Ottawa-Carleton District School Board

Phase One Environmental Site Assessment
Earl of March Secondary School
4 The Parkway
Kanata, Ontario

MM1083

May 24, 2024

CM3 Environmental Inc.
5710 Akins Road Ottawa, Ontario K2S 1B8

1.0 EXECUTIVE SUMMARY

CM3 Environmental (CM3) was retained by the Ottawa-Carleton District School Board (OCDSB) to conduct a Phase One Environmental Site Assessment (ESA) for the property located at 4 The Parkway in Kanata, Ontario ("site" or "subject property"). The Phase One ESA was completed in support of a Site Plan Control application for an addition to the on-site building and not for a record of site condition (RSC). The Phase One ESA was completed following the requirements of the Canadian Standards Association (CSA) Standard Z768-01 and Ontario Regulation (O. Reg.) 153/04.

The Phase One ESA was completed under the supervision of Mr. Marc MacDonald, P.Eng., from CM3 Environmental. Mr. MacDonald has over 25 years of experience in contaminated lands consulting.

The Phase One ESA was completed through a site inspection, interviews and a records review consisting of aerial photographs, fire insurance plans, chain of title, city directory searches, Freedom of Information requests and the results of an Environmental Risk Information Services database search.

The subject property is irregular in shape and is bound by The Parkway to the north, multi-unit residential buildings to the east, Campeau Drive to the south, and institutional buildings (a library and community centre) and parkland to the west. One main building is on-site and has been used as a public school since opening in 1971. Multiple portable classroom units are present on-site on the south-west and north-west sides of the main building. The subject property is approximately 9.74 hectares and is mainly asphalt and grass covered. Trees are located sporadically at the south-west property boundary, the south property boundary, and in sections of the east driveway. One vehicle access point was present from the north from The Parkway and two vehicle access points were present from the south from Campeau Drive.

The subject property was developed in the late 1960s as a public school. Prior to first development the subject property was natural or agricultural land. The current surrounding land use is primarily residential and institutional. Historic surrounding land use was natural or agricultural land.

The historic records search and site inspection identified four on-site potentially contaminating activities (PCAs) and two off-site PCAs.

The four PCAs were identified on-site related to a diesel-powered generator, two former USTs (with known soil and groundwater impacts), a former AST, and a transformer. Two off-site PCAs were identified related to a former gasoline service station and a furnace oil spill.

Based on the evaluation of the PCAs, one APEC was identified on-site related to the former on-site USTs and associated soil and groundwater impacts that are monitored via a contaminant management plan put in place by CM3 in 2014. Contaminated media includes soil and groundwater and contaminants of concern include BTEX and PHCs F1-F4 fractions.

The APEC and contaminants of concern (COC) are summarized in the following table.

Areas of Potential Environmental Concern			
APEC	**Location**	**Cause of Concern**	**COCs**
1	Exterior south-west area of the building.	PCA 2 - Former underground fuel storage tank related to historic contaminant release on-site	BTEX, PHCs F1-F4

BTEX Benzene, toluene, ethylbenzene, xylenes

PHCs F1-F4 Petroleum hydrocarbons F1 to F4 fractions

It is CM3's opinion that the contaminants on-site that are above the applicable Ministry of the Environment, Conservation and Parks (MECP) site condition standards (SCS) have been delineated and the contaminant plume has stabilized (**Figure 5**). Groundwater monitoring is conducted twice a year. The distance between the limits of the contaminated area and the proposed addition is approximately 90 meters (m). Based on the above, CM3 does not recommend a Phase Two ESA as part of the work for the proposed addition at the north end of the building. If work (such as rerouting utilities) does occur near the contaminant plume, it is recommended that additional remedial action be taken.

A project specific Designated Substance Survey should be conducted prior to the disturbance of building materials at the site.

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2.0 INTRODUCTION

CM3 Environmental was retained by the OCDSB to conduct a Phase One ESA for the property located at 4 The Parkway in Kanata, Ontario. The Phase One ESA was completed in support of a Site Plan Control application for an addition to the on-site building and not in support of an RSC.

2.1 Phase One Property Information

The subject property is located on the south side of The Parkway in Kanata, Ontario. The legal description is PT LT 3, CON 3, AS IN CT116346 ; KANATA/MARCH and the property identification number is 04513−0453 (LT). The site land use is designated as minor institutional (I1A). The site location is provided as **Figure 1**. Photographs of the site are provided in **Appendix A**.

CM3 was retained by Mr. Barry Boyd on behalf of the OCDSB to conduct the Phase One ESA. The contact information for Mr. Boyd is provided below:

Barry Boyd
Project Officer, Architectural & Engineering
Design & Construction Services, Facilities Department
Ottawa-Carleton District School Board
(613)-596-8746
barry.boyd@ocdsb.ca

The current owner of the subject property is the Ottawa-Carleton District School Board.

3.0 SCOPE OF INVESTIGATION

The Phase One ESA was completed at the request of Mr. Boyd on behalf of the OCDSB in support of a Site Plan Control application for a proposed building addition to the north-west side of the existing on-site building and a new parking lot at the north-north-west end of the site. The Phase One ESA was not completed in support of filing a RSC. The objective of the Phase One ESA was to evaluate the environmental condition of the subject property and properties within a 250 m radius of the property boundary (Phase One study area). The Phase One ESA included a review of current activities and historic activities/information for the subject property and Phase One study area to identify potentially contaminating activities. If PCAs were identified, they were evaluated based on the site conditions to assess if they represented an area of potential environmental concern at the subject property.

CM3 completed the Phase One ESA following the requirements of the CSA Standard Z768-01 and O. Reg. 153/04. The general scope of work for the Phase One ESA included:

- A review of readily available historical documents, aerial photographs and geology/soils maps;
- A review of records from municipal, provincial and federal agencies and private source databases;
- Reconnaissance of the subject property to evaluate the current condition of the site;
- Interviews with persons knowledgeable of the history of the subject property; and
- The preparation of the Phase One ESA report.

4.0 RECORDS REVIEW

4.1 General

CM3 completed a review of historical records relevant to the subject property, including historical databases, geological maps, aerial photographs, and readily available reports. A radius of 250 m from the subject property was investigated to identify PCAs as provided by O. Reg. 153/04. Environmental Risk Information Services (ERIS), a private environmental information service, provided the majority of the historical records in their standard search radius of 250 meters. A standard ERIS historical report was requested to provide records from governmental (Federal and Provincial) databases, and private source records, as outlined in O. Reg. 153/04. An ERIS physical setting report (PSR) was also requested to provide physical information about the Phase One study area, including physiography, topography, surficial and bedrock geology, and information about areas of natural and scientific interest. The ERIS request included an Opta Enviroscan report to provide insurance information relevant to the subject property. The findings of the historical records review are incorporated into the following sections.

4.1.1 Phase One Study Area Determination

The Phase One study area included the subject property at 4 The Parkway and all properties partly or wholly within a 250 m radius of the property boundary. A radius of 250 m was selected following the requirements provided by O. Reg. 153/04. The 250 m radius from the subject property boundary was determined to be sufficient since the properties located within and beyond the 250 m radius are similar land use designation. The Phase One study area did not include any properties beyond the 250 m radius. The Phase One study area is illustrated on **Figure 2**.

4.1.2 First Developed Use Determination

Based on site reconnaissance, historical photographs, and the historical records search, the subject property was developed in the late 1960s to include a public school. Prior to development, the site was agricultural or natural lands. Surrounding properties were of similar historic land use.

4.1.3 Fire Insurance Plans

A fire insurance plan (FIP) search was requested from ERIS. The search returned a 1997 “School Board Property Survey” completed by General Accident. The 1997 property survey report is summarized as follows:

The report indicates that the on-site building was three storeys and was constructed in 1968 with renovations in 1995 and 1996. The wall construction was described as 100% solid masonry and the roof as flat with tar and gravel. The heating system was described as a gas fired boiler. An 900-litre (L) above ground fuel storage tank (AST) was identified in room #14 as an emergency back-up. It was indicated that an older underground fuel storage tank (UST) was removed, and the associated vent and fill piping was capped off. 15 L of flammable and/or combustible liquids (solvents, developers, inks, paints, etc.) were identified to be safely stored within the building. The

report indicates that asbestos and polychlorinated biphenyls (PCBs) are present within the school. Information regarding crime in the area, fire protection, and general comments are also provided.

The former AST and UST described in the 1997 School Board Property survey report represents an environmental concern at the subject property. The ERIS FIP search results are provided in **Appendix B**.

4.1.4 Chain of Title

A title search was requested from ERIS. The search returned records from crown ownership (1828) to present. The current owner of the subject property is the Ottawa-Carleton District School Board. No environmental concerns were identified based on review of the chain of title. The chain of title record is provided in **Appendix C**.

4.1.5 City Directory Search

A city directory search was requested from ERIS. The search returned records between the years 1991 and 2021 and show the operation of a public school. Environmental concerns at the subject property were not identified in the city directory search. The city directory search is provided in **Appendix D**.

4.1.6 Environmental Reports

The following environmental reports were available for review and are summarized below:

1. CM3 Environmental. *Phase I Environmental Site Assessment,* Earl of March Secondary School, 4 The Parkway, Kanata, ON. Dated June 4, 2013.

CM3 was retained by the OCDSB to complete a Phase I ESA at the subject property. The Phase I ESA was performed in accordance with CSA standard Z768 and in general accordance with O. Reg. 511/09. The objective of the Phase I ESA was to identify potential or actual environmental concerns and/or liabilities on the site associated with activities at the site and/or from activities on surrounding properties.

CM3 identified the following environmental concerns at the subject property:

- Two former USTs located at the exterior of the school, outside of the mechanical room;
- Diesel fuel spillage in the vicinity of the emergency generator; and
- The presence of designated substances including asbestos, lead, mercury, silica, and polychlorinated biphenyls (PCBs).

Based on the findings of the Phase I ESA, CM3 recommended a Phase II ESA at the site related to the former USTs and diesel spillage.

2. CM3 Environmental. *Phase II Environmental Site Assessment,* Earl of March Secondary School, 4 The Parkway, Kanata, ON. Dated October 8, 2013

CM3 was retained by the OCDSB to conduct a Phase II ESA at the subject property. The Phase II ESA was conducted in support of a Site Plan Control Application related to a proposed addition at the south end of the subject building. The Phase II ESA was conducted in accordance with CSA standard Z768 and O. Reg. 153/04. The APECs identified in the 2013 Phase I ESA were investigated as part of the 2013 Phase II ESA.

CM3 advanced 24 boreholes, 23 of which were converted to monitoring wells. The laboratory analytical results indicated that ten boreholes had soils which exceeded the Ministry of the Environment (MOE) Table 3 site condition standards (SCS) for PHCs and/or BTEX, two monitoring wells with groundwater that exceeded the MOE Table 3 SCS for PHCs and/or BTEX, and six monitoring wells with liquid phase hydrocarbons (LPH).

Based on the findings of the Phase II ESA, CM3 recommended additional investigation and remediation at the site.

3. CM3 Environmental. *Environmental Monitoring and Contaminant Management Plan – 2023-2024* Earl of March Secondary School, No. 4 The Parkway, Kanata, ON. Dated May 24, 2024.

CM3 was retained by the OCDSB to conduct environmental monitoring related to historic petroleum hydrocarbon impacts identified at the subject property. The petroleum impacts were discovered during a Phase II ESA in 2013. Following the 2013 Phase II ESA, CM3 advanced 24 boreholes to delineate the impacts. The results of the delineation sampling identified petroleum impacted soil and groundwater on the exterior south-west side of the school. It was noted that the contaminant plume was likely stable but additional groundwater sampling would be required to monitor the plume and provide effective remedial solutions.

CM3 provided a contaminant management plan which included the following recommendations: the monthly installation of product recovery socks in monitoring wells with liquid phase hydrocarbons and the installation of oxygen socks in surrounding wells to enhance biological degradation of contaminants, bi-annual groundwater sampling, and an annual contaminant management plan. It was recommended that more rapid remedial techniques be reviewed should funding become available.

CM3 has provided annual environmental monitoring and contaminant management plan reports since the initial report summarized above. The findings of the most recent report (dated May 24 2024) summarizing the groundwater monitoring completed since 2013 indicated that the contaminant plume has remained stable and decreasing. The extent of the PHC impacts is shown on **Figure 5**.

Based on CM3's review of the previous environmental reports, environmental concerns are present at the subject property.

4.2 Environmental Source Information

Freedom of Information Requests

CM3 completed a freedom of information request on the subject property from the Ontario Ministry of the Environment, Conservation and Parks (MECP), from the Technical Standards and Safety Authority (TSSA), and from the City of Ottawa Historic Land Use Inventory (HLUI). The MECP did not find records for the subject property. Records from the TSSA and the City of Ottawa have been received and are summarized below:

The TSSA records are related to a 2017 boiler explosion in the basement mechanical room. The boiler was a natural gas fired, hot water boiler. The unit was made safe and passed TSSA inspection following the remediation of non-compliance issues. Environmental concerns were not identified based on the review of the TSSA records.

The City of Ottawa HLUI search identified the following businesses within 250 m of the subject property: manufacturing, hospitals, men's and boy's clothing industries, hydraulic cement industry, and gasoline service stations. The former gasoline service station identified at 988 Teron Road may represent an environmental concern at the subject property.

The freedom of information documents are provided in **Appendix E**.

ERIS Records Review

An ERIS historical records database search was requested for the site and the surrounding properties within a 250 m radius. The databases that were searched are listed in the ERIS database report, **Appendix G**. The search provided eighteen records for the subject property and twenty-one records within the Phase One study area as of April 4, 2024. The records are provided in the ERIS Report (**Appendix G**) and summarized as follows:

Subject Property

- One Certificate of Approval;
- One Environmental Compliance Approval;
- One ERIS Historical Search; and
- Fifteen Ontario Regulation 347 Waste Generators Summary.

Phase One Study Area (Surrounding Properties within 250 m radius)

- One Borehole record;
- Fourteen Ontario Regulation 347 Waste Generators Summary;
- One Fuel Oil Spills and Leak record;
- One Pipeline Incident record;
- One Ontario Spills record; and
- Three Water Well Information System records.

One PCA was identified based on the evaluation of the records related to a furnace oil spill in 960 Teron Road. No other records were found to be of environmental concern at the subject property.

A total of thirteen records were identified in the database search but were unplottable sites (i.e., location unknown). The unplottable reports are provided in the ERIS database report (**Appendix F**) and summarized:

- Six Certificates of Approval;
- Two Environmental Compliance Approvals;
- One Retail Fuel Storage Tank record; and
- Four Water Well Information System records;

CM3 reviewed the unplottable record details to determine if the listed sites were within the Phase One study area. The locations of the above records were outside of the Phase One study area or could not be confirmed. It is not likely that the above records present an environmental concern at the subject property.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Aerial photographs were obtained from ERIS. Aerial photographs from 1934, 1946, 1959, 1964, 1976, 1985, 1991, 2002, 2011, and 2023 were available for review. Observations from the aerial photographs are provided in the following table:

Table 1: Aerial Photographs

Property	Date(s)	Observations
Subject Property	1934-1964	Natural and/or agricultural lands.
	1976	One building is present on site with an asphalt parking lot on the north side.
	1985	Similar to the 1976 photograph. Portable classroom units or outbuildings appear to be present on the west side of the building.
	1991	Similar to the 1985 photograph.
	2002-2011	Similar to the 1991 photograph.
	2023	An addition was added to the south-east end of the building. Additional portable classroom units are present on the exterior north side of the building.
North	1934-1964	Natural and/or agricultural lands.
	1976	The Parkway is present with vacant land beyond. Residential buildings and a potential gasoline service station (Intersection of The Parkway and Teron Road) are present.
	1985-1991	Additional residential buildings are present.
	2002	Similar to the 1985 photograph. The (potential) gasoline service station was removed.

