIMCOE COUNTY DISTRICT SCHOOL BOARD BARRIE CENTRAL COLLEGIATE INSTITUTE 125 DUNLOP STREET WEST BARRIE ON L4N 1A9	GEN

Generator No: ON0358107
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

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

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

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123 | **10 of 11** | **NW/248.8** | **224.9 / 4.15** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
BARRIE CENTRAL COLLEGIATE INSTITUTE 125
DUNLOP STREET WEST
BARRIE ON | **GEN**

Generator No: ON0358107
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

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

Detail(s)

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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123 | **11 of 11** | **NW/248.8** | **224.9 / 4.15** | **SIMCOE COUNTY DISTRICT SCHOOL BOARD**
BARRIE CENTRAL COLLEGIATE INSTITUTE 125
DUNLOP STREET WEST
BARRIE ON L4N 1A9 | **GEN**

Generator No: ON0358107
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Ward Coish
Phone No Admin: 705 734-6363 Ext.11314

Detail(s)

Waste Class: 112
Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 121
Waste Class Desc: ALKALINE WASTES - HEAVY METALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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124 **1 of 7** **SW/249.1** **224.9 / 4.18** **BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5** **GEN**

Generator No: ON0310603
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 913140
SIC Description: Municipal Fire-Fighting Services

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

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124 **2 of 7** **SW/249.1** **224.9 / 4.18** **BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5** **GEN**

Generator No: ON0310603
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

---

124 **3 of 7** **SW/249.1** **224.9 / 4.18** **BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5** **GEN**

Generator No: ON0310603
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 913140
SIC Description: Municipal Fire-Fighting Services

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

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

---

124 **4 of 7** **SW/249.1** **224.9 / 4.18** **BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 65 VESPRA DRIVE, FIRE STN. #1 BARRIE ON L4N 7Y5** **GEN**

Generator No: ON0310603
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 913140
SIC Description: Municipal Fire-Fighting Services

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

Detail(s)

Waste Class: 267
Waste Class Desc: ORGANIC ACIDS

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

---

124 **5 of 7** **SW/249.1** **224.9 / 4.18** **BARRIE, CITY OF - FIRE DEPARTMENT** **GEN**
65 VESPRA DRIVE
BARRIE ON L4N 2G8

Generator No: ON0310603
Status:
Approval Years: 90,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 8224
SIC Description: FIREFIGHTING SERV.

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

---

124 **6 of 7** **SW/249.1** **224.9 / 4.18** **BARRIE, CITY OF - FIRE DEPARTMENT 05-373** **GEN**
65 VESPRA DRIVE
BARRIE ON L4N 2G8

Generator No: ON0310603
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 8224
SIC Description: FIREFIGHTING SERV.

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

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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124 **7 of 7** **SW/249.1** **224.9 / 4.18** **THE CORPORATION OF THE CITY OF BARRIE** **GEN**
65 VESPRA STREET
BARRIE ON

Generator No: ON7748840
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 913140

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

SIC Description:

Detail(s)

Waste Class: 113
Waste Class Desc: ACID WASTE - OTHER METALS

Waste Class: 243
Waste Class Desc: PCBS

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 122
Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

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125 | ***1 of 1*** | ***NE/249.2*** | ***219.6 / -1.15*** | ***15 SIMCOE STREET<UNOFFICIAL>*** ***Barrie ON*** | ***SPL***

Ref No: 0400-647KUF
Site No:
Incident Dt: 8/24/2004
Year:
Incident Cause:
Incident Event:
Contaminant Code: 15
Contaminant Name: TRANSFORMER OIL (N.O.S.)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium: Land
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 8/25/2004
Dt Document Closed:
Incident Reason:
Site Name: 15 SIMCOE STREET<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Barrie Hydro-20 L Oil to Vault/Sidewalk
Contaminant Qty: 20 L

Discharger Report:
Material Group: Oil
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Barrie
Site Postal Code:
Site Region: Southwestern
Site Municipality: Barrie
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

---

126 | ***1 of 11*** | ***WNW/249.3*** | ***226.0 / 5.28*** | ***The Corporation of the City of Barrie*** ***155 Dunlop St W*** ***Barrie ON*** | ***CA***

Certificate #: 4115-83TRN7
Application Year: 2010
Issue Date: 3/24/2010
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

---

126 ***2 of 11*** ***WNW/249.3*** ***226.0 / 5.28*** ***The Corporation of the City of Barrie*** ***ECA***
155 Dunlop St W
Barrie ON L4M 4T5

Approval No:	4115-83TRN7	***MOE District:***	Barrie
Approval Date:	2010-03-24	***City:***	
Status:	Approved	***Longitude:***	-79.697586
Record Type:	ECA	***Latitude:***	44.386066
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Lakes Simcoe and Couchiching/Black River	***Geometry Y:***	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Address:	155 Dunlop St W		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1074-826RES-14.pdf		

---

126 ***3 of 11*** ***WNW/249.3*** ***226.0 / 5.28*** ***BARRIE, CORPORATION OF THE CITY OF*** ***GEN***
FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1
BARRIE ON L4N 7Y5

Generator No:	ON8912655	***PO Box No:***	
Status:	Registered	***Country:***	Canada
Approval Years:	As of Jul 2019	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	232 L
Waste Class Desc:	Polymeric resins
Waste Class:	312 P
Waste Class Desc:	Pathological wastes
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	263 L
Waste Class Desc:	Misc. waste organic chemicals

---

126 ***4 of 11*** ***WNW/249.3*** ***226.0 / 5.28*** ***CITY OF BARRIE*** ***GEN***
155 DUNLOP STREET WEST
BARRIE ON

Generator No:	ON3534048	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2009	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	

MHSW Facility: ***Phone No Admin:***
SIC Code: 913910
SIC Description: Other Local Municipal and Regional Public Administration

Detail(s)

Waste Class: 133
Waste Class Desc: BRINES, CHLOR-ALKALI WASTES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 262
Waste Class Desc: DETERGENTS/SOAPS

Waste Class: 331
Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

---

126 ***5 of 11*** ***WNW/249.3*** ***226.0 / 5.28*** ***BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5*** ***GEN***

Generator No: ON8912655
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913140
SIC Description: 913140

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Peter Jekums
Phone No Admin: 705-739-4220 Ext.4570

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

---

126 ***6 of 11*** ***WNW/249.3*** ***226.0 / 5.28*** ***BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5*** ***GEN***

Generator No: ON8912655 ***PO Box No:***

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

Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	Peter Jekums
MHSW Facility:	No	**Phone No Admin:**	705-739-4220 Ext.4570
SIC Code:	913140		
SIC Description:	913140		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	232
Waste Class Desc:	POLYMERIC RESINS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
126	7 of 11	WNW/249.3	226.0 / 5.28	**BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5**	GEN

Generator No:	ON8912655	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2014	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	Norm Martin
MHSW Facility:	No	**Phone No Admin:**	705-739-4220 Ext.4396
SIC Code:	913140		
SIC Description:	913140		

Detail(s)

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	232
Waste Class Desc:	POLYMERIC RESINS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
126	8 of 11	WNW/249.3	226.0 / 5.28	**BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 7Y5**	GEN

Generator No:	ON8912655	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Dec 2018	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	

MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

Waste Class: 145 I
Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 232 L
Waste Class Desc: Polymeric resins

Waste Class: 251 L
Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 263 L
Waste Class Desc: Misc. waste organic chemicals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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126 ***9 of 11*** ***WNW/249.3*** ***226.0 / 5.28*** ***BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON*** ***GEN***

Generator No: ON8912655 ***PO Box No:***
Status: ***Country:***
Approval Years: 2013 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 913140
SIC Description:

Detail(s)

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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126 ***10 of 11*** ***WNW/249.3*** ***226.0 / 5.28*** ***BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 6N9*** ***GEN***