Table 1: Aerial Photographs		
Property	**Date(s)**	**Observations**
	2011-2023	Similar to the 1985 photograph. A multi-unit residential building is in the location of the former (potential) gasoline service station.
East	1934-1964	Natural and/or agricultural lands. Sporadic buildings are present (likely barns and/or farmhouses).
	1976-2023	A multi-unit residential building is present or under construction. Teron Road and residential buildings are present beyond.
South	1934-1964	Natural and/or agricultural lands. Sporadic buildings are present (likely barns and/or farmhouses).
	1976-1991	A portion of Campeau Drive is present with natural and/or agricultural lands beyond.
	2002	Campeau Drive is present with residential buildings under development beyond.
	2011-2023	Campeau Drive is present with residential buildings present beyond.
West	1934-1964	Natural and/or agricultural lands.
	1976-2023	A paved running track is present with The Parkway beyond.

Environmental concerns may be present at the subject property based on the potential presence of the gasoline service station identified to the north of the site in the 1976 aerial photograph. No other environmental concerns were identified at the subject property based on review of the aerial photographs. The ERIS aerial photographs are provided in **Appendix G**.

4.3.2 Topography, Hydrology, Geology

The site elevation is approximately 95.88 meters above sea level (m asl) and is relatively flat lying. The area surrounding the subject property slopes downward from south to north. Surface drainage at the subject property is likely controlled by surface coverings (grass and pavement) and site grading. It is likely that most of the surface drainage is by infiltration in the grass covered areas and by overland flow to storm water catch basins surrounding the on-site building. Wetlands were not identified within the Phase One study area.

Surface soils within the Phase One study area were described as clay, silt, sand, gravel, and diamicton with variable permeability. Bedrock geology within the Phase One study area was described as diorite, gabbro, peridotite, anorthosite, and derived metamorphic rocks of the neo- to Mesoproterozoic era.

The details of the topography, surficial geology, bedrock geology, and associated maps are provided in the ERIS PSR, **Appendix H**.

4.3.3 Fill Materials

Information regarding fill materials was not available. No deleterious fill piles were noted on site.

4.3.4 Water Bodies, Areas of Natural and Scientific Interest, and Ground Water Information

A water course was identified on the Ontario Base Map (OBM) within the Phase One study area to the south of the site. The water course was not identified during the site reconnaissance or on recent aerial photographs; it is suspected that the water course has been rerouted due to development in the area.

No areas of natural and scientific interest (ANSI) were identified within the Phase One study area.

The Ottawa River is located approximately 4.80 km north of the subject property. Based on the regional topography and the presence of local water bodies, the inferred regional groundwater direction was north toward the Ottawa River.

Several monitoring wells were identified on the exterior south-west side of the on-site building. The monitoring wells are for annual monitoring as part of the contaminant management plan described in section *4.1.6.* above. Well head protection areas were not identified within the Phase One study area.

Maps showing waterbodies and information regarding ANSI are provided in the ERIS PSR, **Appendix H**.

4.3.5 Well Records

Three well records were identified in the Phase One study area in the WWIS. The well records did not contain enough data to interpret regional soil stratigraphy or hydrology. The WWIS records are provided in the ERIS PSR, **Appendix H**.

4.4 Site Operating Records

There were no operating records available for review. General information regarding the site and surrounding lands history was gathered during the site interviews and the review of historical information. The information regarding the historic site and surrounding land use is incorporated into the appropriate sections of this report.

5.0 INTERVIEWS

CM3 conducted an in-person interview with the chief custodian of Earl of March Public School, Mr. Chris Vallati. Information regarding site activities, heating systems and chemical storage areas was provided by Mr. Vallati. The information gathered in the interview is incorporated into the appropriate sections of this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

CM3 conducted the site investigation on April 11, 2024 from approximately 10 AM to 12 PM. Weather conditions during the site investigation were rain and 10 ºC. The investigation was conducted by Mr. Ethan Risk, B.Eng. of CM3 Environmental. The subject property was operational at the time of the investigation; apart from most classrooms, all indoor and outdoor areas were fully accessible. Site photographs are provided in **Appendix A**.

Site Description

The subject property is irregular in shape and is bound by The Parkway to the north, residential high-rise buildings to the east, Campeau Drive to the south, and institutional buildings (a library and community centre) and parkland to the west. One main building is on-site and has been used as a public school since opening in 1971. Multiple portable classroom units are present on-site on the south-west and north-west sides of the main building. The subject property is approximately 9.74 hectares and is mainly asphalt and grass covered. Trees are located sporadically at the south-west property boundary, the south property boundary, and in sections of the east driveway. One vehicle access point was present from the north from The Parkway and two vehicle access points were present from the south from Campeau Drive. The subject property is shown on **Figure 4**. Photographs of the subject property are provided in **Appendix A**.

Adjacent Properties

The subject property is located within an area of primarily residential and institutional land use. The surrounding properties are summarized in the following table:

Table 2: Adjacent Property Use

Direction	Description
North adjacent	Multi-unit residential
North beyond	The Parkway, residential, parkland
East adjacent	Multi-unit residential
East beyond	Teron Road, residential
South adjacent	Campeau Drive
South beyond	Residential
West adjacent	Parkland
West beyond	The Parkway

The Phase One study area is shown in **Figure 2**.

6.2 Specific Observations at Phase One Property

Structures and Buildings

There is one main building on-site with more than 20 portable classroom units on the exterior south-west and north sides of the main building.

Below Ground Structures

The main building has a basement. A sump pit is located in mechanical room B001. No other underground structures were identified.

Storage Tanks

A diesel-powered generator (SDMO J160) was located on the exterior south-west side of the on-site building. The generator has a built-in fuel storage tank and is on a concrete pad. No evidence of leaking or spillage was observed. No other fixed fuel storage tanks were identified at the subject property. Hot water tanks and natural gas fired boilers were identified in mechanical rooms within the school.

Water Supply

Municipal water is supplied to the site from Campeau Drive.

Underground Utilities

Water and natural gas are presumed to enter the site underground from the south-east from Campeau Drive. Additional underground utilities may be present but were not identified.

Features of On-Site Structures and Buildings

The subject building is a two-storey north-east facing brick and concrete structure with a basement and a poured concrete foundation. The footprint of the building was approximately 12,700 m^2. The building was originally constructed in 1970 with an addition at the south-east end in 2014 and multiple renovations throughout the years. The roof is a flat asphalt roof with natural gas powered HVAC units and solar panels. Interior finishes included (but were not limited to) drywall, plaster, brick, acoustic ceiling tiles, vinyl floor tiles, and terrazzo. Multiple man-doors were present on all sides of the building. A sump pit was located in the basement mechanical room (B001). Floor drains were identified in various washrooms and mechanical rooms and are presumed to connect to the municipal sewer system. The building was heated by forced-air, natural gas fired boilers located in a basement mechanical room. The building was formerly heated by fuel oil fired boilers. Two USTs were located on the south-west side of the building and stored the fuel oil; there is no environmental information regarding the removal of the USTs. CM3 has monitored contaminated soil and groundwater in the area of the USTs which is further discussed in section *4.1.6.* above.

More than 20 portable classroom units were on-site at the time of the site investigation. The number of portable units on-site has varied over the years. The portable classroom units were occupied at the time of the assessment and could not be accessed. Based on previous investigations completed at the site by CM3, the interior finishes of the portable units consisted of (but were not limited to) vinyl floor tiles, acoustic ceiling tiles, and gypsum board. The portable units typically have a pitched asphalt roof system and are constructed of wood on concrete pads. The exterior cladding consisted of sheet metal. Electricity is provided to the portable units by overheard wires from the main building. Water is not believed to be supplied to the portable units.

Wells

Multiple monitoring wells were identified on-site on the exterior south-west side of the on-site building. Three wells records were identified in the WWIS within the Phase One study area.

Sewage Works and Wastewater

Wastewater is discharged to the municipal sewer system on Campeau Drive.

Ground Surface

The general ground cover is asphalt and grass. The general groundcover is indicated on **Figure 4** and in the site photographs, **Appendix A**.

Railway Lines or Spurs

There were no railway line or spurs on the subject property or within the Phase One study area.

Areas of Stained Soil, Vegetation or Pavement

No areas of stained soil, vegetation, or pavement were observed on-site. Staining (likely rust and water) was observed around floor drains in the boiler room.

Stressed Vegetation

Stressed vegetation was not observed at the time of the site visit.

Fill or Debris

Fill and/or debris was not observed during the site reconnaissance.

Potentially Contaminating Activities

Potentially contaminating activities are listed and numbered in O. Reg. 153/04, Schedule D; Table 2. The following potentially contaminating activities were identified during the site visit and based on the site interview:

- Item 55 – Transformer Manufacturing, Processing and Use. A transformer was identified on the exterior south-west side of the school.
- Item 28 – Gasoline and Associated Products Storage in Fixed Tanks. Current diesel generator with built in fuel storage tank on the exterior south-west side of the school.

Further details regarding the PCAs are discussed in section 7.2.

Unidentified Substances

Unidentified substances were not observed at the subject property.

Solid (Non-hazardous) Waste

Solid household waste is picked up from the site weekly. Solid waste concerns were not identified at the subject property.

Hazardous Waste

Hazardous waste was not observed during the site reconnaissance. Chemical storage for cleaning and laboratory use were observed on-site in minor quantities.

Existing Groundwater Issues

Based on the review of available environmental reports (discussed in section 4.1.6) historic groundwater issues are present at the site.

Air Emissions

The OCDSB has a Certificate of Approval (number 4219-84GK5P) from the MECP for exhaust systems from four laboratory fume hoods in the main on-site building. No concerns were identified regarding air emissions at the site.

Designated Substances

Individual designated substance regulations have been developed for eleven contaminants and are enforced by the Ministry of Labour (MOL) under the Occupational Health and Safety Act (OHSA). Special regulations were made to prohibit, regulate, restrict, limit, or control worker exposure to designated substances due to their toxic nature. The designated substances identified in OHSA include: Asbestos, Arsenic, Lead, Ethylene Oxide, Mercury, Silica, Vinyl Chloride, Benzene, Coke Oven Emissions, Acrylonitrile, and Isocyanates.

The building on the subject property is known to have designated substances (primarily asbestos and lead). CM3 did not conduct any sampling to confirm or refute the presence of suspected designated substances as part of the Phase One ESA. Sampling for designated substances should be completed on a project-by-project basis.

Polychlorinated Biphenyls

Polychlorinated Biphenyls (PCBs) may be present in transformers, capacitors, electromagnets, heat transfer units, and fluorescent lamp ballasts. Fluorescent lamp ballasts were present throughout the school. One transformer was on a concrete pad on the exterior south side of the school. The transformer identified appeared to be in good condition and no staining was observed.

Ozone-Depleting Substances

Ozone depleting substances (ODSs) are commonly found in refrigerants in heat pumps, refrigerators, freezers, and air conditioners (A/C). A/C units and refrigerators were observed at the site and may contain ODSs.

Urea Foam Formaldehyde Insulation

Urea foam formaldehyde insulation was not observed but may be present in within concealed wall and/or ceiling cavities.

Radon

The Health Canada Radon Information was included in the ERIS PSR. The reported radon ranking for the site is high. The radon information is provided in the ERIS PSR, **Appendix H**. Radon testing was not completed as part of the Phase One ESA.

Herbicides and Pesticides

No herbicides or pesticides were observed at the subject property.

Dry-Cleaning Operations

Dry cleaning operations were not identified at the subject property or within the Phase One study area.

6.2.1 Enhanced Investigation Property

The subject property is not considered an Enhanced Investigation Property.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

The subject property has been the location of a public education institution since first development in the late 1960s. Prior to first development the land use was agricultural or natural lands.

7.2 Potentially Contaminating Activities

Potentially contaminating activities are listed and numbered in O. Reg. 153/04, Schedule D; Table 2. The PCAs identified at the subject property are provided in the following table and on **Figure 3**.

Table 3: Subject Property Potentially Contaminating Activities			
PCA #	**PCA**	**Location**	**Description of Activity**
1	Item 28 – Gasoline and Associated Products Storage in Fixed Tanks	Exterior west side of the building	Diesel powered generator.
2	Item 28 – Gasoline and Associated Products Storage in Fixed Tanks	Exterior south-west side of the building	Former fuel oil USTs and historically PHC impacted soil and groundwater.
3	Item 28 – Gasoline and Associated Products Storage in Fixed Tanks	South-west basement mechanical room.	Former fuel oil AST for backup generator.
4	Item 55 – Transformer Manufacturing, Processing and Use	Exterior south-west side of the building	Ground mounted transformer use.

The PCAs identified within the Phase One study are provided in the following table and on **Figure 3**.

Table 5: Phase One Study Area Potentially Contaminating Activities			
PCA #	**PCA**	**Location**	**Description of Activity**
5	Item 28 – Gasoline and Associated Products Storage in Fixed Tanks	988 Teron Road	Former gasoline service station.
6	Item 28 – Gasoline and Associated Products Storage in Fixed Tanks	960 Teron Road	5 L furnace oil spill.

7.3 Areas of Potential Environmental Concern

The above PCAs were evaluated with respect to the age and location (source) of the PCAs and potential pathways/migration to the subject property. Based on the evaluation of the PCAs, one APEC was identified at the subject property. The APEC identified at the subject property is provided in the following table and on **Figures 4 and 5**.

Table 6: Areas of Potential Environmental Concern			
APEC	**Location**	**Cause of Concern**	**COCs**
1	South-west exterior of building	Former underground fuel oil storage tanks related to historic contaminant release on-site.	BTEX, PHCs F1-F4 fractions.

7.4 Phase One Conceptual Site Model

The subject property was operational as a public school at the time of the investigation. A watercourse was identified on the OBM to the south-east of the subject property but was not identified during site reconnaissance or on recent aerial photographs and is suspected to have been rerouted during development activities. The Ottawa River is approximately 4.80 km north of the site. The regional groundwater flow direction was inferred to be north toward the Ottawa River. Areas of natural and scientific interest (ANSI) and wetlands were not identified within the Phase One study area.

A Phase One conceptual site model (CSM) was developed based on the information collected as part of this investigation.

Four PCAs were identified on-site related to a diesel-powered generator, former USTs (with known soil and groundwater impacts), a former AST, and a transformer. Two off-site PCAs were identified related to a former gasoline service station and a furnace oil spill. Based on the evaluation of the PCAs, one APEC was identified on-site related to the former on-site USTs and associated soil and groundwater impacts that are monitored via a contaminant management plan put in place by CM3 in 2014. Contaminated media includes soil and groundwater and contaminants of concern include BTEX and PHCs F1-F4 fractions.

Underground services (gas and water) are provided to the site and come from the south-east from Campeau Drive. Stormwater catch basins were identified surrounding the on-site building. Drainage on the subject property is likely by infiltration on the grass covered areas and overland flow to the catch basins on the asphalt covered areas.

Surface soils within the Phase One study area were described as clay, silt, sand, gravel, and diamicton with variable permeability. Bedrock geology within the Phase One study area was described as diorite, gabbro, peridotite, anorthosite, and derived metamorphic rocks of the neo- to Mesoproterozoic era.

8.0 CONCLUSIONS

CM3 Environmental was retained by Mr. Barry Boyd on behalf of the OCDSB to conduct a Phase One ESA for the property located at 4 The Parkway, Kanata, Ontario. The Phase One ESA was completed in support of a Site Plan Control application with the City of Ottawa and not in support of the filing of a record of site condition.

The findings of the Phase One ESA identified one APEC on the subject property due to former USTs on the southwest side of the building with history of soil and groundwater contamination. The contaminants of concern included BTEX and PHCs F1-F4 fractions, and potentially contaminated media included soil and groundwater.

8.1 Requirement for a Phase Two ESA

Based on the above, it is CM3's opinion that the contaminants on-site that are above the applicable MECP SCS have been delineated and the contaminant plume has stabilized. The distance between the limits of the contaminated area and the proposed addition is approximately 90 m. Based on the above, CM3 does not recommend a Phase Two ESA as part of the Site Plan Control application for the proposed addition. If work does occur near the contaminant plume (such as rerouting utilities), it is recommended that remedial action be taken.

9.0 REFERENCES

Ontario Ministry of Environment, Conservation and Parks. Guide for completing phase one environmental site assessments under Ontario Regulation 153/04. Available online at https://www.ontario.ca/page/guide-completing-phase-one-environmental-site-assessments-under-ontario-regulation-15304

Province of Ontario. Regulation 153/04 available online at https://www.ontario.ca/laws/regulation/040153

Canadian Standards Association. Z768-01 (R2012) Phase One Environmental Site Assessment

City of Ottawa Online Mapping Tool. Available online at: https://maps.ottawa.ca/geoottawa/

10.0 LIMITATIONS

This report has been prepared and the work referred to in this report has been undertaken by CM3 Environmental Inc. for the OCDSB It is intended for the sole and exclusive use of the OCDSB, their affiliated companies and partners and their respective insurers, agents, employees, and advisors. Any use, reliance on, or decision made by any person other than the OCDSB based on this report is the sole responsibility of such other person. CM3 Environmental Inc. and the OCDSB make no representation or warranty to any other person with regard to this report and the work referred to in this report, and they accept no duty of care to any other person or any liability or responsibility whatsoever for any losses, expenses, damages, fines, penalties or other harm that may be suffered or incurred by any other person as a result of the use of, reliance on, any decision made or any action taken based on this report or the work referred to in this report.

The investigation undertaken by CM3 Environmental Inc. with respect to this report and any conclusions or recommendations made in this report reflect CM3 Environmental Inc.'s judgement based on the site conditions observed at the time of the site inspection on the date(s) set out in this report and on information available at the time of preparation of this report. This report has been prepared for specific application to this site and it is based, in part, upon visual observation of the site, as described in this report. Unless otherwise stated, the findings cannot be extended to previous or future site conditions, portions of the site which were unavailable for direct investigation. Substances other than those addressed by the investigation described in this report may exist within the site and substances addressed by the investigation may exist in areas of the site not investigated.

If site conditions or applicable standards change or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary.

Other than by the OCDSB, copying or distribution of this report or use of or reliance on the information contained herein, in whole or in part, is not permitted without the express written permission of CM3 Environmental Inc. Nothing in this report is intended to constitute or provide a legal opinion.

We trust that the above is satisfactory for your purposes at this time. Should you have any questions or concerns, please contact either of the undersigned.

Respectfully submitted,

CM3 Environmental Inc.

Ethan Risk, B.Eng.
Project Manager

Marc MacDonald, P.Eng., QP, EP
Principal

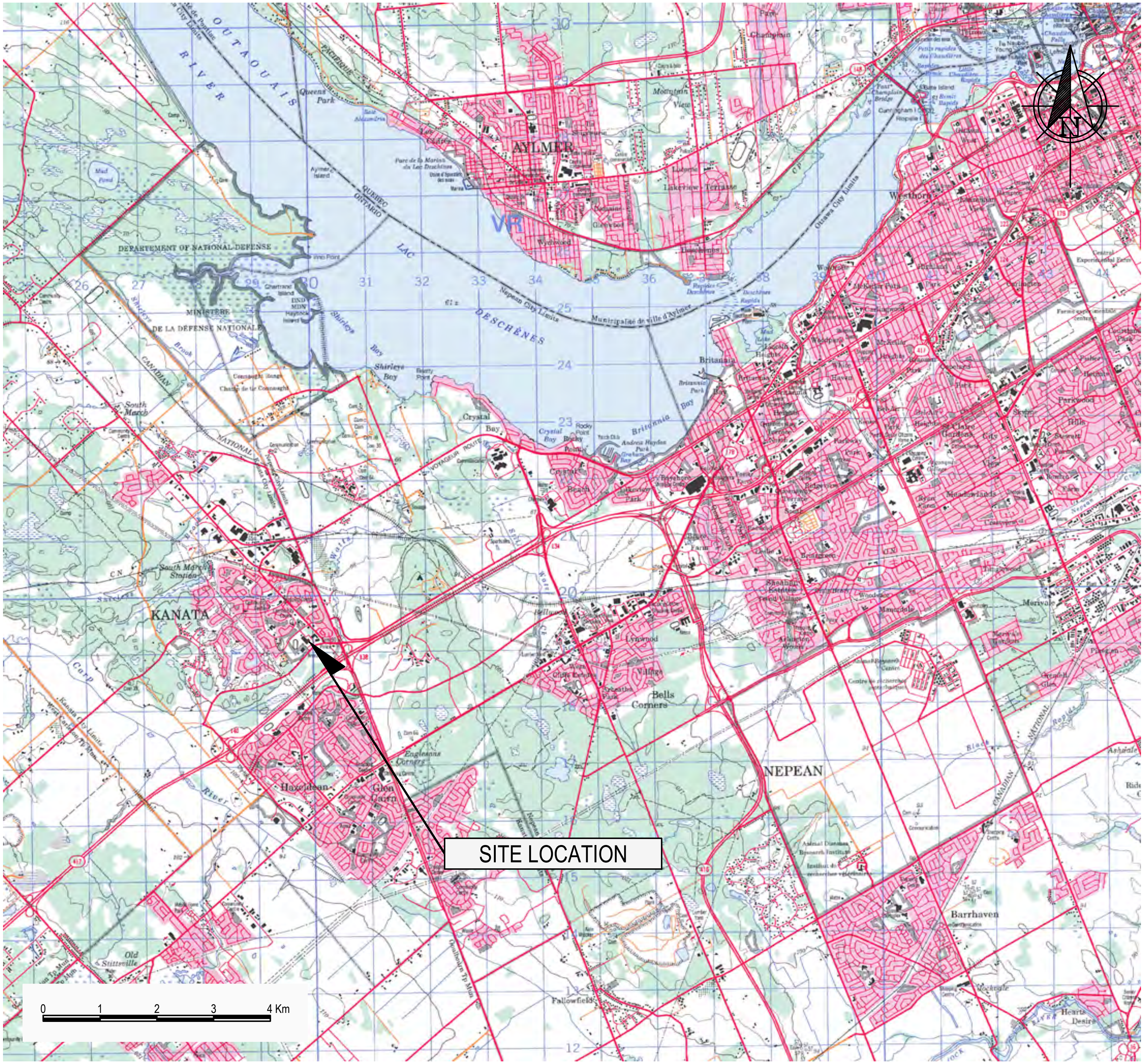
FIGURES

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083



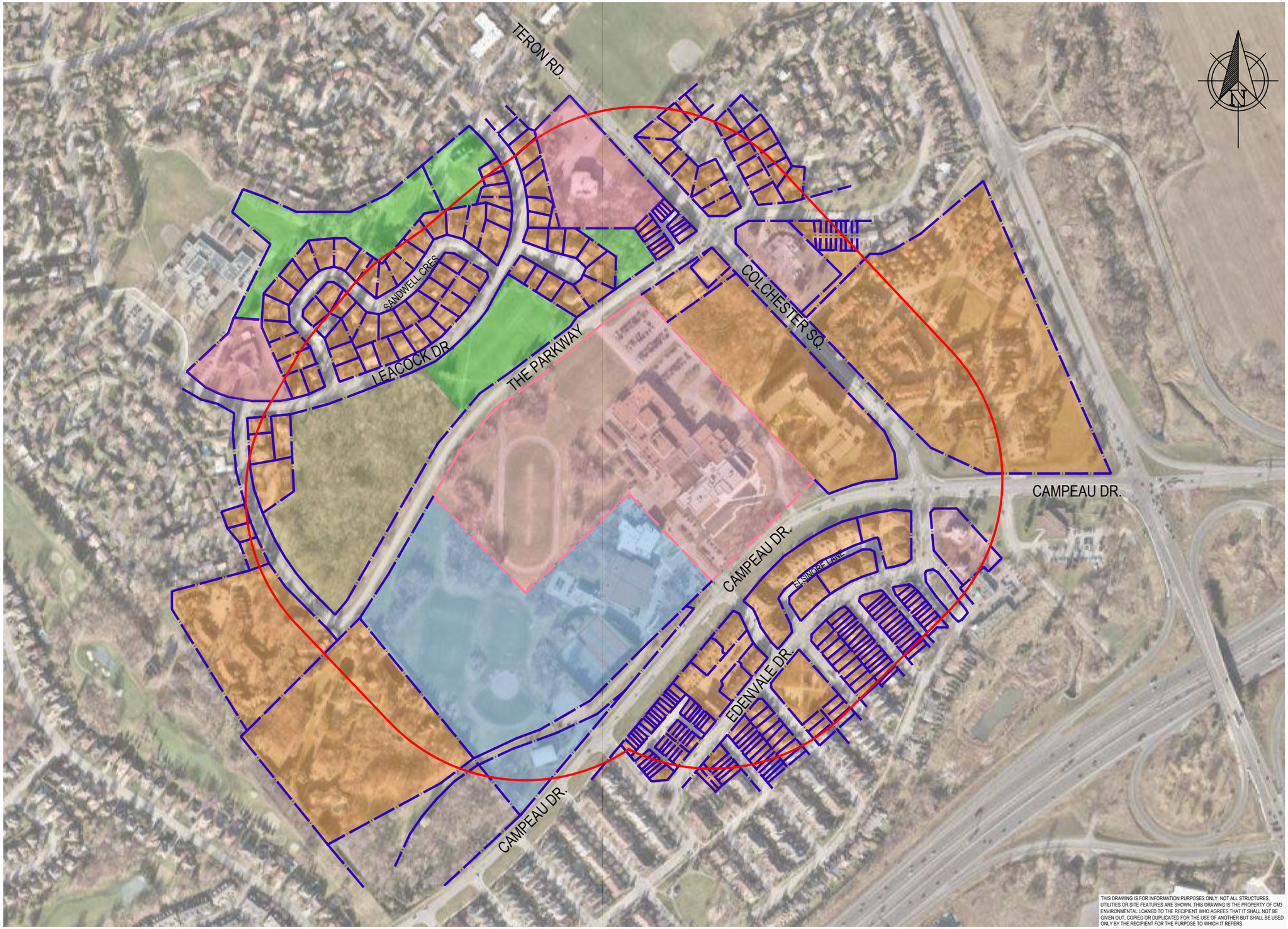
5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
EARL OF MARCH
SECONDARY SCHOOL
4 THE PARKWAY,
KANATA, ONTARIO

SITE LOCATION

Project: MM1083	Drawn By: KS
Date: MAY 2024	Reviewed By: MM
Scale: AS SHOWN	Figure: 1



LEGEND

- PROPERTY BOUNDARY
- SITE
- PHASE I STUDY AREA 250 m

ZONING DESIGNATION

- RESIDENTIAL
- INSTITUTIONAL
- OPEN SPACE / PARKLAND
- ENVIRONMENTAL PROTECTION
- COMMUNITY LEISURE

* - **SUBJECT PROPERTY ZONED AS INSTITUTIONAL.**

- REFER TO THE CITY OF OTTAWA ZONING BY-LAWS FOR FURTHER INFORMATION CONCERNING ZONE USE.

Scale 1:4000

0 40 80 120 160 m

(Approx. When plotted 11x17)

cm3 environmental

5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

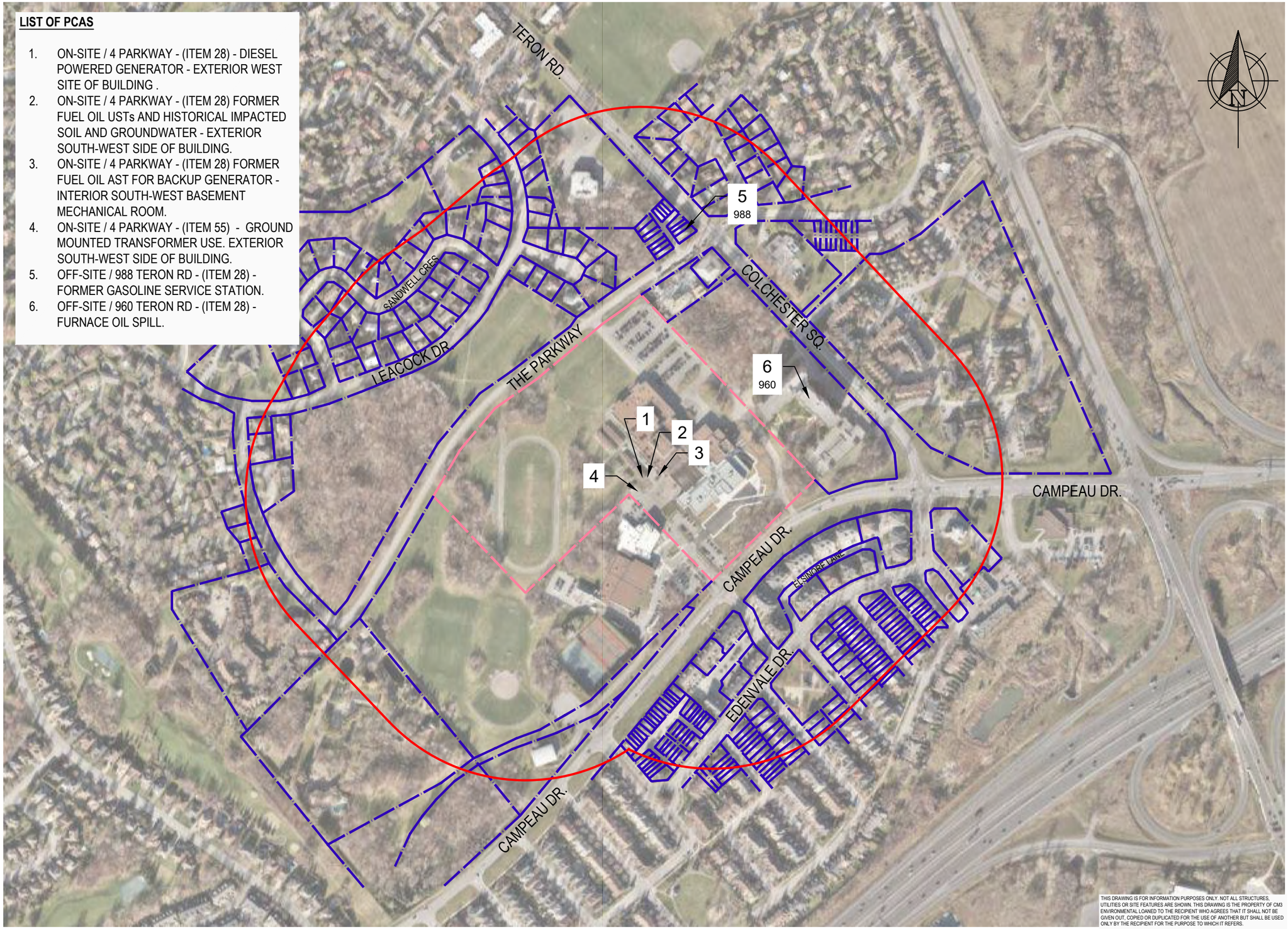
PHASE I
ENVIRONMENTAL SITE ASSESSMENT
EARL OF MARCH
SECONDARY SCHOOL
4 THE PARKWAY,
KANATA, ONTARIO