Generator No: ON8912655 ***PO Box No:***
Status: ***Country:***
Approval Years: 2011 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***

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

MHSW Facility:
SIC Code: 913140
SIC Description:
Phone No Admin:

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126 | **11 of 11** | **WNW/249.3** | **226.0 / 5.28** | **BARRIE, CORPORATION OF THE CITY OF FIRE AND EMERGENCY SERVICES 155 Dunlop Street West, FIRE STN. #1 BARRIE ON L4N 6N9** | **GEN**

Generator No: ON8912655
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 913140
SIC Description: Municipal Fire-Fighting Services
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

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127 | **1 of 1** | **NNE/249.4** | **221.9 / 1.21** | **Barrie ON** | **WWIS**

Well ID: 7108757
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: M03598
Tag: A066457
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:
Date Received: 7/28/2008
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7314
Form Version: 5
Owner:
Street Name: SIMCOE ST. - BETWEEN MARY ST. & BAYFEILD
County: SIMCOE
Municipality: BARRIE CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002677948
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 6/12/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 221.359085
Elevrc:
Zone: 17
East83: 604326
North83: 4915707
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002677952
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Annular Space/Abandonment Sealing Record

Plug ID: 1002677953
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: CFHSA

Pipe Information

Pipe ID: 1002677954
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002677956
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

Construction Record - Screen

Screen ID: 1002677955
Layer:
Slot:
Screen Top Depth: 3
Screen End Depth: 6.2
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002677957
Pump Set At:
Static Level: 1.8
Final Level After Pumping:
Recommended Pump Depth:

Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
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: 1002677950
Diameter: 21
Depth From:
Depth To: 6.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1001692135
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole: N
Cluster Kind:
Date Completed: 7/18/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 221.308746
Elevrc:
Zone: 17
East83: 604281
North83: 4915720
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1002677989
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 0.6
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002677991
Layer: 3
Color: 6

General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	5.5
Formation End Depth:	6.7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002677990
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0.6
Formation End Depth:	5.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002677993
Layer:	1
Plug From:	0
Plug To:	6.7
Plug Depth UOM:	m

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	1002677988
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002677994
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.7
Casing Diameter:	5.1
Casing Diameter UOM:	cm

Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002677995
Layer: 1
Slot: 10
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.4

Hole Diameter

Hole ID: 1002677992
Diameter:
Depth From: 0
Depth To: 6.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002677928
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 6/12/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 219.819503
Elevrc:
Zone: 17
East83: 604315
North83: 4915595
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002677933
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Annular Space/Abandonment Sealing Record

Plug ID: 1002677932
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: CFHSA

Pipe Information

Pipe ID: 1002677934
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002677936
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

Construction Record - Screen

Screen ID: 1002677935
Layer:
Slot:
Screen Top Depth: 3.8
Screen End Depth: 5.5
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002677937
Pump Set At:
Static Level: 1
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
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: 1002677930
Diameter: 21
Depth From:
Depth To: 5.5

Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002677968
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 6/12/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 221.613464
Elevrc:
Zone: 17
East83: 604351
North83: 4915757
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002677973
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Annular Space/Abandonment Sealing Record

Plug ID: 1002677972
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: CFHSA

Pipe Information

Pipe ID: 1002677974
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002677976
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:

Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

Construction Record - Screen

Screen ID: 1002677975
Layer:
Slot:
Screen Top Depth: 2
Screen End Depth: 5.2
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002677977
Pump Set At:
Static Level: 2.3
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
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: 1002677970
Diameter: 21
Depth From:
Depth To: 5.2
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002677938
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 6/12/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 221.308746
Elevrc:
Zone: 17
East83: 604281
North83: 4915720
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID:	1002677942
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Annular Space/Abandonment Sealing Record

Plug ID:	1002677943
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	
Method Construction:	
Other Method Construction:	CFHSA

Pipe Information

Pipe ID:	1002677944
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002677946
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	

Construction Record - Screen

Screen ID:	1002677945
Layer:	
Slot:	
Screen Top Depth:	3.5
Screen End Depth:	6.7
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID: 1002677947
Pump Set At:
Static Level: 1.5
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
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: 1002677940
Diameter: 21
Depth From:
Depth To: 6.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002677978
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 6/12/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 220.930572
Elevrc:
Zone: 17
East83: 604366
North83: 4915729
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002677982
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Annular Space/Abandonment Sealing Record

Plug ID: 1002677983
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: CFHSA

Pipe Information

Pipe ID: 1002677984
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002677986
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

Construction Record - Screen

Screen ID: 1002677985
Layer:
Slot:
Screen Top Depth: 3.5
Screen End Depth: 5
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002677987
Pump Set At:
Static Level: 1.6
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
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: 1002677980
Diameter: 21

Depth From:
Depth To: 6.25
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002677958
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 6/12/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 221.277771
Elevrc:
Zone: 17
East83: 604349
North83: 4915702
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002677963
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Annular Space/Abandonment Sealing Record

Plug ID: 1002677962
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID:
Method Construction Code:
Method Construction:
Other Method Construction: CFHSA

Pipe Information

Pipe ID: 1002677964
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002677966
Layer:
Material: 5

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

Construction Record - Screen

Screen ID: 1002677965
Layer:
Slot:
Screen Top Depth: 3
Screen End Depth: 6.2
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002677967
Pump Set At:
Static Level: 1.8
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
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: 1002677960
Diameter: 21
Depth From:
Depth To: 6.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Unplottable Summary

Total: 78 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AUWR	TRACEY'S AUTO WRECKERS	COUNTY ROAD 90	BARRIE ON	L4M4S4
AUWR	RON TRACEY AUTO WRECKERS	COUNTY ROAD 90	BARRIE ON	L4M 4S4
CA	P.U.C. BARRIE	INNISFIL ST.PUMPING STATION	BARRIE ON	
CA	BARRIE CITY	DUNLOP STREET WEST	BARRIE CITY ON	
CA	The Corporation of the City of Barrie	Toronto Street, Dunlop Street West and Mary St	Barrie ON	
CA	BARRIE CITY	LAKESHORE DR. TRUNK SANITARY	BARRIE CITY ON	
CA	BARRIE PUBLIC UTILITIES COMMISSION	LAKESHORE DRIVE	BARRIE CITY ON	
CA	P.U.C. BARRIE - PUC WELL #15	LAKESHORE DRIVE	BARRIE CITY cl sent 1/11/93 ON	
CA	The Corporation of the City of Barrie	Lakeshore Dr	Barrie ON	
CA	TRADMOR INVESTMENTS LIMITED	PROP. COMM. DEV./DUNLOP STREET	BARRIE CITY ON	
CA	CHAU VAN LUU	SANFORD STREET	BARRIE CITY ON	
CA	The Corporation of the City of Barrie	Simcoe St	Barrie ON	
CA	BARRIE CITY	LAKESHORE DR.	BARRIE CITY ON	
CA	BARRIE CITY	HIGH STREET	BARRIE CITY ON	
CA	LEONARD BOYKO ARCHITECT	HIGH STREET	BARRIE CITY ON	
CA	MONWEN DEVELOPMENTS LTD.	FOYSTON ESTATE SUBD. MAPLE AVE	VESPRA TWP. ON	
CA	Lakeshore Drive and Victoria Street	Simcoe Street, Lakeshore Drive, Victoria Street	Barrie ON	