STUDY AREA

Project: MM1083	Drawn By: KS
Date: MAY 2024	Reviewed By: MM
Scale: 1:4000	Figure: 2

LIST OF PCAS

1. ON-SITE / 4 PARKWAY - (ITEM 28) - DIESEL POWERED GENERATOR - EXTERIOR WEST SITE OF BUILDING .
2. ON-SITE / 4 PARKWAY - (ITEM 28) FORMER FUEL OIL USTs AND HISTORICAL IMPACTED SOIL AND GROUNDWATER - EXTERIOR SOUTH-WEST SIDE OF BUILDING.
3. ON-SITE / 4 PARKWAY - (ITEM 28) FORMER FUEL OIL AST FOR BACKUP GENERATOR - INTERIOR SOUTH-WEST BASEMENT MECHANICAL ROOM.
4. ON-SITE / 4 PARKWAY - (ITEM 55) - GROUND MOUNTED TRANSFORMER USE. EXTERIOR SOUTH-WEST SIDE OF BUILDING.
5. OFF-SITE / 988 TERON RD - (ITEM 28) - FORMER GASOLINE SERVICE STATION.
6. OFF-SITE / 960 TERON RD - (ITEM 28) - FURNACE OIL SPILL.



LEGEND

- PROPERTY BOUNDARY
- SITE
- PHASE I STUDY AREA 250 m
- 1 PCA LOCATION

Scale 1:4000

0 40 80 120 160 m

(Approx. When plotted 11x17)

cm3 environmental

5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

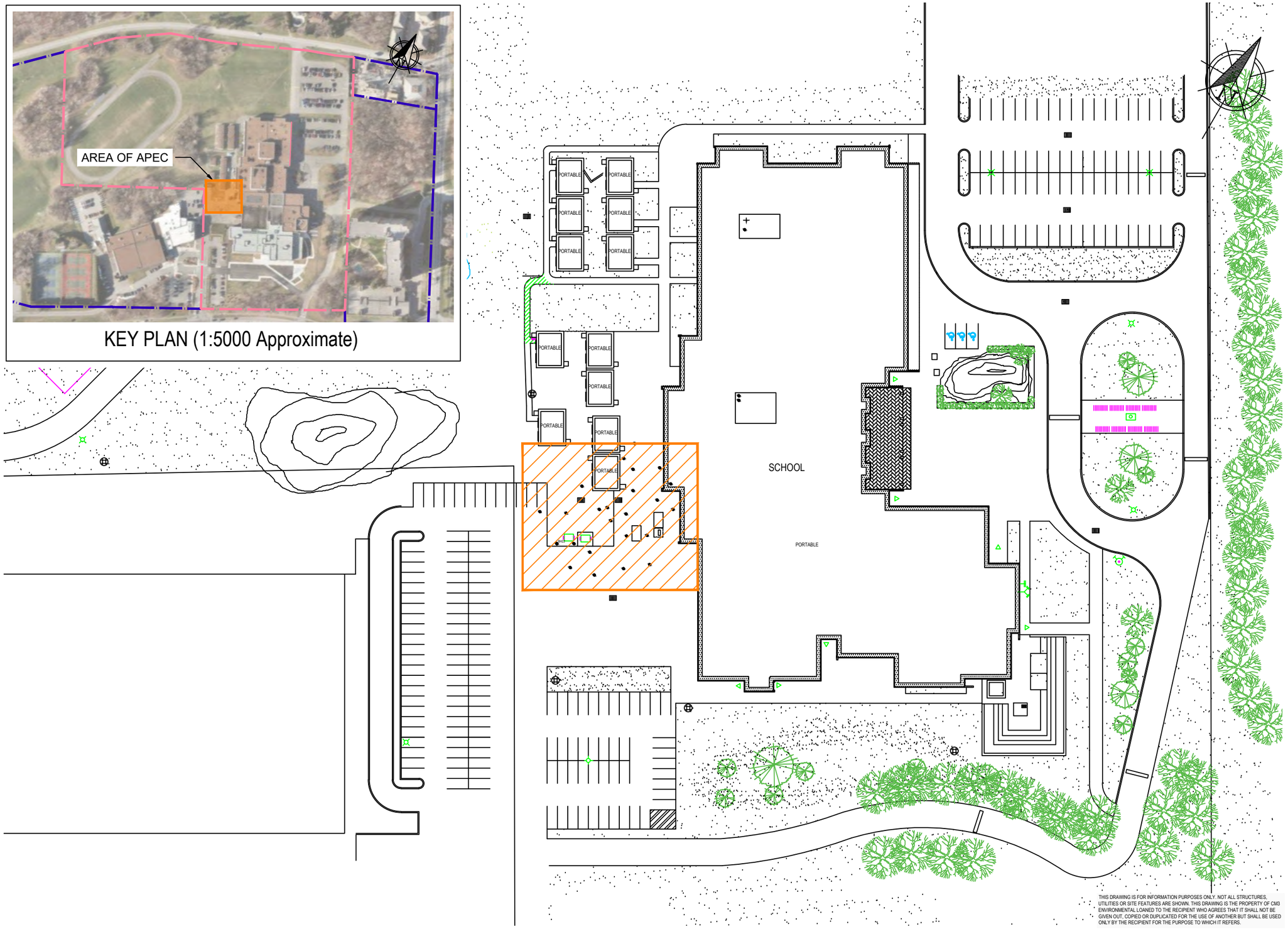
OTTAWA-CARLETON DISTRICT SCHOOL BOARD

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
EARL OF MARCH
SECONDARY SCHOOL
4 THE PARKWAY,
KANATA, ONTARIO

STUDY AREA AND PCAs

Project: MM1083	Drawn By: KS
Date: MAY 2024	Reviewed By: MM
Scale: 1:4000	Figure: 2

KEY PLAN (1:5000 Approximate)



LEGEND

SITE

APEC 1

Scale 1:1000

0 10 20 30 40

(Approx. When plotted 11x17)

cm3 environmental

5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
EARL OF MARCH SECONDARY SCHOOL
4 PARKWAY,
KANATA, ONTARIO

AREA OF POTENTIAL ENVIRONMENTAL CONCERN

Project:	Drawn By:
MM1083	KS
Date:	Reviewed By:
MAY 2024	MM
Scale:	Figure:
1:1000	4

PORTABLE

PORTABLE

PORTABLE

MW8

MW23

MW7

MW17
NS

MW4

MW12

MW6

ESTIMATED EXTENTS OF PHC INPACTS IN SOIL AND GROUNDWATER (BASED ON HISTORICAL AND 2023 SOIL AND GROUNDWATER DATA)

SEWER

MW18
NS

MW3

MW2

MW10

MW16

MW11

MW5

STORAGE SHED

MW1

GARBAGE BINS

MW6-13

MW19

MW21

BRICK GAS MAIN COVER

MW13

SCHOOL

MW20

MW15

MW9

MW14

LEGEND

- SITE
- MONITORING WELL
- MONITORING WELL DESTROYED
- APEC 1

GROUNDWATER SAMPLES ANALYSED*:

- COCs NOT DETECTED (2023-2024)
- COCs < MECP TABLE 3 SCS (2023-2024)
- COCs > MECP TABLE 3 SCS (2023-2024)

NS NOT SAMPLED

Scale 1:200

0 2 4 6 8 m

(Approx. When plotted 11x17)

cm3 environmental

5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
EARL OF MARCH
SECONDARY SCHOOL
4 THE PARKWAY,
KANATA, ONTARIO

EXTENT OF PHC IMPACTS

Project: MM1083	Drawn By: KS
Date: MAY 2024	Reviewed By: MM
Scale: 1:200	Figure: 5

APPENDIX A

PHOTOGRAPHIC RECORD

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 1: Looking south at the north-east side of the building from the bus loop.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 2: Looking north at the main parking lot at the north end of the site.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 3: View of the ground mounted transformer on the south-west side of the building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 4: View of a stormwater catch basin on the south-west side of the building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 5: View of a flush mount cover for a monitoring well on the south-west side of the building. The monitoring well is within the PHC impacted area.

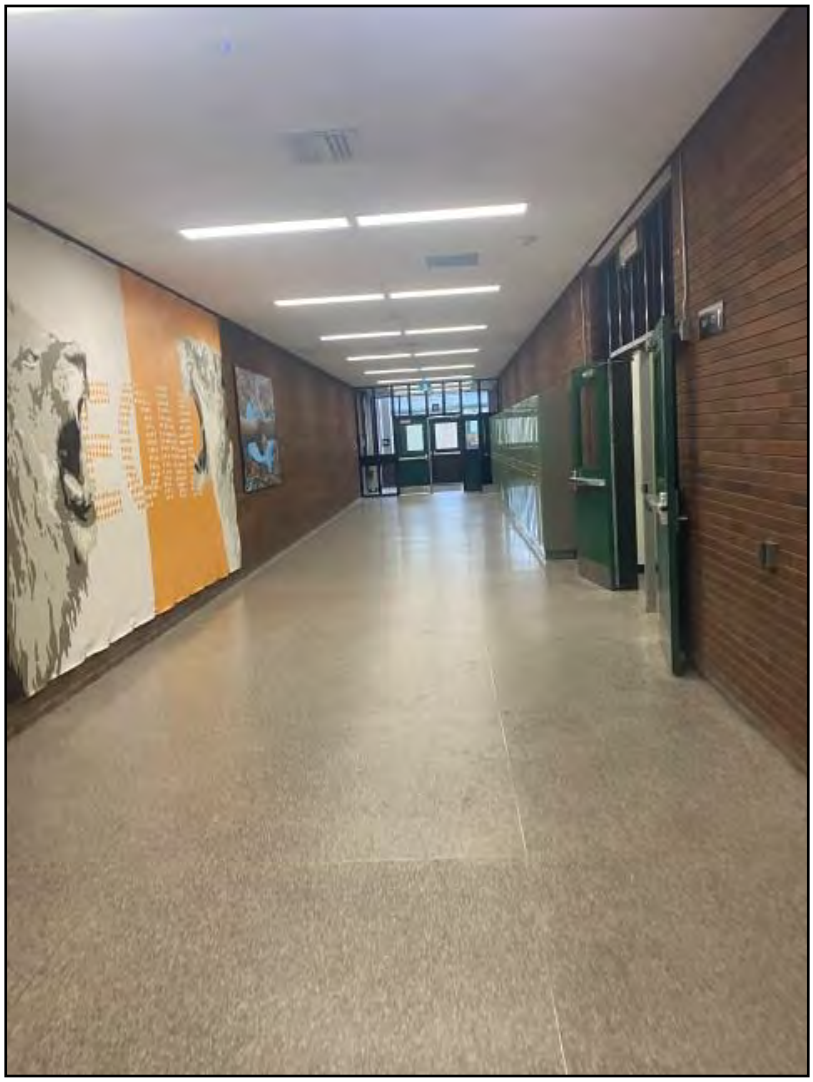
APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 6: View of the diesel-powered generator on the exterior west side of the building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 7: View of portable classroom units and overhead electrical wires on the west side of the building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024



Photograph 8: Typical interior corridor of the main subject building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 9: View of (one of four) laboratory chemical storage rooms.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 10: Looking north-west at the proposed location of the new addition. Portable classroom units are in view.

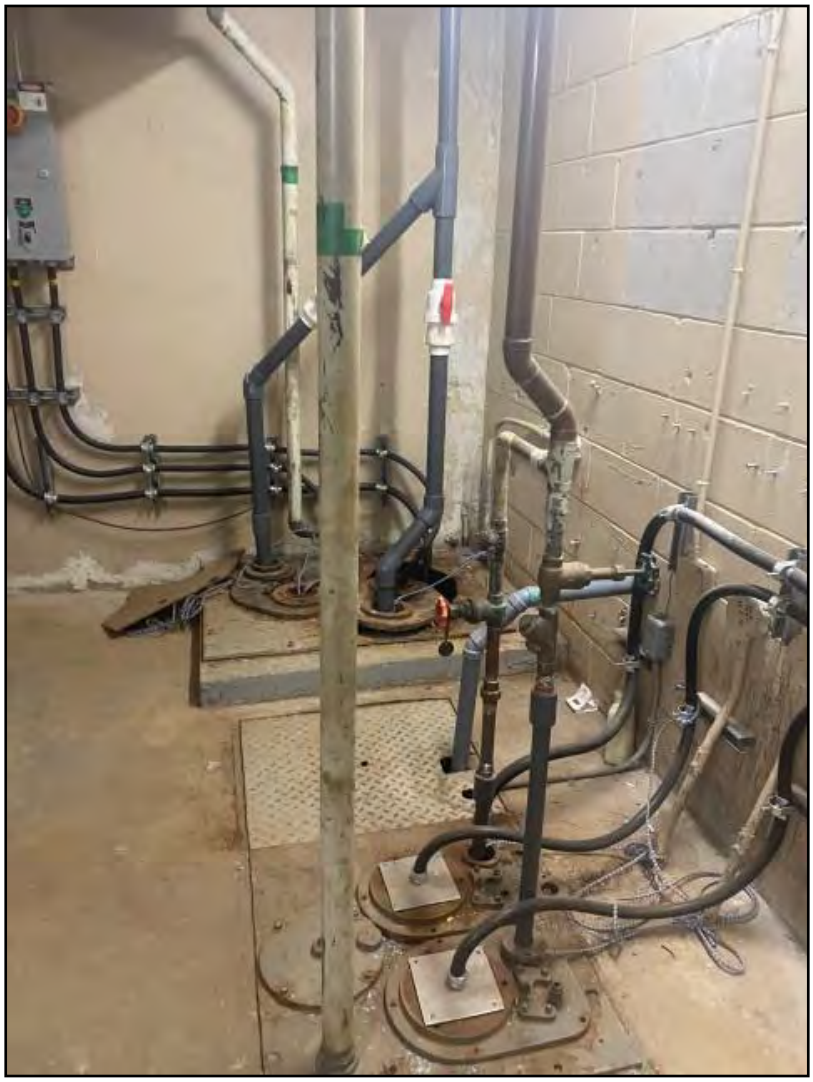
APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 11: View of a mechanical room on the north side of the subject building (room 301).

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 12: View of the backflow preventor on the south-east side of the school (adjacent to entrance D1).

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024



Photograph 13: View of the sump pit in mechanical room B001.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 14: View of former fuel oil pipes in room B001.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** MM1083
Site Name: Earl of March Public School	**Location:** 4 The Parkway Kanata, Ontario
Photographer: Ethan Risk	**Date:** April 11, 2024

Photograph 15: View of the boiler room (B006). Minor staining from rust/water is in view.

APPENDIX B

INSURANCE PRODUCTS

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

opta
INFORMATION INTELLIGENCE

enviroscan

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Midori

Site Address:
4 The Pkwy, Ottawa, ON

Project No:
24040400053

Opta Order ID:
142444

Requested by:
Eleanor Goolab
ERIS

Date Completed:
4/10/2024 12:16:25 PM

Project Name: Earl Of March Secondary School

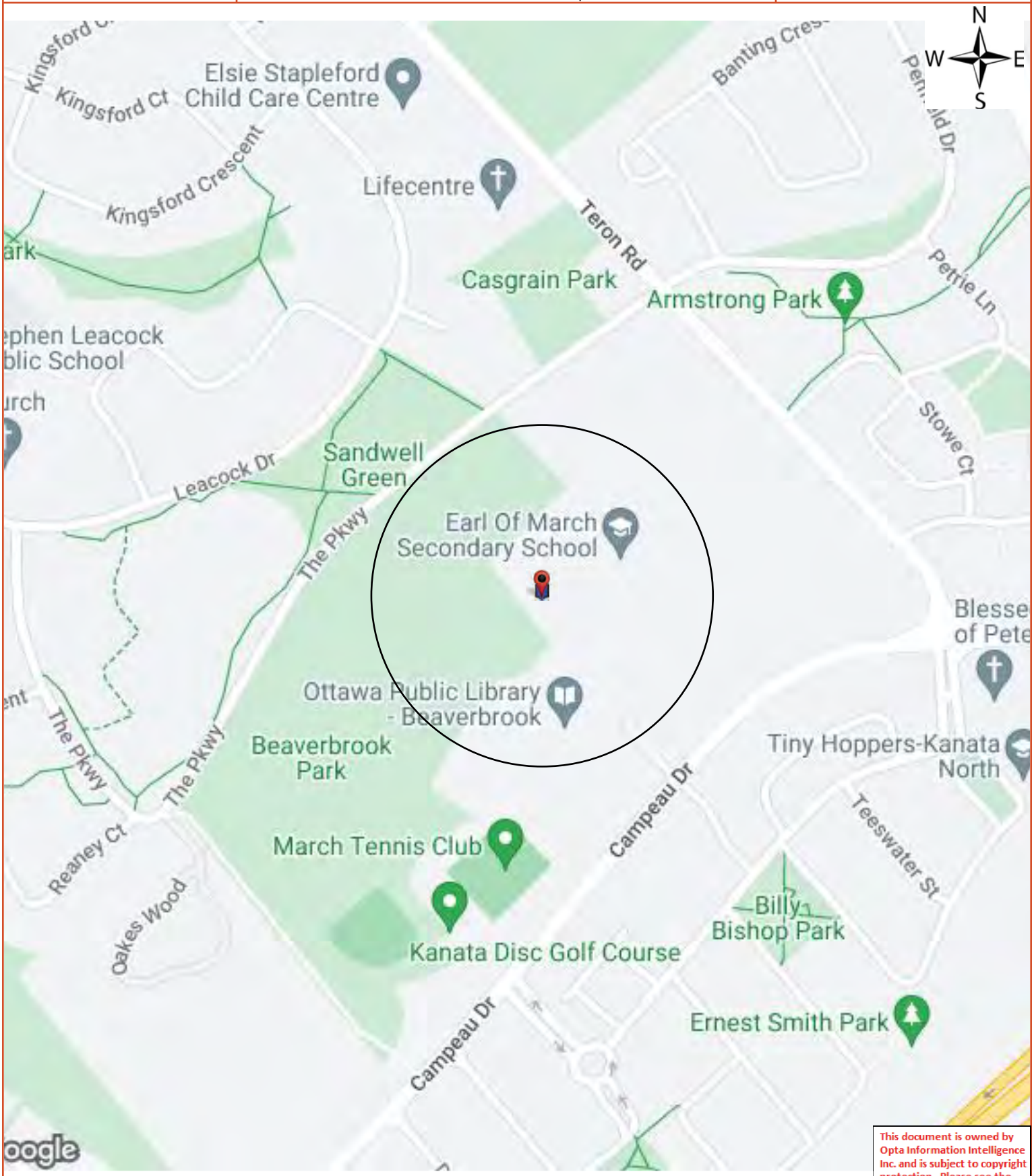
Project #: 24040400053
P.O. #: MM1083

ENVIROSCAN Report

Search Area: 4 The Pkwy, Ottawa, ON

Requested by:
Eleanor Goolab
Date Completed: 04/10/2024 12:16:25

enviroscan
OPTA INFORMATION INTELLIGENCE



Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

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

Disclaimer

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

Entire Agreement

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

Governing Document

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

Law

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

Page	Report Title

School Board Property Survey Report - 1997 CARLETON BOARD OF EDUCATION 4 The Parkway Kanata ON K2K1Y4

GENERAL ACCIDENT
SCHOOL BOARD PROPERTY SURVEY
CONFIDENTIAL

General Accident

NOTE: This report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations. Tests of fire protection equipment have not been conducted or witnessed during this inspection.*

Name of School Board: *Carleton Board of Education*
Location Surveyed: *Earl of March Secondary School*
No. 4, The Parkway
Kanata, Ontario
Postal Code: *K2K 1Y4*
Telephone #: *592-3361*
Person Contacted: *Dave Brooks & Dan Snider*

Surveyed By: *James Ellacott*
Date of Survey: *July 31, 1997*
Type of School: *Public High School*
Number of Students: *900*
Grade Structure: *9-13*
Number of Staff: *90*
Principal's Name: *Mrs. M. Reynolds*

BUILDING

Year Built: *1968* Additions: 19____ 19____ 19____ 19____ 19
Building Renovated: ☐ No ☒ Yes 19*95 & 1996* Storeys: *3, 2* Height: *46 ft*
Ground Floor Area: *9,359* m² Total Area: *19,054* m² Basement: ☐ No ☒ Yes *150* m²
Building Condition: ☒ Good ☐ Fair ☐ Poor
Wall Construction: Non-Combustible ____% Solid Masonry *100*%
Brick/Stone Veneer ____% Wood Frame ____%
Load Bearing: ☐ Yes ☐ No
Roof Type: ☒ Flat ☐ Sloped ☐ Peaked ☐ Other
Roof Construction: ☐ Wood Joist ☒ Concrete ☐ Steel Deck ☐ I ☐ II ☐ Other
Roof Covering: ☒ Tar & Gravel ☐ Metal ☐ Asphalt Shingles Other
Resurfaced: ☐ No ☒ Yes 19*89 & 1996*

Exterior Signs
Construction: ☐ Wood ☒ Metal ☐ Glass ☐ Plastic ☐ Other ____ ☐ Not Applicable
Location: ☒ Mounted on wall ☐ Mounted on roof ☐ Self-supported ☐ Other
Overall Condition: *Good*

Floor Construction: Concrete *100* % Concrete on Metal Pan ____ %
Wood Joist ____ % Other ____ %
Vertical Openings: ☐ None ☒ Stairs ☒ Elevator ☐ Other
Proper Protection: ☐ Yes ☒ No ☐ Not Applicable
Horizontal Separation: Major Partition Construction ☒ Not Applicable ☐ Frame
☐ Concrete Block ☐ Other
Proper Protection: ☐ Yes ☒ No ☐ Not Applicable
Combustible Concealed Spaces: ☐ Yes ☒ No
Proper Protection: ☐ Yes ☐ No ☒ Not Applicable
Interior Finish: Walls *Brick; painted gypsum wallboard; stucco; concrete* Ceiling *Painted drywall*
Portable Classrooms: ☐ Yes ☒ No Attached: ☐ Yes ☐ No, Describe:
Out buildings: ☐ No ☒ Yes, Describe: *Two - storage for snow removal and lawn maintenance equipment.*

Remarks/Comments: *None.*

HEATING

Forced warm air: ____ % ☐ Electric ☐ Gas ☐ Oil Other
Suspended unit heaters: ____ % ☐ Electric ☐ Gas ☐ Oil Other
Portable heaters: ____ % ☐ Electric ☐ Gas ☐ Oil Other
Electric baseboard units: ____ %
Hot water/steam ____ % ☐ Electric ☒ Gas ☐ Oil Other
Other ____ % ☐ Electric ☐ Gas ☐ Oil Other

Boiler: ☐ No ☒ Yes Age and Make: *Ray burner - 1987* ☐ N/A
Date of last inspection: *Undetermined*
Appliances enclosed in a non-combustible room: ☐ Yes ☒ No ☐ Not required
Combustible materials stored in the room: ☐ Yes ☒ No ☐ Not applicable
Fuel tanks: ☐ None ☒ Inside ☐ Outside ☐ Above ground ☐ Below ground
Age ____ Capacity (L) *200 gallon tank in Room # 14 for emergency back-up.*
Dike required: ☐ Yes ☒ No
Dike provided: ☐ Yes ☒ No
Fill and vent piping: ☐ Inside ☐ No ☐ Yes
Chimneys: ☐ Masonry ☐ ULC Factory built ☒ Unlabelled pre-fab Other
☐ Standard ☐ Non-standard
Installation appears safe: ☒ Yes ☐ No
Installation replaced: ☐ No ☒ Yes 1996 *Bottom 2 ft of chimney replaced due to rust* %
Air Conditioning: Describe *Entire building, except for gym and chiller room.*

Remarks/Comments: *Old underground fuel tank removed. Piping capped-off.*

ELECTRICAL

Type: ☒ Conduit ☒ BX ☐ Non-metallic ☒ Other *Core flex*
Temporary wiring or extension cords: ☒ No ☐ Yes
Overcurrent protection: ☒ Circuit Breakers Fuses: ☐ Ordinary ☐ Type P ☐ Type D ☒ Other *Fuse blocks*
Condition: ☒ Good ☐ Fair ☐ Poor
Installation appears safe: ☒ Yes ☐ No
Installation replaced: ☒ No ☐ Yes 19____ ____ %
Partial changes/extensions: ☐ No ☒ Yes *1997 - office addition.*

Remarks/Comments:
Circuit breakers taped open in Electrical Room # 14.
Circuit panel missing blank covers.
Circuit panel missing main shut-off.

PLUMBING (pressure piping only)

Type: ☒ Copper ☐ Galvanized ☐ Plastic ☒ Other *Black pipe*
Condition: ☒ Good ☐ Fair ☐ Poor Replaced: ☒ No ☐ Yes 19____ ____%
Evidence of Corrosion: ☒ No ☐ Yes Describe:

Remarks/Comments: *None.*

COMMON HAZARDS

	Extent of Exposure				
	None	Slight	Moderate	Severe	
Smoking	☒	☐	☐	☐	Remarks: *Off-premises only*
Heating	☐	☒	☐	☐	Remarks:
Electrical Services	☐	☒	☐	☐	Remarks:
Housekeeping	☐	☒	☐	☐	Remarks:

Remarks/Comments: *None.*

SPECIAL HAZARDS

Flammable and Combustible Liquids (Solvents, Developers, Inks, Paints, etc.) ☐ No ☒ Yes Describe:

Storage: ☐ Standard ☒ Non-standard ☐ N/A
☐ Cabinets ☐ Room ☐ In the open
☒ In work area ☐ Outside the work area

Quantity: In the work area: *15L* Outside the work area:

Handling: ☒ Safe ☐ Unsafe *Using 3.5L containers or smaller.*
Use of labeled safety cans: ☐ Yes ☒ No Bonding/Grounding practices followed: ☐ Yes ☒ No
Ventilation Adequate: ☒ Yes ☐ No Ventilation Ducts Cleaned Regularly: ☒ Yes ☐ No
Oily Rags stored in: ☐ Metal ULC labeled cans ☐ Plastic open top containers ☒ Other *Bags*
Smoking restricted: ☒ Yes ☐ No "No Smoking" signs posted: ☒ Yes ☐ No Enforced: ☒ Yes ☐ No
Heating equipment in work area satisfactory for exposure: ☒ Yes ☐ No
Working area is highly congested: ☐ Yes ☒ No
Maintenance: ☒ Good ☐ Fair ☐ Poor Overall Housekeeping: ☒ Good ☐ Fair ☐ Poor

Deep fat fryers properly protected	☒ Yes	☐ No	☐ N/A
Laboratory chemicals properly controlled	☒ Yes	☐ No	☐ N/A
Industrial Arts area properly protected	☐ Yes	☐ No	☒ N/A
Duplicating fluid kept in safe place	☐ Yes	☐ No	☒ N/A - *Undetermined*
Hot work area properly protected	☐ Yes	☒ No	☐ N/A - *"2A" fire extinguisher not serviced*
Woodwork Shop safely arranged	☒ Yes	☐ No	☐ N/A
Auto Mechanic Shop safely arranged	☐ Yes	☐ No	☒ N/A
Machine Shop safely arranged	☐ Yes	☐ No	☒ N/A

Remarks/Comments:

- *All dangerous chemicals from Science Lab and Photo Lab are removed twice yearly.*
- *Four traps (3 - chemical from Science Lab and 1 - grease from kitchen) are emptied three times per year.*
- *All natural gas for labs has been disconnected.*
- *Photographic Lab storage of all developers in open.*
- *Exhaust filters in Home Economics are dirty.*

FIRE PROTECTION

Public

F.U.S. Protection Class *04*

Responding Fire Department *Kanata Fire Department* ☒ Full Time ☐ Volunteer ☐ Composite

Distance to Fire Department: *1/2* km Roads: ☒ Paved ☐ Unpaved

Accessible Year-round: ☒ Yes ☐ No Difficult access for Fire Department: ☐ Yes ☒ No

No. of Hydrants: *4* within 155 m _____ within 156 - 305 m _____ over 305 m ☐ None

Private

Are the following adequate?