CONV	C.M. DIPEDE GROUP LIMITED		ON	
CONV	FORD ON-SITE SERVICES LTD.		ON	
ECA	The Corporation of the City of Barrie	Dunlop St W	Barrie ON	L4M 4T5
ECA	The Corporation of the City of Barrie	Toronto Street, Dunlop Street West and Mary St	Barrie ON	L4M 4T5
ECA	The Corporation of the City of Barrie	Simcoe St	Barrie ON	L4M 4T5
ECA	The Corporation of the City of Barrie	Lakeshore Dr	Barrie ON	L4M 4T5
ECA	The Corporation of the City of Barrie	Simcoe St	Barrie ON	L4M 4T5
ECA	The Corporation of the City of Barrie	Lakeshore Dr Lakeshore Drive from Toronto Street to Tiffin Street	Barrie ON	L4M 4T5
EHS		Lakeshore Drive	Barrie ON	
EHS		Dunlop Street	Barrie ON	
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	M1V 1S9
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	
EXP	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	M1V 1S9
EXP	ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE ON	K1C 7E2
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	

GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	
GEN	The City of Barrie	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	L4N 4K5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Innisfil Street	Barrie ON	
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1
GEN	The City of Barrie	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4N 3C5
GEN	THE CORPORATION OF THE CITY OF BARRIE	Sanford Street	Barrie ON	L4M 4V1
LIMO		Lot 25 Concession 5 (Ellen Street NR of Brock Street) Barrie, Ontario Barrie	ON	
PRT	GOHLER ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE TWP ON	
PRT	ARAGAIN LODGE LTD	LOT 25 CON 5	BARRIE ON	

PTTW	Drainstar Contracting Limited	Lot: 24, Concession: 5 Vespra Barrie Ontario CITY OF BARRIE	ON	
RST	L&C SHELL	HWY 90	BARRIE ON	L0M 1B0
RST	CITY OF BARRIE MARINA	LAKESHORE DR	BARRIE ON	
SCT	Axmith & Company Ltd.		Barrie ON	
SCT	Axmith & Company Ltd.		Barrie ON	
SPL	UNKNOWN	BRADFORD STREET	BARRIE CITY ON	
SPL	BARRIE, CITY OF	BRADFORD ST INFRONT OF AD BRADFORD COMMERCIAL OUTLET. SANITARY SEWER	BARRIE CITY ON	
SPL	The Corporation of the City of Barrie	Lakeshore Dr.	Barrie ON	
SPL	PETRO-CANADA	HWY 11 PETRO-CAN BULK PLANT BULK PLANT/TERMINAL	BARRIE CITY ON	
SPL	WARREN GIBSON LTD.	HWY 90 TRANSPORT TRUCK (CARGO)	BARRIE CITY ON	
SPL	Bill Crampton-Barrie Flying Club<UNOFFICIAL>	Lakeshore Dr	Barrie ON	
SPL	The Corporation of the City of Barrie	Lakeshore Drive	Barrie ON	
SPL	The Corporation of the City of Barrie	Outfall near Ellen Street & Lakeshore Drive	Barrie ON	
SPL		KIDDS CREEK AT LAKESHORE DRIVE<UNOFFICIAL>	Barrie ON	
SPL		east bound between Toronto and High St	Barrie ON	
SPL	The Corporation of the City of Barrie	Starts on Mary St and finishes on Bayview	Barrie ON	
WWIS		lot 25	ON	
WWIS		lot 25	ON	

Unplottable Report

Site: ***TRACEY'S AUTO WRECKERS***
COUNTY ROAD 90 BARRIE ON L4M4S4

Database: ***AUWR***

Headcode:	00098600
Headcode Desc:	CAR WRECKING & RECYCLING
Phone:	7057268487
List Name:	
Description:	

Site: ***RON TRACEY AUTO WRECKERS***
COUNTY ROAD 90 BARRIE ON L4M 4S4

Database: ***AUWR***

Headcode:	00096400
Headcode Desc:	AUTOMOBILE PARTS & SUPPLIES-USED & REBUILT
Phone:	
List Name:	
Description:	

Site: ***P.U.C. BARRIE***
INNISFIL ST.PUMPING STATION BARRIE ON

Database: ***CA***

Certificate #:	7-0970-98-
Application Year:	98
Issue Date:	10/29/1998
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***BARRIE CITY***
DUNLOP STREET WEST BARRIE CITY ON

Database: ***CA***

Certificate #:	7-0533-90-
Application Year:	90
Issue Date:	5/25/1990
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***The Corporation of the City of Barrie***

Database:

Toronto Street, Dunlop Street West and Mary St Barrie ON ***CA***

Certificate #: 1687-832MHW
Application Year: 2010
Issue Date: 3/5/2010
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: ***BARRIE CITY***
LAKESHORE DR. TRUNK SANITARY BARRIE CITY ON

Database: ***CA***

Certificate #: 3-1622-86-
Application Year: 86
Issue Date: 12/1/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BARRIE PUBLIC UTILITIES COMMISSION***
LAKESHORE DRIVE BARRIE CITY ON

Database: ***CA***

Certificate #: 8-3236-92-
Application Year: 92
Issue Date: 10/27/1992
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: 230 KW DIESEL GEN-SET FOR WELL NO. 15
Contaminants: Nitrogen Oxides
Emission Control: No Controls

Site: ***P.U.C. BARRIE - PUC WELL #15***
LAKESHORE DRIVE BARRIE CITY cl sent 1/11/93 ON

Database: ***CA***

Certificate #: 7-0203-92-
Application Year: 92
Issue Date: 8/28/1992
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: ***The Corporation of the City of Barrie***
Lakeshore Dr Barrie ON

Database: ***CA***

Certificate #: 7290-7FPQ8K
Application Year: 2008
Issue Date: 6/18/2008
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: ***TRADMOR INVESTMENTS LIMITED***
PROP. COMM. DEV./DUNLOP STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 7-0036-90-
Application Year: 90
Issue Date: 11/22/1990
Approval Type: Municipal water
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CHAU VAN LUU***
SANFORD STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 7-0577-96-
Application Year: 96
Issue Date: 7/17/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Barrie***
Simcoe St Barrie ON

Database: ***CA***

Certificate #: 4986-76GRUH
Application Year: 2007
Issue Date: 8/28/2007
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: ***BARRIE CITY***
LAKESHORE DR. BARRIE CITY ON

Database: ***CA***

Certificate #: 3-2126-88-
Application Year: 88
Issue Date: 11/8/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BARRIE CITY***
HIGH STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 3-1846-88-
Application Year: 88
Issue Date: 10/24/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***LEONARD BOYKO ARCHITECT***
HIGH STREET BARRIE CITY ON

Database: ***CA***

Certificate #: 3-2138-87-
Application Year: 87
Issue Date: 12/17/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MONWEN DEVELOPMENTS LTD.***
FOYSTON ESTATE SUBD. MAPLE AVE VESPRA TWP. ON

Database: ***CA***

Certificate #: 7-0653-89-
Application Year: 89
Issue Date: 11/21/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Lakeshore Drive and Victoria Street***
Simcoe Street, Lakeshore Drive, Victoria Street Barrie ON

Database: ***CA***

Certificate #: 2871-5DXLSM
Application Year: 02
Issue Date: 9/17/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the City of Barrie
Client Address: 70 Collier Street
Client City: Barrie
Client Postal Code: L4M 4T5
Project Description: This application is for the construction of watermain on Simcoe Street, Lakeshore Drive, and Victoria Street.
Contaminants:
Emission Control:

Site: ***C.M. DIPEDE GROUP LIMITED***
ON

Database: ***CONV***

File No:
Crown Brief No: 01-0012-0072
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: BEING A GENERATOR, FAILED TO USE A REGISTRATION NUMBER IN THE TRANSFERRING OF WASTE.
Background:
URL:

Location:
Region: CENTRAL REGION
Ministry District: YORK-DURHAM

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation: 347
Section: 18(7)
Act/Regulation/Section: EPA-347-18(7)
Date of Offence:
Date of Conviction:
Date Charged: 4/9/01
Charge Disposition: SUSPENDED SENTENCE
Fine: $205.00
Synopsis:

Site: ***FORD ON-SITE SERVICES LTD.***
ON

Database: ***CONV***

File No:		***Location:***	
Crown Brief No:	01-0187-0525	***Region:***	CENTRAL REGION
Court Location:		***Ministry District:***	METRO
Publication City:			
Publication Title:			
Act:			
Act(s):			
First Matter:			
Second Matter:			
Investigation 1:			
Investigation 2:			
Penalty Imposed:			
Description:	OPERATE A WASTE MANAGEMENT SYSTEM NOT CLEARLY MARKED WITH NAME AND NO. ON COFA AND THE WORDS SEWAGE WASTE NOT LABELED IN PLAIN VIEW ON TRUCK		
Background:			
URL:			

Additional Details

Publication Date:	
Count:	1
Act:	EPA
Regulation:	347
Section:	16(1) (10)
Act/Regulation/Section:	EPA-347-16(1) (10)
Date of Offence:	
Date of Conviction:	
Date Charged:	1/17/02
Charge Disposition:	SUSPENDED SENTENCE
Fine:	$300.00
Synopsis:	

Additional Details

Publication Date:	
Count:	1
Act:	EPA
Regulation:	347
Section:	16(1) (12)
Act/Regulation/Section:	EPA-347-16(1) (12)
Date of Offence:	
Date of Conviction:	
Date Charged:	1/17/02
Charge Disposition:	FINED
Fine:	
Synopsis:	

Site: ***The Corporation of the City of Barrie***
Dunlop St W Barrie ON L4M 4T5

Database: ***ECA***

Approval No:	7805-9N8NEU	***MOE District:***	
Approval Date:	2014-08-28	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Dunlop St W		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8703-9N5JZL-14.pdf		

Site: ***The Corporation of the City of Barrie***
Toronto Street, Dunlop Street West and Mary St Barrie ON L4M 4T5

Database: ***ECA***

Approval No:	1687-832MHW	***MOE District:***	Barrie
Approval Date:	2010-03-05	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	-79.68474599999999
Record Type:	ECA	***Latitude:***	44.389927
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Lakes Simcoe and Couchiching/Black River	***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Toronto Street, Dunlop Street West and Mary St		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1095-82RTY3-14.pdf		

Site: ***The Corporation of the City of Barrie***
Simcoe St Barrie ON L4M 4T5

Database: ***ECA***

Approval No:	1300-76GS47	***MOE District:***	
Approval Date:	2007-08-28	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Address:	Simcoe St		
Full Address:			
Full PDF Link:			

Site: ***The Corporation of the City of Barrie***
Lakeshore Dr Barrie ON L4M 4T5

Database: ***ECA***

Approval No:	7290-7FPQ8K	***MOE District:***	
Approval Date:	2008-06-18	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Lakeshore Dr		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9998-7FJLEB-14.pdf		

Site: ***The Corporation of the City of Barrie***
Simcoe St Barrie ON L4M 4T5

Database: ***ECA***

Approval No:	4986-76GRUH	***MOE District:***	
Approval Date:	2007-08-28	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Simcoe St		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3533-72ZPYY-14.pdf		

Site: ***The Corporation of the City of Barrie***

Database:

Lakeshore Dr Lakeshore Drive from Toronto Street to Tiffin Street Barrie ON L4M 4T5

ECA

Approval No:	0291-9L5PHM	***MOE District:***	
Approval Date:	2014-06-30	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Lakeshore Dr Lakeshore Drive from Toronto Street to Tiffin Street
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5291-9ESQ2J-14.pdf

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Site:
Lakeshore Drive Barrie ON

Database:
EHS

Order No:	20041126002	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	12/2/04	***Search Radius (km):***	0.25
Date Received:	11/26/04	***X:***	-79.688591
Previous Site Name:		***Y:***	44.373394
Lot/Building Size:			

Additional Info Ordered: Aerials Photos and/or Topographical Maps

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Site:
Dunlop Street Barrie ON

Database:
EHS

Order No:	20081007015	***Nearest Intersection:***	Between Anne Street and Miller Drive
Status:	C	***Municipality:***	Barrie
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	10/27/2008	***Search Radius (km):***	0.2
Date Received:	10/7/2008	***X:***	-79.722992
Previous Site Name:		***Y:***	1
Lot/Building Size:	approximately 3 km length of the street		

Additional Info Ordered: Fire Insur. Maps and/or Site Plans

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON

Database:
EXP

Instance No:	10559256
Instance ID:	26820
Instance Type:	FS Liquid Fuel Tank
Description:	FS Liquid Fuel Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON M1V 1S9

Database:
EXP

Instance No:	10559256
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Self Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	4/16/1992

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON

Database: ***EXP***

Instance No: 10559272
Instance ID: 29022
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON M1V 1S9

Database: ***EXP***

Instance No: 9813480
Instance ID:
Instance Type: FS Facility
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 4/16/1992

Site: ***ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE ON K1C 7E2

Database: ***EXP***

Instance No: 9819532
Instance ID:
Instance Type: FS Facility
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 3/19/1994

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON

Database: ***GEN***

Generator No: ON4117713
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 913150
SIC Description:

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

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

Generator No: ON4117713
Status:

PO Box No:
Country: Canada

Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

Generator No: ON4117713
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 149 L
Waste Class Desc: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

Generator No: ON4117713
Status: Registered
Approval Years: As of Jul 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 149 L
Waste Class Desc: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

Generator No: ON4117713
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

Generator No: ON4117713

PO Box No:

Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON

Database: ***GEN***

Generator No: ON7906569
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 913150
SIC Description:

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON

Database: ***GEN***

Generator No: ON6718161
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 913150
SIC Description:

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

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site: ***The City of Barrie***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

Generator No: ON7906569
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 913150
SIC Description: Municipal Regulatory Services

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

Generator No: ON7906569
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 913150
SIC Description: Municipal Regulatory Services

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4M 4V1

Database: ***GEN***

Generator No: ON6718161
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 149 L
Waste Class Desc: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

Generator No: ON7906569
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4M 4V1

Database: ***GEN***

Generator No: ON6718161
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

Generator No: ON7906569
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON L4N 4K5

Database: ***GEN***

Generator No: ON4117713
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 149 L
Waste Class Desc: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Innisfil Street Barrie ON

Database: ***GEN***

Generator No: ON4117713
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 913150
SIC Description: Municipal Regulatory Services

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

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4M 4V1

Database: ***GEN***

Generator No: ON6718161
Status: Registered
Approval Years: As of Jul 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 149 L
Waste Class Desc: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4M 4V1

Database: ***GEN***

Generator No: ON6718161
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:

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

MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

Waste Class: 149 L
Waste Class Desc: Landfill leachate

Site: ***THE CORPORATION OF THE CITY OF BARRIE*** ***Database:*** ***GEN***
Sanford Street Barrie ON L4N 3C5

Generator No: ON7906569 ***PO Box No:***
Status: Registered ***Country:*** Canada
Approval Years: As of Jul 2019 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

Waste Class: 241 L
Waste Class Desc: Halogenated solvents and residues

Site: ***THE CORPORATION OF THE CITY OF BARRIE*** ***Database:*** ***GEN***
Sanford Street Barrie ON L4N 3C5

Generator No: ON7906569 ***PO Box No:***
Status: Registered ***Country:*** Canada
Approval Years: As of Dec 2018 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code:
SIC Description:

Detail(s)

Waste Class: 241 L
Waste Class Desc: Halogenated solvents and residues

Site: ***THE CORPORATION OF THE CITY OF BARRIE*** ***Database:*** ***GEN***
Sanford Street Barrie ON

Generator No: ON6718161 ***PO Box No:***
Status: ***Country:***
Approval Years: 2012 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No Admin:***
SIC Code: 913150
SIC Description: Municipal Regulatory Services

Site: ***THE CORPORATION OF THE CITY OF BARRIE*** ***Database:*** ***GEN***
Sanford Street Barrie ON L4M 4V1