Portable Extinguishers	☒ Yes	☐ No	Last Serviced: *July 1997*
Security Guard Service	☐ Yes	☒ No	☐ N/A
Standpipe/Inside Hose	☒ Yes	☐ No	☐ N/A
Fire Detection System	☒ Yes	☐ No	☐ N/A

Connected to ☐ ULC Central Station ☒ ULC Monitoring Station ☐ Unlisted Service ☐ Local Only ☐ Fire/Police Department ☐ Other:

Automatic Sprinkler Protection: ☒ None ☐ Partial ☐ Full Premises

Type of System: ☐ Wet ☐ Dry ☐ Preaction ☐ Deluge

Date system last inspected/serviced:

Name of contractor/service company:

Fixed Fire Protection Systems: ☐ None

Type of system: *Simplex - Range Guard*

Extent of protection: *Kitchen deep fat fryer*

Date System Inspected/Serviced: *August 1996 - to be inspected August 1997 by Edwards.*

Name of Contractor/Service Company: *Edwards.*

Remarks/Comments: *Also a Range Guard system(s) in kitchen area. Last serviced July 1997. Both are 1.25G wet chemical with emergency pull station.*

ENCLOSURES TO PROPERTY

	Distance	Height	Construction	Occupancy	Openings in Facing Wall
Front	- m.	- Sto.	*Open*	*Field*	☒ Yes ☐ No
Rear	- m.	- Sto.	*Open*	*Field*	☒ Yes ☐ No
Left	*100* m.	*2* Sto.	*Wood frame*	*Residential*	☒ Yes ☐ No
Right	_____ m.	_____ Sto.			☐ Yes ☐ No

Asbestos: ☐ No ☒ Yes, Describe: *Ceiling and heating pipes throughout building.*

PCB's: ☐ No ☒ Yes, Describe: *Light ballasts.*

Flood: ☒ No ☐ Yes, Body of Water: _____ Proximity:

Remarks/Comments: *None.*

CRIME

Neighbourhood
☒ Residential ☐ Commercial ☐ Rural ☐ Isolated
Appears to be: ☒ Stable Changing via: ☐ Expansion/Growth ☐ Renovation ☐ Deterioration
Crime Experience: ☒ Low ☐ Moderate ☐ High
Immediate Exposures: ☒ No ☐ Yes If Yes, Describe:

Crime & Vandalism History
Any crime/vandalism problems in the past: ☐ No ☒ Yes If Yes, Describe: *Windows, doors, snow blower.*
Any break-ins to Portable classrooms, etc.: ☒ No ☐ Yes If Yes, Describe:
Are crime & vandalism incidents logged at the school: ☐ No ☒ Yes
Steps taken to reduce crime/vandalism: ☐ No ☒ Yes If Yes, Describe: *Lighting upgrade.*
Describe effects of such changes: *Reduction in vandalism.*

Physical Protection
Door locks: ☐ Deadbolt ☒ Spring ☒ Panic Hardware ☐ Other (Describe):
Describe windows: *Awning type.*
Describe window protection: *None.*
Describe key control procedure where applicable:

General Protection
Effective exterior lighting: ☒ Yes ☐ No
Effective interior lighting: ☒ Yes ☐ No
Premises fully fenced: ☐ Yes ☒ No
Regular Police patrols: ☐ Yes ☒ No
Neighbourhood watch program: ☐ Yes ☒ No
Comments: *None.*

Security & Alarms
Burglar Alarms: ☐ No ☒ Yes Describe: *Partial "motion detection coverage".*
Extent of protection: ☐ Perimeter ☐ Space/Area ☐ Full ☒ Partial ☐ Not determined
System supervised: ☐ No ☒ Yes Name of Company: *Honeywell*
☒ ULC Listed ☐ Unlisted ☐ Local Alarm
Line Security: ☒ Dedicated line ☒ Digital Dialer ☐ Other
Time delay: ☐ No ☒ Yes
Comments: *60 second delay.*

Target Items and Protection
Describe shop target areas and protection:
Describe computer target areas and protection:
Describe audiovisual target areas and protection:
Describe other target areas and protection:

Remarks/Comments: *Additional minor upgrades to the motion detection system are underway for shop, computer and audiovisual target areas.*

GENERAL REMARKS NOT OTHERWISE RECORDED

None.

RECOMMENDATIONS

97P-1 *Consideration should be given towards having the existing fire alarm/detection system monitored on a 24 hour basis by a ULC listed central or monitoring station facility.*

Comments: .....

.....

.....

W.O. No.	Referred to	Target Completion	Actual Completion

.....

.....

.....

97P-2 *All flammable liquids (hazardous materials) in the photographic lab should be stored in a ULC labelled, vented flammable liquids storage cabinet.*

Comments: .....

.....

.....

W.O. No.	Referred to	Target Completion	Actual Completion

.....

.....

.....

97P-3 *Consideration should be given to upgrading the burglar alarm system by providing additional protection for the entire school.*

Comments: .....

.....

.....

W.O. No.	Referred to	Target Completion	Actual Completion

.....

.....

.....

97P-4 *Electrical wiring and circuit breaker panels in the school should be checked by a qualified electrician and a "Certificate of Electrical Inspection" should be obtained and made available for future reference.*

Comments: .....

.....

.....

W.O. No.	Referred to	Target Completion	Actual Completion

97P-5 *Portable extinguishers should be serviced at least once a year and be tagged with the name of the servicing company and the date of service.*

Comments: .....

.....

.....

W.O. No.	Referred to	Target Completion	Actual Completion

JE/sm
09/09/97
6410932

APPENDIX C

CHAIN OF TITLE

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

CHAIN OF TITLE REPORT

Project #: 24040400053
Address: 4 The Parkway, Ottawa
Legal Description: Part Lot 3 Con 3 As in CT116346 Kanata / March

Searched at: Ottawa
LRO #: 4

PIN #: 04513-0453 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (100 Acres)	03 07 1828	Crown	**Bucham SCHARF**
RO16200	Deed	17 07 1860	Bucham Scharf	Nathaniel SCHARF
MH1328	Deed	14 04 1897	Nathaniel Scharf	Ebeneser SCHARF
MH3584	Deed	21 12 1943	Ebenesar Scharf	Russell SCHARF
MH4086	Deed	27 04 1955	Russell Scharf	J. Theodore LEGGETT Dorothy LEGGETT
MH4087	Deed	27 04 1955	J. Theodore Leggett Dorothy Leggett	J. Russell SCHARF
MH4176	Deed	16 11 1956	J. Russell Scharf	J. Theodore LEGGETT Dorothy LEGGETT
MH4666	Deed	13 01 1961	J. Theodore Leggett Dorothy Leggett	Golden Ridge Realty Limited
MH5068	Deed	15 04 1964	Golden Ridge Realty Limited	William Teron Limited

Cont'd on Page 2

Project #: 24040400053
Address: 4 The Parkway, Ottawa
Legal Description: Part Lot 3 Con 3 As in CT116346 Kanata / March

Searched at: Ottawa
LRO #: 4

PIN #: 04513-0453 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
CT116346	Deed	06 02 1970	William Teron Limited	The Carleton Board of Education
OC1544784	Name Change **(Present Owner)**	09 12 2013	The Carleton Board of Education	**Ottawa-Carleton District School Board**

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #4

04513-0453 (LT)

PREPARED FOR bertucci
ON 2024/05/03 AT 15:26:48

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

PROPERTY DESCRIPTION: PT LT 3, CON 3 , AS IN CT116346 ; KANATA/MARCH

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK MH-2

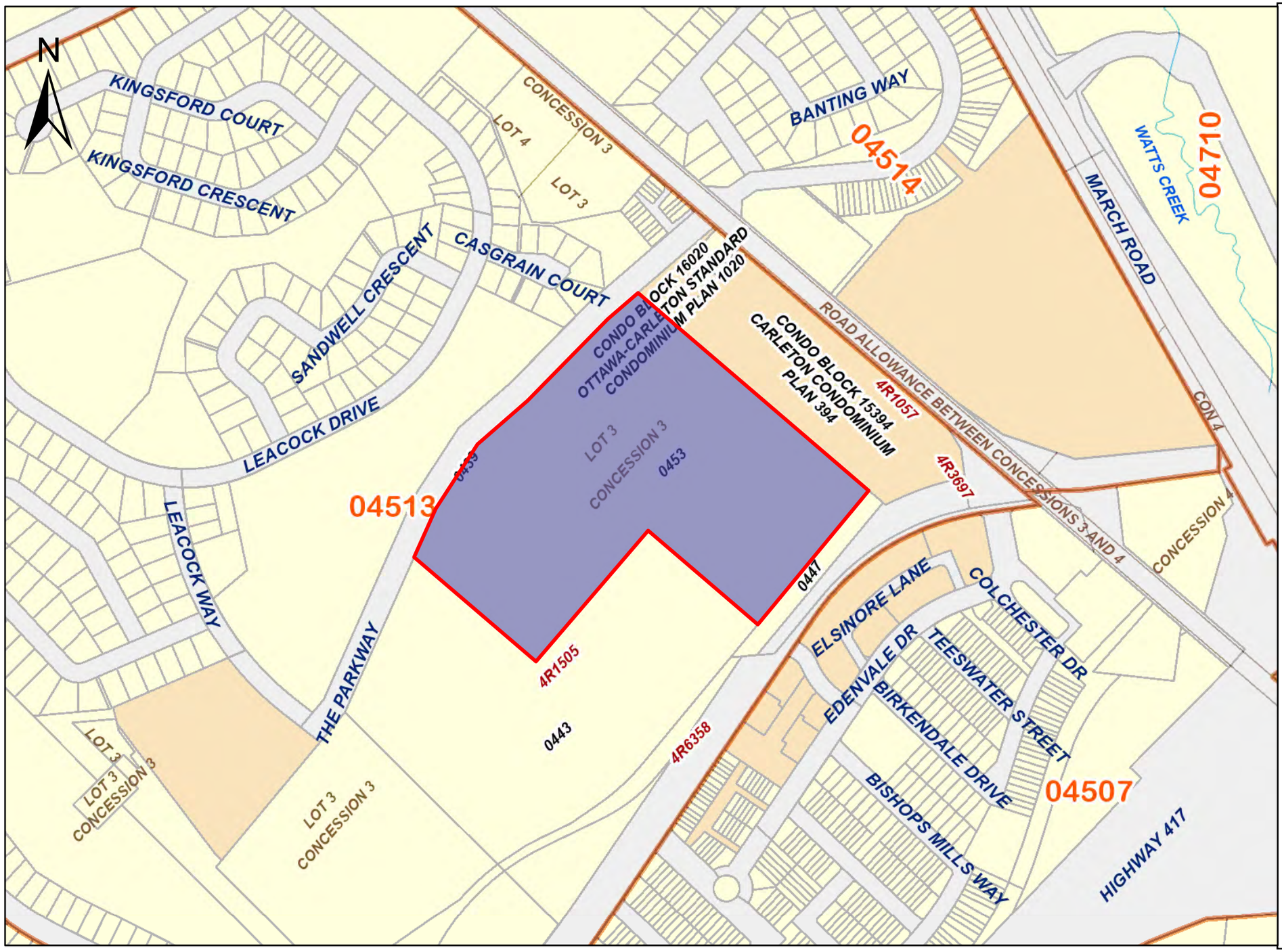
PIN CREATION DATE:
1995/03/20

OWNERS' NAMES
OTTAWA-CARLETON DISTRICT SCHOOL BOARD

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1995/03/20 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1995/03/20						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1995/03/17 ***						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
*** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES **						
*** AND ESCHEATS OR FORFEITURE TO THE CROWN.*						
*** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF*						
*** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY*						
*** CONVENTION.*						
*** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.*						
***DATE OF CONVERSION TO LAND TITLES: 1995/03/20 ***						
MH4948	1963/02/12	AGR SUBDIVISION			THE CORPORATION OF THE TOWNSHIP OF MARCH	C
	REMARKS: LT92078 LT278669					
CT116346	1970/02/06	TRANSFER	$2		THE CARLETON BOARD OF EDUCATION	C
	REMARKS: PLAN ATTACHED					
OC1544784	2013/12/09	APL CH NAME OWNER		THE CARLETON BOARD OF EDUCATION	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	C
OC1596876	2014/07/09	NOTICE	$1	CITY OF OTTAWA	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	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 03 MAY, 2024 AT 15:27:18
FOR BERTUCCI

SCALE

0 40 80 120 160 200 240 meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

APPENDIX D

CITY DIRECTORY

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

ERIS

CITY DIRECTORY

Project Property:	*Earl Of March Secondary School* *4 The Pkwy* *Ottawa,ON K2K 1Y4*
Project No:	*MM1083*
Requested By:	*CM3 Environmental Inc.*
Order No:	*24040400053*
Date Completed:	*April 11, 2024*

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

April 11, 2024
RE: CITY DIRECTORY RESEARCH
4 The Pkwy
Ottawa,ON K2K 1Y4

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

Search Criteria:

4 of The Parkway

Search Notes:

Kanata, Ontario is last listed in 1991.

Search Results Summary

Data from 2012 to 2021 does not include residential information

Date	Source	Comment
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2000	POLKS	
1997	POLKS	
1994	POLKS	
1991	MIGHTS	

2021 THE PARKWAY

SOURCE: DIGITAL BUSINESS DIRECTORY

4 **EARL OF MARCH SECONDARY SCHOOL**...*SCHOOLS*
4 **HOT TOTS A SEMI-ANNUAL CHLDRNS**...*BOUTIQUE ITEMS-RETAIL*

2017 THE PARKWAY

SOURCE: DIGITAL BUSINESS DIRECTORY

4 **EARL OF MARCH SECONDARY SCHOOL**...*ELEMENTARY & SECONDARY SCHOOLS*

2012 THE PARKWAY

SOURCE: DIGITAL BUSINESS DIRECTORY

4 **EARL OF MARCH SECONDARY SCHOOL**...*ELEMENTARY & SECONDARY SCHOOLS*

2000 THE PARKWAY

SOURCE: POLKS

4 **OTTAWA CARLETON DISTRICT SCHOOL BOARD**

1997 THE PARKWAY

SOURCE: POLKS

4 **CARLETON BOARD OF EDUCATION**

1994 THE PARKWAY

SOURCE: POLKS

4 **EARL OF MARCH SECONDARY SCHOOL**

4 **EARL OF MARCH SECONDARY SCHOOL**

APPENDIX E

FREEDOM OF INFORMATION DOCUMENTS

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

File Number: D06-03-24-0031

April 25, 2024

Ethan Risk
CM3 Environmental Inc.

Sent via email ethan@cm3envioronmental.com

Dear Ethan Risk,

Re: Information Request
4 The Parkway, Ottawa, Ontario ("Subject Property")

Internal Department Circulation:

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Environmental Remediation Unit:** The Environmental Remediation Unit (ERU) does not have any environmental records for this property.

- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website: https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx

- **Sewer Use Program:** The City's Sewer Use Program has found the following information pertaining to the subject property: Other environmental information. Information Request searches only include recent reports, violations, approvals, and agreements pursuant to the provisions of the Sewer Use By-law (2003-514). The Sewer Use Program cannot guarantee or make comments on the environmental condition of the subject properties. As the Sewer Use Program does not have the necessary data to make such an evaluation, you may wish to contact the Ministry of Environment. Please note that we cannot comment on any properties adjacent to or in proximity to the subject properties without consent from the owners of those properties. If you have any questions or concerns, please do not hesitate to contact the Sewer Use Program Duty Officer at extension 23326.

- **Solid Waste Services:** The subject property is not within 5 kilometers of any Solid Waste Services facilities.