Generator No: ON6718161 ***PO Box No:***
Status: ***Country:*** Canada
Approval Years: 2014 ***Choice of Contact:*** CO_OFFICIAL
Contam. Facility: No ***Co Admin:*** Lee Roberts
MHSW Facility: No ***Phone No Admin:*** 705-739-4220 Ext.5810
SIC Code: 913150
SIC Description: 913150

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site: ***The City of Barrie***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

Generator No: ON7906569
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 913150
SIC Description: Municipal Regulatory Services

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4N 3C5

Database: ***GEN***

Generator No: ON7906569
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: ***THE CORPORATION OF THE CITY OF BARRIE***
Sanford Street Barrie ON L4M 4V1

Database: ***GEN***

Generator No: ON6718161
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913150
SIC Description: 913150

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Lee Roberts
Phone No Admin: 705-739-4220 Ext.5810

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Site:
Lot 25 Concession 5 (Ellen Street NR of Brock Street) Barrie, Ontario Barrie ON

Database: ***LIMO***

ECA/Instrument No: X4131
Oper Status 2016: Historic
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfll Gas:
Lndfll Gas Coll:
Total Waste Rec:

Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type: Historic and Closed Landfills
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details: Lot 25 Concession 5 (Ellen Street NR of Brock Street) Barrie, Ontario

Barrie
Service Area:
Page URL:

TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: ***GOHLER ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE TWP ON

Database: ***PRT***

Location ID: 1358
Type: retail
Expiry Date: 1991-10-31
Capacity (L): 4550
Licence #: 0055458001

Site: ***ARAGAIN LODGE LTD***
LOT 25 CON 5 BARRIE ON

Database: ***PRT***

Location ID: 1318
Type: retail
Expiry Date: 1995-03-31
Capacity (L): 4546
Licence #: 0076415421

Site: ***Drainstar Contracting Limited***
Lot: 24, Concession: 5 Vespra Barrie Ontario CITY OF BARRIE ON

Database: ***PTTW***

EBR Registry No: IA06E0125
Ministry Ref No: 1647-6KYLB8
Notice Type: Instrument Decision
Notice Stage:
Notice Date: March 08, 2006
Proposal Date: January 30, 2006
Year: 2006
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Drainstar Contracting Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 989 Credit Stone Road, Concord, Vaughan Ontario, L4K 4N7
Comment Period:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

URL:

Site Location Details:

Lot: 24, Concession: 5 Vespra Barrie Ontario CITY OF BARRIE

Site: ***L&C SHELL***
HWY 90 BARRIE ON L0M 1B0

Database: ***RST***

Headcode: 1186800
Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas
Phone: 7054245911
List Name:
Description:

Site: ***CITY OF BARRIE MARINA***
LAKESHORE DR BARRIE ON

Database: ***RST***

Headcode: 00824400
Headcode Desc: MARINAS
Phone: 7057394218
List Name:
Description:

Site: ***Axmith & Company Ltd.***
Barrie ON

Database: ***SCT***

Established:
Plant Size (ft²):
Employment:

Site: ***Axmith & Company Ltd.***
Barrie ON

Database: ***SCT***

Established:
Plant Size (ft²):
Employment:

--Details--
Description: Manufactured (Mobile) Home Manufacturing
SIC/NAICS Code: 321991

Description: Prefabricated Wood Building Manufacturing
SIC/NAICS Code: 321992

Description: Prefabricated Metal Building and Component Manufacturing
SIC/NAICS Code: 332311

Site: ***UNKNOWN***
BRADFORD STREET BARRIE CITY ON

Database: ***SPL***

Ref No: 54328
Site No:
Incident Dt: //
Year:
Incident Cause: UNKNOWN
Incident Event:
Contaminant Code:
Contaminant Name:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:

Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	70101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	BARRIE PUC
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/5/1991	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	BACKENTRY: HEAVY RAINS FLUSHED OIL TO RETENTION POND FROM UNKNOWN SOURCE.		
Contaminant Qty:			

Site: ***BARRIE, CITY OF***
BRADFORD ST INFRONT OF AD BRADFORD COMMERCIAL OUTLET. SANITARY SEWER BARRIE CITY ON

Database: ***SPL***

Ref No:	224519	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	CONTAINER OVERFLOW	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	70101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND / WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/1/2002	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CITY OF BARRIE-SANITARY PLUGGED/OVERFLOWED,SMALL QUANT SEWAGE TO 2 S.S.		
Contaminant Qty:			

Site: ***The Corporation of the City of Barrie***
Lakeshore Dr. Barrie ON

Database: ***SPL***

Ref No:	4557-8BBTDW	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Discharge Or Bypass To A Watercourse	***Sector Type:***	Unknown
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	OIL ADDITIVES	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	

Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/18/2010	***Site Map Datum:***	
Dt Document Closed:	11/30/2010	***SAC Action Class:***	Watercourse Spills
Incident Reason:	Unknown - Reason not determined	***Source Type:***	
Site Name:	Hotchkiss Creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Spill on oily sub to Hotchkiss Ck. Barrie		
Contaminant Qty:	0 other - see incident description		

Site: ***PETRO-CANADA***
HWY 11 PETRO-CAN BULK PLANT BULK PLANT/TERMINAL BARRIE CITY ON

Database: ***SPL***

Ref No:	108101	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	12/7/1994	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	70101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	MCCR
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/8/1994	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PETRO-CANADA BULK PLANT - 68 L OF COLOURED DIESEL TO SNOW COVERED GRAVEL		
Contaminant Qty:			

Site: ***WARREN GIBSON LTD.***
HWY 90 TRANSPORT TRUCK (CARGO) BARRIE CITY ON

Database: ***SPL***

Ref No:	170452	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/20/1999	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	70101
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND / WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/20/1999	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ADVERSE ROAD CONDITION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	WARREN GIBSON LTD-DIESEL TANKS LEAKING-100 LITRES TO ROADSIDE & SWALE-CLEAN		

Contaminant Qty:

Site: ***Bill Crampton-Barrie Flying Club<UNOFFICIAL>*** ***Database:*** ***SPL***
Lakeshore Dr Barrie ON

Ref No:	8152-5NS5HC	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:	6/22/2003	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	FUEL (N.O.S.)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Barrie
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Southwestern
Environment Impact:	Possible	***Site Municipality:***	Barrie
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/22/2003	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	BREAK WALL CENTENNIAL PARK<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Ultra-light plane crashed into water, cleaning		
Contaminant Qty:			

Site: ***The Corporation of the City of Barrie*** ***Database:*** ***SPL***
Lakeshore Drive Barrie ON

Ref No:	0558-8W6PLR	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	13-JUL-12	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	***Site Address:***	Lakeshore Drive
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Barrie
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Sewage - Municipal/Private and Commercial	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	13-JUL-12	***Site Map Datum:***	
Dt Document Closed:	31-JUL-12	***SAC Action Class:***	Watercourse Spills
Incident Reason:		***Source Type:***	
Site Name:	Barrie Marina<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie Marina: 5 L oil in water, cleaning w pads		
Contaminant Qty:			

Site: ***The Corporation of the City of Barrie*** ***Database:*** ***SPL***
Outfall near Ellen Street & Lakeshore Drive Barrie ON

Ref No:	8640-AG6TAX	***Discharger Report:***	

Site No:	NA	***Material Group:***	
Incident Dt:	2016/11/29	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Miscellaneous Communal
Incident Event:	Unknown / N/A	***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	Lake Simcoe
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Outfall near Ellen Street & Lakeshore Drive
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Barrie
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Surface Water; Source Water Zone	***Northing:***	
MOE Response:	No	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2016/11/29	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Watercourse Spills
Incident Reason:	Unknown / N/A	***Source Type:***	
Site Name:	Hydraulic sheen noticed in Diamonds Creek<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	City of Barrie: sheen found in Diamonds Creek. Containment in place.		
Contaminant Qty:	1 other - see incident description		

Site: ***Database:*** ***SPL***

KIDDS CREEK AT LAKESHORE DRIVE<UNOFFICIAL> Barrie ON

Ref No:	4857-6THVSC	***Discharger Report:***	
Site No:		***Material Group:***	Oils
Incident Dt:	9/9/2006	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Other Plant
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Barrie
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Barrie
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/10/2006	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Source Ukn-Sheen on Kidds Creek,Contained.		
Contaminant Qty:	25 l		

Site: ***Database:*** ***SPL***

east bound between Toronto and High St Barrie ON

Ref No:	1110-AART7A	***Discharger Report:***	
Site No:	NA	***Material Group:***	
Incident Dt:	2016/06/09	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Unknown / N/A
Incident Event:	Leak/Break	***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	HYDROCARBON LIGHT	***Site Address:***	east bound between Toronto and High St
Contaminant Limit 1:		***Site District Office:***	

Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	Barrie
Nature of Impact:		***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:	Surface Water	***Northing:***	4915750
MOE Response:	No	***Easting:***	604027
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2016/06/09	***Site Map Datum:***	
Dt Document Closed:	2016/06/16	***SAC Action Class:***	Land Spills
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	Simcoe St<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Spill hydrocarbon to Road, cleaning		
Contaminant Qty:	5 L		

Site: ***The Corporation of the City of Barrie***
Starts on Mary St and finishes on Bayview Barrie ON

Database: ***SPL***

Ref No:	7221-7U6HV4	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Possible	***Site Municipality:***	Barrie
Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/21/2009	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	Bus Route Spill<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Barrie Transit: hydraulic oil spill along bus route		
Contaminant Qty:	30 L		

Site:
lot 25 ON

Database: ***WWIS***

Well ID:	5733829	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/27/1998
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	7061
Casing Material:		***Form Version:***	1
Audit No:	191160	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	SIMCOE
Elevation (m):		***Municipality:***	VESPRA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10411361
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 3/21/1998
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932405775
Layer: 4
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 05
Other Materials: CLAY
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932405773
Layer: 2
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 05
Other Materials: CLAY
Mat3:
Other Materials:
Formation Top Depth: 25
Formation End Depth: 38
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932405772
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932405774
Layer: 3
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 38
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932405776
Layer: 5
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 70
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10959931
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930666475
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 65

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

Construction Record - Screen

Screen ID: 933379470
Layer: 1
Slot: 010
Screen Top Depth: 66
Screen End Depth: 70
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 995733829
Pump Set At:
Static Level: 32
Final Level After Pumping: 63
Recommended Pump Depth: 63
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 935102318
Test Type:
Test Duration: 60
Test Level: 63
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934578619
Test Type:
Test Duration: 30
Test Level: 63
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934321573
Test Type:
Test Duration: 15
Test Level: 63
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934843746
Test Type:
Test Duration: 45

Test Level: 63
Test Level UOM: ft

Water Details

Water ID: 933893958
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 61
Water Found Depth UOM: ft

Water Details

Water ID: 933893959
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 70
Water Found Depth UOM: ft

Site:
lot 25 ON

Database: ***WWIS***

Well ID: 5733830
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 191162
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: 11/27/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 7061
Form Version: 1
Owner:
Street Name:
County: SIMCOE
Municipality: VESPRA TOWNSHIP
Site Info:
Lot: 025
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10411362
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 3/23/1998
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932405779
Layer: 3
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 05
Other Materials: CLAY
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 62
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932405780
Layer: 4
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 62
Formation End Depth: 72
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932405778
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 35
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932405777
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 35
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10959932
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930666476
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 66
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933379471
Layer: 1
Slot: 010
Screen Top Depth: 68
Screen End Depth: 72
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6

Results of Well Yield Testing

Pump Test ID: 995733830
Pump Set At:
Static Level: 33
Final Level After Pumping: 65
Recommended Pump Depth: 65
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934321574
Test Type:
Test Duration: 15
Test Level: 65

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934843747
Test Type:
Test Duration: 45
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934578620
Test Type:
Test Duration: 30
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935102319
Test Type:
Test Duration: 60
Test Level: 65
Test Level UOM: ft

Water Details

Water ID: 933893960
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 62
Water Found Depth UOM: ft

Water Details

Water ID: 933893961
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 72
Water Found Depth UOM: ft

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 2019

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-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jul 31, 2019

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: 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-Jul 31, 2019

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 - Aug 2019

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-Jul 2019

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-Sep 30, 2019

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 - Oct 2018

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Sep 30, 2019

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-Sep 30, 2019

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Sep 30, 2019

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-Jul 31, 2019

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

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: 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-Aug 2019

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 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: 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-Jul 31, 2019

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 2017

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: 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: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2019

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, 2017

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-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2019

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal 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 OGWE

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

Government Publication Date: 1988-Aug 31, 2019

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-Jun 2019

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-Sep 30, 2019

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Sep 2019

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 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-Sep 30, 2019

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-Sep 2019

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-Jul 31, 2019

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Feb 2019

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, 2017

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 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 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-Sep 30, 2019

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: Feb 28, 2019

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 H
Aerial Photographs

ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property:	51-75 Bradford Street 51-75 Bradford Street Barrie ON L4N 3A7
Project No:	11201680
Requested By:	GHD Limited
Order No:	20191107166
Date Completed:	November 14, 2019

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

Decade	Year	Image Scale	Source
1920	Not Available		
1940	1946	20000	NAPL
1960	1966	6000	NAPL
1980	1981	50000	NAPL
2000	Not Available		
2010	2013	13000	DigitalGlobe

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0 0.125 0.25 0.5 Kilometers

Order Number: 20191107166

Year: 1946
Source: NAPL
Map Scale: 1: 10000
Comments:

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0 0.125 0.25 0.5
Kilometers

Order Number: 20191107166

Year: 1966
Source: NAPL
Map Scale: 1: 10000
Comments:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