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the Overview and User Guide."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at https://ero.ontario.ca/ contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House
161 Elgin Street 4th Floor
Ottawa ON K2P 2K1
Tel: (613) 239-1230
Fax: (613) 239-1422

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: Public Health Inspections - Ottawa Public Health

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Charlotte Petkovic
Student Planner

Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / **CP**

Enclosures: (2)
1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-24-0031

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP

HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY
5271	KUNNAS AGENCY	Manufacturing	2001-ES	1			960	TERON	RD		
5999	QUEENSWAY WEST ANI	Hospitals	2000-PID; 2001-ES; 2006-ES; 20	1	2000-2016	c. 2000	60	COLCHESTER	SQ		KANATA
6000	SELECT TAILOR SHOP	Men'S and Boys' Clothing	2001-ES	1	2001	c. 2001	60	COLCHESTER	SQ		KANATA
6001	KOZY KILN THE	Hydraulic Cement Industry	2001-ES	1	2001	c. 2001	50	COLCHESTER	SQ		KANATA
7327	KANATA ESSO SERVICE	Gasoline Service Stations	1993-KD; 1998-KBD; 1999-AirPh	1	1993-1999	c. 1993	988	TERON	RD		KANATA
9110	AUTUMN LEAF MILLWOI	Manufacturing	2006-ES	1	2006	ES 2006	2	PARKWAY (THE)			

Ministry of the Environment, Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2

Ontario

April 26, 2024

Ethan Risk
CM3 Environmental
5710 Akins Road
Ottawa, Ontario K1S 1B8
ethan@cm3environmental.com

Dear Ethan Risk:

RE: **MECP FOI A-2024-02065, Your Reference MM1083 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 4 The Parkway, Kanata.

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

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

If you have any questions, please contact Gita Ramburuth at 647-449-3079 or gita.ramburuth@ontario.ca.

Yours truly,

Gita Ramburuth

for
Josephine DeSouza
Manager, Access and Privacy Office

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

www.tssa.org

17 April 2024

Ethan Risk
CM3 ENVIRONMETNAL INC.
5710 Akins Road
Ottawa ON K2S 1B8

Subject:	4 THE PARKWAY, OTTAWA, ON K2K 1Y4
Your File No.:	MM1083
WO No.:	14283821

Dear Madam/Sir:

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

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

Program	No Record
Fuels Safety	☐
Boiler/Pressure Vessel	☐
Elevating & Amusement Devices	☐

Requested records relating to the following Program(s) were located:

Program	Record	Documents Attached
Fuels Safety	☒	☒
Boiler/Pressure Vessel**	☐	☐
Elevating & Amusement Devices	☐	☐
Other	☐	☐

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

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

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

Yours truly,

S. Thompson

Sherees Thompson
Public Information Services

Limitations and Notices:

General:

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

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

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

TSSA Fuels Safety:

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

- Sites that have not been licensed since 1987 may not be in TSSA records.

- Be advised, TSSA Fuels Safety Division did not register:
  - private fuel underground/ aboveground storage tanks prior to January of 1990; and
  - furnace oil tanks prior to May 1, 2002.

- Fuels Safety Division does not register
  - private waste oil tanks in apartments, office buildings, residences etc.; and
  - aboveground gas or diesel tanks.

- The *Technical Standards and Safety Act* and associated regulations do not require the registration of private fuel outlets, nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

TSSA Elevating & Amusement Devices Program Notice:

- All orders and/or directions issued by the TSSA Inspector have a compliance date and the owner or designated contractor are required to comply within the specified time limit. Compliance is the responsibility of the owner or operator of the device.

- All written declarations of compliance (where eligible) should be sent to TSSA. Once a declaration of compliance has been received, the outstanding order will be resolved.

- Each report shows the details and date of the inspection conducted by TSSA at the requested location.

- The Ontario Amusement Devices Regulation (O. Reg. 221/01) was adopted in 2001. Since that time, TSSA retains copies of technical dossiers of new amusement devices in Ontario (as per TSSA's retention policy). However, for rides that existed prior to the adoption of the Regulation, which were

subject to a “grandfathering-in” clause, technical dossiers were not required to be filed with the TSSA. However, if the amusement ride remains in operation, as per ASTM requirements, the owner/licensee must possess an operations document for the device in question.

Federal Elevators

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

Indigenous Lands

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

TSSA Boilers and Pressure Vessels (BPVs) Program Notice:

- Be advised, TSSA does not typically periodically inspect BPVs. These inspections are usually performed by insurance companies.

- **Inspection reports may not be submitted to TSSA by insurance companies; therefore, while TSSA may have some evidence of a BPV at a location on file, there may be no inspection records pertaining to BPVs located at the address provided.

- As of July 1, 2018, BPVs in Ontario may not be operated unless the Director has issued a current certificate of inspection (COI) to the owner or operator. A COI will be issued to the owner or operator of the BPV by TSSA after TSSA has received a Record of Inspection (ROI) from the insurer/third-party inspector, the associated fees have been paid and the BPV has passed a periodic inspection.

- Please note that if the BPV in question is insured, the insurance company may have additional inspection records. Please contact the insurer directly should you wish to obtain further information.

Incident Details

Reference No. 10402 **Received By** Elaine Gold

IDS Number if classified a spill

Date and Time Reported 10/19/2017 15:22

Caller Detail

Caller Name Terry Ironmonger

Company Ottawa Carlton District School Board

Phone Number(s) 613-761-0989

Position Crew Chief

Who Reported To Caller service techs

Company Involved

Company Name

Address

Municipality

Postal Code

Contact Name

Phone Number(s)

Incident Occurrence

Date and Time of Incident 10/17/2017 14:45

On-Call Person Paged? No **Time Paged** **Call Back Time**

Incident Location 4 The Parkway, Kanata

Incident Municipality Ottawa, City Of

Incident Type BPV

NO	Fatality ?
NO	Injuries / Hospitalization ?
YES	Boiler Explosion o Fire ?
NO	Request for Assistance / to Speak ?
NO	Seriousness of Incident Not Clear ?

Incident Summary Boiler explosion at school

Details

Goldel 2017-10-19 15:25 -
Caller to SACeg reports a boiler explosion. Caller reports technicians on site for a service call to replace cam on burner, and there was a large delay in ignition / explosion. Caller reports it is isolated now and made safe. Caller reports this part of the basement back of building facing Ottawa Public Library.

Caller reports no injuries / employees fine but significant damage to property. Caller reports no Fire Services and no Police on site. Caller reports CRN is not readily available at this time but boiler is a Cleaver Brooks Water Tube Boiler

hot water not steam, and model # FLE700-350-160HW

Goldel 2017-10-19 15:35 - SACeg to TSSA FSB - Mike M - briefed.

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**1519440**
Inspection Report #	**5253610**

Inspection Address: **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Reference Number(s): Facility Type:	Inspection Completion Date: Equipment Type:
Customer Name and Address: **CACE CONSTRUCTION LTD** **5360 BANK ST** **OTTAWA;ON** **CA K1X 1H1**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: No orders issued

Task Notes
November 12, 2014 met with contractor and H&S representative at office. Review locate drawings and incident report. Discuss crutial details that should be on incident reports and how important it is to notify the utility immediately even if no gas leak is noticed. Discussed guidelines to excavation and answer questions on in regards to certificates and safe work practices in extenuating circumstances. There was no gas escape during thi sincident, therefore TSSA does not invoice for investigation. Safety requirements only.

Customer Signature & Position / Date:		**Inspector Name:** Pilon, Wayne	**Inspector Contact Number:** 613-925-5337
Report Received By: No orders issued	**Customer Contact Number:** (613)8226817	**Inspector Email**: WPilon@tssa.org	**Inspector Fax**: 613-925-3598

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

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FS Inspection Report

Service Request #	**1503178**
Inspection Report #	**5236399**

Inspection Address: **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Reference Number(s):	Inspection Completion Date: **NOV 21, 2014**
	Facility Type: **FS Appliance**	Equipment Type: **Boiler - Water Heater/Solution Heater/ Water Boiler**
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-FA Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: No orders issued - Inspection passed

Task Notes

November 19, 2014 Contacted by Inspector Proulx to see if I could perform the inspection on Friday November 21, 2014. Arrangements were completed for inspection on the 21st at approximately 11am. Travel to east end Ottawa from Carp, Ontario to transfer file and review.
November 21, 2014 On location for inspection of one boiler model FLE-700-350-160HW
serial number 09918-1-1
Inspection completed as follows:
Pilot turn down - Passed
Pre purge - 70 seconds
Trial for ignition - 10 seconds
Flame failure response - 4 seconds
Operating control - 180 'F - Passed
Limit - 210'F - Passed
Low gas pressure - 3.6" - passed
High Gas pressure 11' - passed
Proof of closure - passed
Low fire start - passed
Air proving switch - passed
Low water cut-off - passed
ESA label S780679 attached to rating plate
TSSA label 13624 attached to rating plate
Inspection approved.
Combustion analysis performed at low fire and high fire.

	LOW FIRE	HIGH FIRE
O2%	7.4	5.4
COppm	0	0
Xair%	55	35
CO2%	7.7	8.8
NOx ppm	31	36
stack temp 'F	234	402

Customer Signature & Position / Date:		**Inspector Name:** Proulx, Ian	**Inspector Contact Number:** 613 325-3893
Report Received By: No orders issued - Inspection passed	**Customer Contact Number:** (613) 5968784	**Inspector Email**: iproulx@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**1503178**
Inspection Report #	**5236399**

Inspection Address: **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Reference Number(s):	Inspection Completion Date: **NOV 21, 2014**
	Facility Type: **FS Appliance**	Equipment Type: **Boiler - Water Heater/Solution Heater/ Water Boiler**
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-FA Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Customer Signature & Position / Date:		**Inspector Name:** Proulx, Ian	**Inspector Contact Number:** 613 325-3893
Report Received By: No orders issued - Inspection passed	**Customer Contact Number:** (613) 5968784	**Inspector Email**: iproulx@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**1503180**
Inspection Report #	**5236413**

Inspection Address: **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Reference Number(s):	Inspection Completion Date: **NOV 28, 2014**
	Facility Type: **FS Appliance**	Equipment Type: **Boiler - Water Heater/Solution Heater/ Water Boiler**
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-FA Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: No orders issued - Inspection Passed

Task Notes

November 28, 2014 On location for inspection of one boiler model FLE-700-350-160HW
serial number 09918-1-2
Inspection completed as follows:
Pilot turn down - Passed
Pre purge - 70 seconds
Trial for ignition - 10 seconds
Flame failure response - 4 seconds
Operating control - 180 'F - Passed
Limit - 210'F - Passed
Low gas pressure - 3.6" - passed
High Gas pressure 11.3" - passed
Proof of closure - passed
Low fire start - passed
Air proving switch - passed
Low water cut-off - passed
ESA label S780678 attached to rating plate
TSSA label 13625 attached to rating plate
Inspection approved.
Combustion analysis performed at low fire and high fire.

	LOW FIRE	HIGH FIRE
O2%	70	5.4
COppm	15	6
Xair%	36	50
CO2%	7.9	8.7
NOxppm	47	52
stack temp 'F	245	395

Customer Signature & Position / Date:		**Inspector Name:** Proulx, Ian	**Inspector Contact Number:** 613 325-3893
Report Received By: No orders issued - Inspection Passed	**Customer Contact Number:** (613) 596-8784	**Inspector Email**: iproulx@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**1503180**
Inspection Report #	**5236413**

Inspection Address: **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Reference Number(s):	Inspection Completion Date: **NOV 28, 2014**
	Facility Type: **FS Appliance**	Equipment Type: **Boiler - Water Heater/Solution Heater/ Water Boiler**
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-FA Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Customer Signature & Position / Date:		**Inspector Name:** Proulx, Ian	**Inspector Contact Number:** 613 325-3893
Report Received By: No orders issued - Inspection Passed	**Customer Contact Number:** (613) 596-8784	**Inspector Email**: iproulx@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2184426**
Inspection Report #	**7000953**

Inspection Address: **4 THE PARKWAY** **KANATA ONTARIO** **CA K2K 2B6**	Reference Number(s): Facility Type:	Inspection Completion Date: **NOV 02, 2017** Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: Ottawa Carleton District School Board

Line	Reference and Order(s)	Compliance Date
806301-1	Unlisted Deficiency OCDSB is required to obtain and submit the requested information for the location mentioned to this Inspector.	DEC 18, 2017

Task Notes

TSSA Inspector Luc Fournier, Request a copy of all Service and Maintenance records for all of the "Natural Gas Appliances" for the last 36 months, for the above mentioned address which is at, (4 The Parkway), in Kanata ONTARIO.

The information has been requested after meeting with Mr. Terry Ironmonger, (Crew Chief of Maintenance Services Plumbing and Heating) for the "Ottawa Carleton District School Board" and Mr. Charles Eadie of (Waterloo Manufacturing), following an explosion that took place at "Earl of March High School" on Thursday October 19th 2017.

The meeting took place on October 27th 2017 at the above named location, in the boiler room, after all Non-compliance issues were discussed.

Mr. Ironmonger is to ensure that all information includes the following:

- Names of all TSSA Registered Contractor,

- All TSSA Registration Numbers of all TSSA Registered Contractor,

- List of all TSSA Certifcate Holders performing any dutes on any of the Natural Gas Appliances at the aboved named location,

- A copy of all Invoices pertaining to all of the "Natural Gas Appliances" on site and,

- A list containing all Contact information for all TSSA Certified Technicians that have performed any Service or Maintenance at the above named location.

Please note that under Section 37 of the TSSact, which states:

37. (1) Every person who,
(a) contravenes or fails to comply with any provision of this Act, the regulations or a Minister's order;
(b) knowingly makes a false statement or furnishes false information under this Act, the regulations or a Minister's order;
(c) contravenes or fails to comply with a term or condition of an authorization;
(d) contravenes or fails to comply with an order or requirement of a director or an inspector, or obstructs an inspector, is guilty of an offence and on conviction is liable to a fine of not more than $50,000 or to imprisonment for a term of not more than one year, or to both, or, if the person is a body corporate, to a fine of not more than $1,000,000. 2000, c. 16, s. 37 (1); 2009, c. 28, s. 14 (1).

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger, Via Email: terry.irnmonger@ocdsb.ca	**Customer Contact Number:** Office 1(613)-596-8211 ext 3425, Cell 1(613)- 761-0989	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

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FS Inspection Report

Service Request #	**2184426**
Inspection Report #	**7000953**

Inspection Address: **4 THE PARKWAY** **KANATA ONTARIO** **CA K2K 2B6**	Reference Number(s): Facility Type:	Inspection Completion Date: **NOV 02, 2017** Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Please note that this Inspector requires that the information no later then then the date listed which is, December 18th 2017. This information should be obtained and sent to this Inspector proir to the expired date indicated to avoid any Legal Orders being issued to directly to Mr. Ironmonger for (Failing to Comply with an Inspectors Orders).

Cost recovery fees will be billed to the above named client by the Authority of section 19 of the TSSAct 2010 and according to the TSSA billing Policy.