0 0.125 0.25 0.5 Kilometers

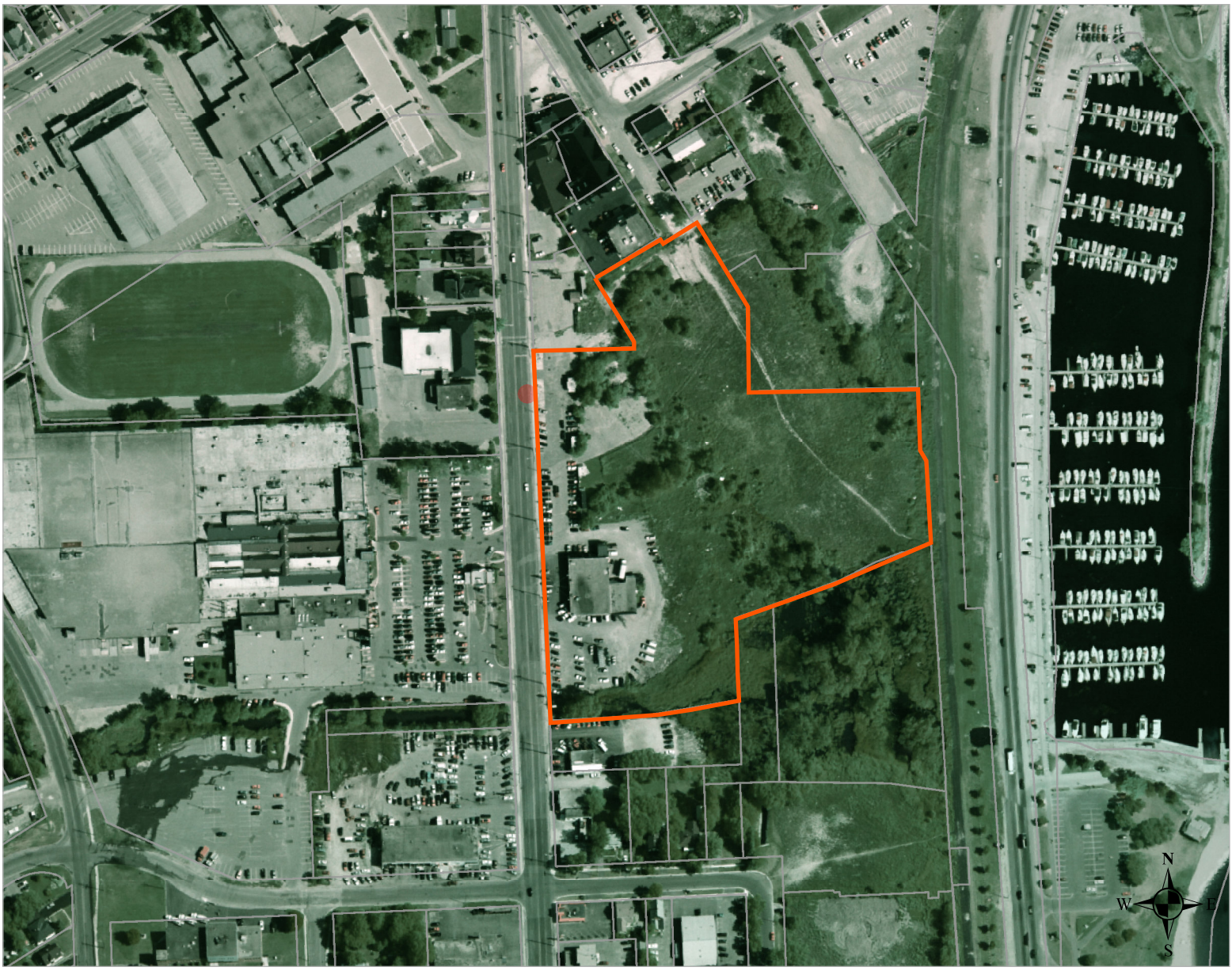
Order Number: 20191107166

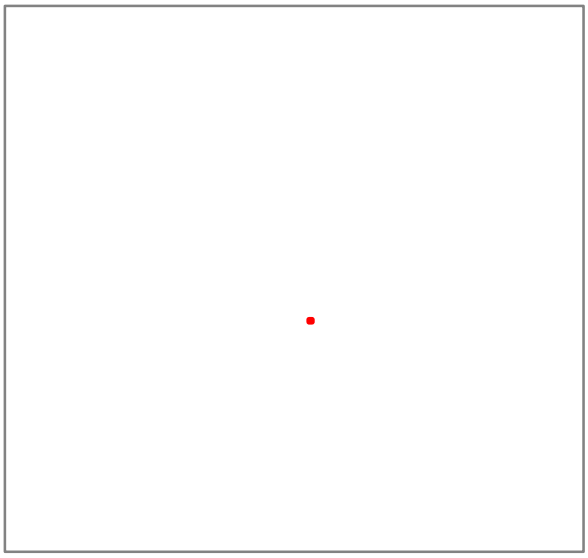
Year: 1981
Source: NAPL
Map Scale: 1: 10000
Comments:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

County of Simcoe - Web Map

Aerial Map - 1997





- Municipal Border
- Contour - 2 Meter
- Trail
- RailLine
- Highway
- Major Road
- Ramp
- Local Roads
- Unassumed and Seasonal Roads
- Water Line, Intermittent
- Water Line, Permanent
- Building Footprint
- Provincial Park
- Water Area, Permanent
- Wetland Area, Permanent
- Wooded Area
- Cartographic Urban Area
- Cemetery - Polygon
- First Nations Land
- Municipal Park

Landuse

- Amusement Park
- Commercial
- Educational
- Golf Course
- Government
- Industrial
- Medical

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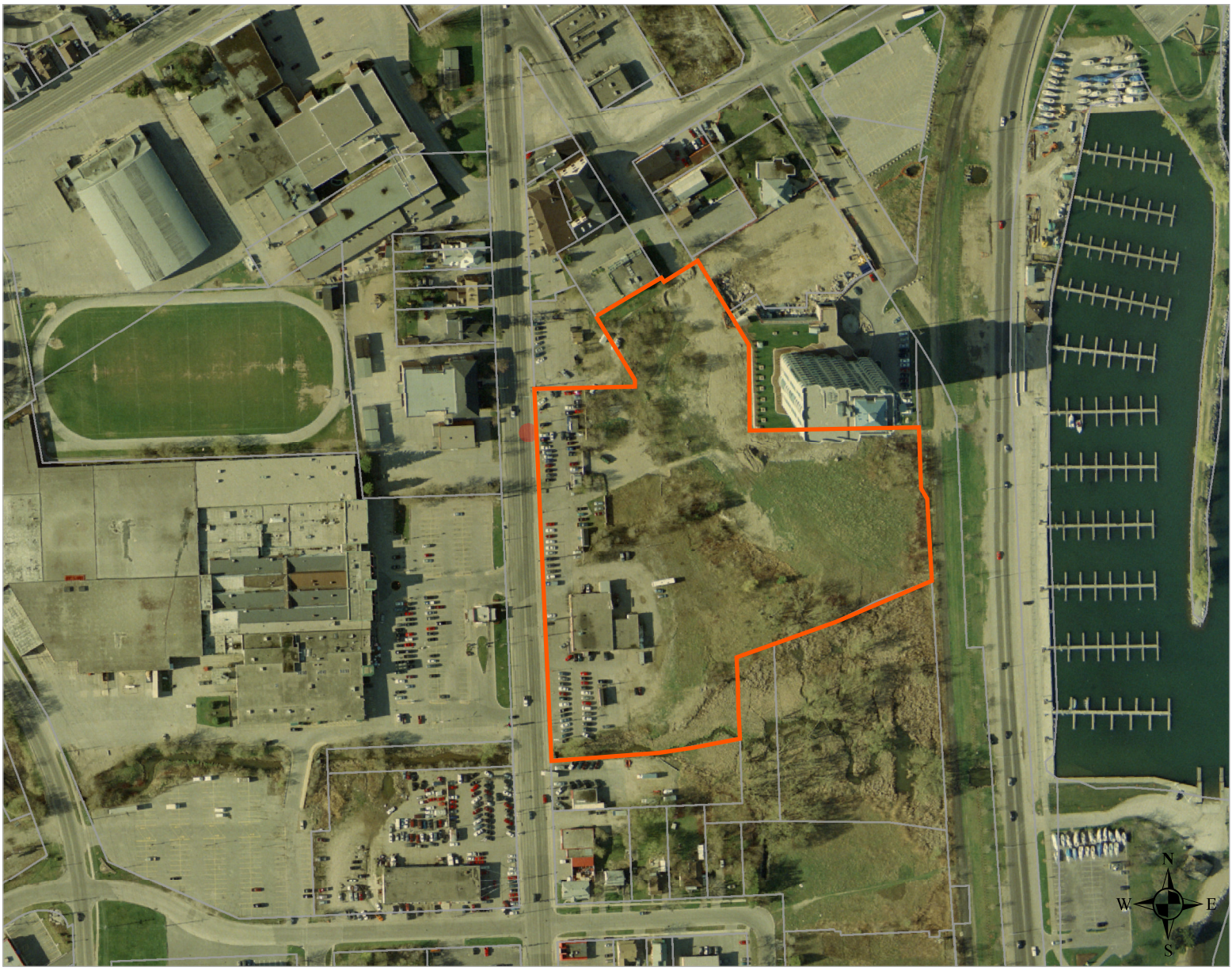
0 0.05 0.1 0.2 km

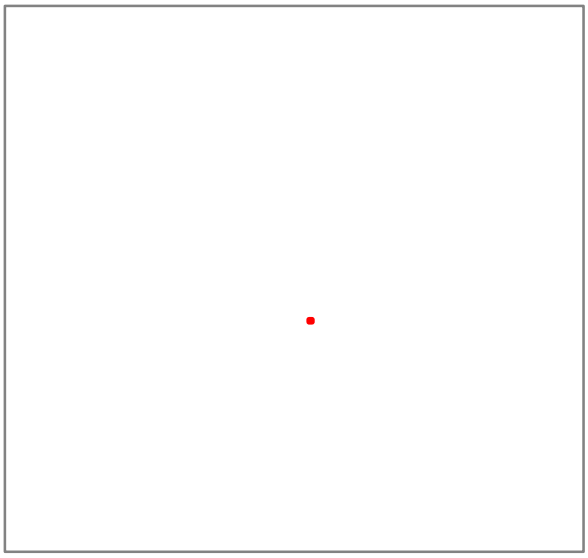
1:4,514

November 24, 2019

County of Simcoe - Web Map

Aerial Map - 2002





- Municipal Border
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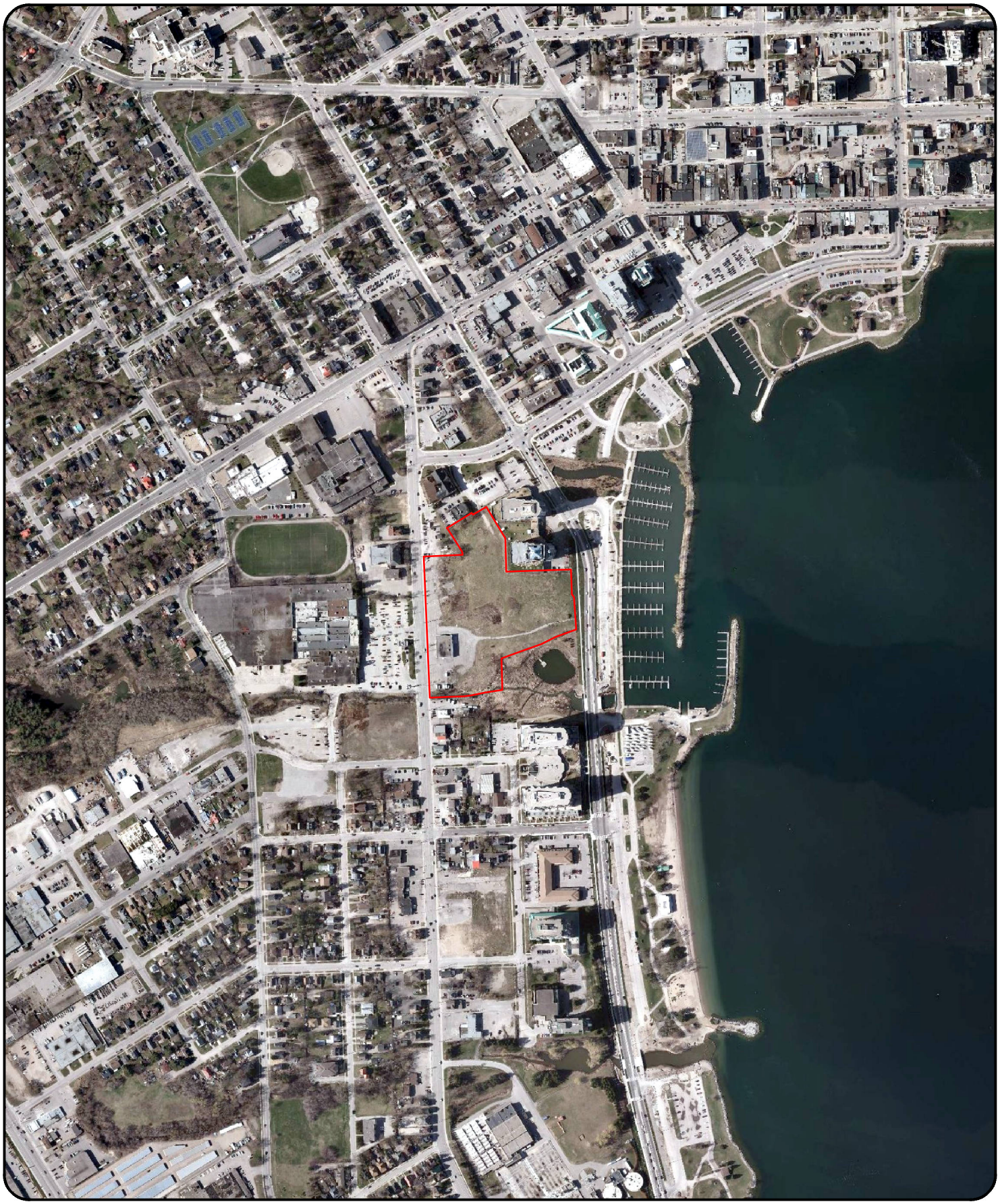
0 0.05 0.1 0.2 km

1:4,514

November 24, 2019



0 0.125 0.25 0.5
Kilometers

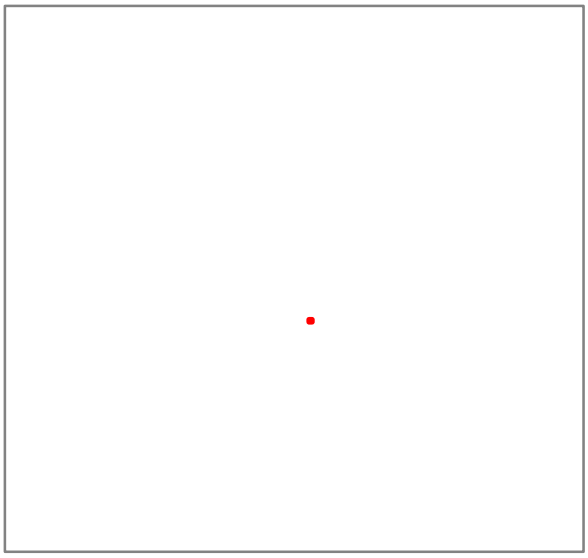
Order Number: 20191107166

Year: 2013
Source: DigitalGlobe
Map Scale: 1: 10000
Comments:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

County of Simcoe - Web Map

Aerial Map - 2018



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0 0.05 0.1 0.2 km

1:4,514

November 24, 2019

Appendix I
Site Photographs

Photo 1 - View to the west of the Site building (Sept 13, 2019)

Photo 2 - View to the southeast of the Site building (Nov 8, 2019)

Site Photographs

Photo 3 - View to the west of interior of the Site building (Nov 8, 2019)

Photo 4 - View to the west of a concrete cut in the floor of the Site building (Nov 8, 2019)

Photo 5 - View to the south of interior of the historical reception area in the Site building (Nov 8, 2019)

Photo 6 - View of two pipe connections observed in the southeastern corner of the Site building (Nov 8, 2019)

Site Photographs

Photo 7 - View to the north of vacant land (historical tannery, bulk coal and wood storage areas) which comprises majority of the Site (Sept 13, 2019)

Photo 8 - View to the south of vacant land (approximate location of historical bulk coal and wood storage areas) just south of the Site building (Sept 13, 2019)

Photo 9 - View to the north of the vacant land (approximate location of historical tannery building) (Nov 8, 2019)

Photo 10 - View to the north of the northern adjacent commercial properties (approximate location of historical dry cleaner)

Site Photographs

Photo 11 - View to the north of the northern adjacent U-Haul Storage (approximate location of historical ironworks facility)

Photo 12 - View to the east of the eastern adjacent Lakeshore Drive and beyond of Kempenfelt Bay (Lake Simcoe).

Photo 13 - View to the south of the southern adjoining Bunker's Creek, artificial pond and beyond of a condominium building (Nov 8, 2019)

Photo 14 - View to the west of the western adjacent Bradford Street and beyond of Tim Horton's and a building currently occupied by retail/commercial tenants (former Canadian General Electric Co. assembly plant)

about GHD

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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