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FS Inspection Report

Service Request #	**2184426**
Inspection Report #	**7000953**

Inspection Address: **4 THE PARKWAY** **KANATA ONTARIO** **CA K2K 2B6**	Reference Number(s): Facility Type:	Inspection Completion Date: **NOV 02, 2017** Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: Ottawa Carleton District School Board

Line	Reference and Order(s)	Compliance Date
806301-1	Unlisted Deficiency OCDSB is required to obtain and submit the requested information for the location mentioned to this Inspector.	DEC 18, 2017

Task Notes

TSSA Inspector Luc Fournier, Request a copy of all Service and Maintenance records for all of the "Natural Gas Appliances" for the last 36 months, for the above mentioned address which is at, (4 The Parkway), in Kanata ONTARIO.

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(b) knowingly makes a false statement or furnishes false information under this Act, the regulations or a Minister's order;
(c) contravenes or fails to comply with a term or condition of an authorization;
(d) contravenes or fails to comply with an order or requirement of a director or an inspector, or obstructs an inspector, is guilty of an offence and on conviction is liable to a fine of not more than $50,000 or to imprisonment for a term of not more than one year, or to both, or, if the person is a body corporate, to a fine of not more than $1,000,000. 2000, c. 16, s. 37 (1); 2009, c. 28, s. 14 (1).

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger, Via Email: terry.irnmonger@ocdsb.ca	**Customer Contact Number:** Office 1(613)-596-8211 ext 3425, Cell 1(613)- 761-0989	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2184426**
Inspection Report #	**7000953**

Inspection Address: **4 THE PARKWAY** **KANATA ONTARIO** **CA K2K 2B6**	Reference Number(s): Facility Type:	Inspection Completion Date: **NOV 02, 2017** Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

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Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger, Via Email: terry.irnmonger@ocdsb.ca	**Customer Contact Number:** Office 1(613)-596-8211 ext 3425, Cell 1(613)- 761-0989	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2223402**
Inspection Report #	**7075501**

Inspection Address: **4 THE PARKWAY** **KANATA ON** **CA K2K 1Y4**	Reference Number(s):	Inspection Completion Date: **JAN 12, 2018**
	Facility Type:	Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-Enforcement Action	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: Ottawa Carleton District School Board

Line	Reference and Order(s)	Compliance Date
812137-1	Technical Standards and Safety Act. 18 (1) - Powers on inspection An inspector conducting an inspection on lands or premises, including the premises of an authorization holder, may, (a) examine all documents, records and things that are relevant to the inspection; (b) require a person on the premises being inspected to produce a document, record or other thing that is relevant to the inspection; (c) use any data storage, processing or retrieval device or system used in carrying on business in order to produce information or a record that is relevant to the inspection and that is in any form; and (d) on giving a receipt for it, remove any thing relevant to the inspection, including a document, a record, a data storage disk or a retrieval device needed to produce information. 2006, c. 34, s. 25 (6). Ottawa Carleton District School Board, and/or a delegated representative thereof, is hereby Ordered, pursuant to section 18 of the Technical Standards & Safety Act, 2000, to produce documentation ensuring proof of maintenance on all fuel-fired equipment as required per Ontario Regulation 212/01 section 15. This documentation must be presented to this Inspector for a period 36 months prior to and including the date of this Inspector's site Inspection. Ottawa Carleton District School Board, and/or a delegated representative thereof, is now hereby Ordered to ascertain the scope of this formal inquiry within the compliance date stated on this inspection report, forthwith.	JAN 19, 2018
812137-2	Technical Standards and Safety Act. 37 (1) - Offences Every person who, (a) contravenes or fails to comply with any provision of this Act, the regulations or a Minister's order; (b) knowingly makes a false statement or furnishes false information under this Act, the regulations or a Minister's order; (c) contravenes or fails to comply with a term or condition of an authorization; (d) contravenes or fails to comply with an order or requirement of a director or an inspector, or obstructs an inspector, is guilty of an offence and on conviction is liable to a fine of not more than $50,000 or to imprisonment for a term of not more than one year, or to both, or, if the person is a body corporate, to a fine of not more than $1,000,000. 2000, c. 16, s. 37 (1); 2009, c. 28, s. 14 (1). TSSA Inspection has determined that Orders 806301-1 originally issued on NOV 02, 2017 with a compliance date of DEC 18, 2017 and revised date of January 19th, 2018 have not yet been complied with as directed. The above Orders are issued with a revised Compliance date. You are hereby Ordered forthwith to comply with this Inspectors Orders prior to the revised Compliance date.	JAN 19, 2018

Task Notes

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger Via Eamil: terry.ironmonger@ocdsb.ca	**Customer Contact Number:** 1(613)-596-8784	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2223402**
Inspection Report #	**7075501**

Inspection Address: **4 THE PARKWAY** **KANATA ON** **CA K2K 1Y4**	Reference Number(s): Facility Type:	Inspection Completion Date: **JAN 12, 2018** Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-Enforcement Action **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

TSSA Inspector Luc Fournier, Request a copy of all Service and Maintenance records for all of the "Natural Gas Appliances" for the last 36months, for the above mentioned address which is at, (4 The Parkway), in Kanata ONTARIO.

The information has been requested after meeting with Mr. Terry Ironmonger, (Crew Chief of Maintenance Services Plumbing and Heating) for the "Ottawa Carleton District School Board" and Mr. Charles Eadie of (Waterloo Manufacturing), following an explosion that took place at "Earl of March High School" on Thursday October 19th 2017.

Mr. Ironmonger is to refer back to the first Orders Issued under Service Request # 2184426

It must be noted that the compliance date onInspection Report # 7000953, Service Request # 2184426 was clearly indicated.

Pursuant to my authority under section 21 of the TSSA / 2011 Act. You are hereby ordered to FORTHWITH comply with these Inspector's orders.

The above Client is billed for this Inspection, according to the TSSA billing policy and the TSSA Act / 2011, Section 19.

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger Via Eamil: terry.ironmonger@ocdsb.ca	**Customer Contact Number:** 1(613)-596-8784	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

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Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2223402**
Inspection Report #	**7076244**

Inspection Address: **4 THE PARKWAY** **KANATA ON** **CA K2K 1Y4**	Reference Number(s): Facility Type:	Inspection Completion Date: Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-F/U Enforcement Action **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: Ottawa Carleton District School Board

Line	Reference and Order(s)	Compliance Date
812137-3	ONTARIO REGULATION 212/01. (GASEOUS FUELS) 11 (2) - Duty of employer Every person who employs a person to carry out any activity referred to in subsection (1) shall take every precaution that is reasonable in the circumstances to ensure that the person's employees comply with the Act and this Regulation. O. Reg. 212/01, s. 11 (2). TSSA inspection has determined that "OTTAWA CARLETON DISTRICT SCHOOL BOARD" has failed to comply with the requirements of the Ontario Regulation 212/01 section 11 (2). "OTTAWA CARLETON DISTRICT SCHOOL BOARD" is here by ordered to comply with the Ontario Regulations 212/01 section 11 (2) from this day forward.	
812137-4	ONTARIO REGULATION 212/01. (GASEOUS FUELS) 13 (3) - Unacceptable condition - immediate hazard Where a holder of a certificate or ROT finds that an appliance or work is in an unacceptable condition and that it constitutes an immediate hazard, the holder shall, (a) immediately shut off the supply of gas to the appliance or work; (b) promptly give oral notice of the shutting off of the gas to the distributor; (c) promptly give a written notice to the user, (i) describing the condition that constitutes the immediate hazard, and (ii) directing that the appliance or work not be used until the condition is corrected; (d) within 14 days of finding the condition, give written notice of the condition to the distributor, including notice that the supply of gas has been shut off; and (e) affix a notice containing the information required in clause (c) to the appliance or work. O. Reg. 212/01, s. 13 (3). TSSA inspection has determined that "OTTAWA CARLETON DISTRICT SCHOOL BOARD" has failed to comply with the requirements of the Ontario Regulation 212/01 section 13 (3). "OTTAWA CARLETON DISTRICT SCHOOL BOARD" is here by ordered to comply with the Ontario Regulations 212/01 section 13 (3) from this day forward.	
812137-5	ONTARIO REGULATION 212/01. (GASEOUS FUELS) 14 (3) - Unacceptable condition - no immediate hazard Where a holder of a certificate or ROT finds that an appliance or work is in an unacceptable condition but that it does not constitute an immediate hazard, he or she shall, (a) immediately give oral notice of the condition to the distributor who supplies gas to the appliance or work; (b) immediately give written notice to the user of the appliance or work describing the condition and advising that notice of the condition has been given to the distributor; (c) give written notice of the condition to the distributor within 14 days of finding it; and (d) affix a notice containing the information required in clause (b) to the appliance or work. O. Reg. 212/01, s. 14 (3). TSSA inspection has determined that "OTTAWA CARLETON DISTRICT SCHOOL BOARD" has failed to comply with the requirements of the Ontario Regulation 212/01 section 14 (3). "OTTAWA CARLETON DISTRICT SCHOOL BOARD" is here by ordered to comply with the Ontario	

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger Via Eamil: terry.ironmonger@ocdsb.ca	**Customer Contact Number:** 1(613)-596-8784	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2223402**
Inspection Report #	**7076244**

Inspection Address: **4 THE PARKWAY** **KANATA ON** **CA K2K 1Y4**	Reference Number(s): Facility Type:	Inspection Completion Date: Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-F/U Enforcement Action **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

	Regulations 212/01 section 14 (3) from this day forward.	

Task Notes

TSSA Inspector Luc Fournier met Inspector Craig Wilson at, "Earl of March Secondary School", at "4 The Parkway" in Kanata, on October 19th 2017 for the investigation of an explosion that took place earlier in the day.

While Inspector Wilson and I were on site, we performed a visual inspection of the equipment in the mechanical room.

During the inspection, it was noted that multiple non-compliances were found, ranging from chimney venting leaking, IPEX System 636 having holes drilled into the piping for test ports, and not having proper TEE's installed, to having Stainless Steel Vent leaking, coming apart and being found Damaged, and Water Heaters missing the proper over pressure regulators.

This Inspector has Issued Orders under Ontario Regulation 212/01 Section 11(2), "Duty of Employer" which states:

(2) Every person who employs a person to carry out any activity referred to in subsection (1) shall take every precaution that is reasonable in the circumstances to ensure that the person's employees comply with the Act and this Regulation. O. Reg. 212/01, s. 11 (2).

Under Section 13(3) Unacceptable Condition — Immediate Hazard, which States:

(3) - Where a holder of a certificate or ROT finds that an appliance or work is in an unacceptable condition and that it constitutes an immediate hazard, the holder shall,
(a) - immediately shut off the supply of gas to the appliance or work;
(b) - promptly give oral notice of the shutting off the gas to the distributor;
(c) - promptly give a written notice to the user,
(i) describing the condition that constitutes the immediate hazard, and
(ii) directing that the appliance or work not be used until the condition is corrected;
(d) - within 14 days of finding the condition, give written notice of the condition to the distributor, including notice that the supply of gas has been shut off; and

(e) - affix a notice containing the information required in clause (c)to the appliance or work. O. Reg. 212/01, s. 13 (3).

Also, Section 14, Sub-Section (3) Unacceptable condition — No Immediate Hazard which states:

(3) - Where a holder of a certificate or ROT finds that an appliance or work is in an unacceptable condition but that it does not constitute an immediate hazard, he or she shall,

(a) - immediately give oral notice of the condition to the distributor who supplies gas to the appliance or work;
(b) - immediately give written notice to the user of the appliance or work describing the condition and advising that notice of the condition has been given to the distributor;
(c) - give written notice of the condition to the distributor within 14 days of finding it; and
(d) - affix a notice containing the information required in clause (b) to the appliance or work. O. Reg. 212/01, s. 14 (3).

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger Via Eamil: terry.ironmonger@ocdsb.ca	**Customer Contact Number:** 1(613)-596-8784	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

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FS Inspection Report

Service Request #	**2223402**
Inspection Report #	**7076244**

Inspection Address: **4 THE PARKWAY** **KANATA ON** **CA K2K 1Y4**	Reference Number(s): Facility Type:	Inspection Completion Date: Equipment Type:
Customer Name and Address: **OTTAWA CARLETON DISTRICT SCHOOL BOARD** **1224 STITTSVILLE MAIN ST** **STITTSVILLE;ON** **CA K2S 0E2**	Task Type: FS-F/U Enforcement Action **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

It was noted that this process was not performed and completed at this location where it was quite evident that the equipment had been operating for some time in these conditions.

Cost recovery fees will be billed to the above-named client by the Authority of section 19 of the TSSAct 2010 and according to the TSSA billing Policy.

At this time, this Inspection is Complete.

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Terry Ironmonger Via Eamil: terry.ironmonger@ocdsb.ca	**Customer Contact Number:** 1(613)-596-8784	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2439906**
Inspection Report #	**7575850**

Inspection Address: **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Reference Number(s):	Inspection Completion Date: **MAR 06, 2019**
	Facility Type: **FS Appliance**	Equipment Type: **Boiler - Water Heater/Solution Heater/ Water Boiler**
Customer Name and Address: **EARL OF MARCH SECONDARY SCHOOL** **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Task Type: FS-FA Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

PO Number: 301073
Orders Issued To: No Orders Issued

Task Notes

TSSA Inspector Luc Fournier, Mr. Charles Eadie of "Waterloo Manufacturing" to perform a "Field Approval Inspection" on a Boiler. This Inspector was on site on March 5th, 2019.

The location is at "Earl of March High School", located at, 4 The Parkway in Kanata.

Contractor Information - Waterloo Manufacturing
Registration Number - 000257129

Technician - Charles Eadie
Certificate Number – 0717056 G1, OBT1

UNIT INFORMATION:
-Make: CLEAVER-BROOK
-Model: FLE700-350
-Serial: 014630-1-1
-FUEL: Natural Gas
-BTU's: 3,500,000 BTUH
-Inlet Pressure: - 2 PSI

During the inspection, the unit was tested with the following results;

-Flame Failure Response Time: 3 Seconds - Pass.
-Flame Rectification: UV - Pass
-Trial for Ignition: 3 Seconds – Pass.
-Pre-purge: 90 Seconds – Pass.
-High Gas Pressure Switch, set to 14,.75 w.c. – Pass.
-Low Gas Pressure Switch, set to 4.8" w.c. – Pass.
-E-Stop's: - Pass.
-ESA Label: S 1020359
-High Limit Control Setting 210 Degrees F – Pass.
-Combustion Air Proving Switch: - Pass.
-Proof of Closure – Pass.
-Main Valve Energized – Pass.
-Low Fire Start Switch – Pass.
-High Fire Proving Switch – Pass.

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Waterloo Manufacturing, Charles Eadie via email: charleseadie@watmfg.com	**Customer Contact Number:** 1(613)-228-3597	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

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FS Inspection Report

Service Request #	**2439906**
Inspection Report #	**7575850**

Inspection Address: **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Reference Number(s):	Inspection Completion Date: **MAR 06, 2019**
	Facility Type: **FS Appliance**	Equipment Type: **Boiler - Water Heater/Solution Heater/ Water Boiler**
Customer Name and Address: **EARL OF MARCH SECONDARY SCHOOL** **4 THE PARKWAY** **KANATA;ON** **CA K2K 1Y4**	Task Type: FS-FA Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

-Low Water Cut-off – Pass.
-Direct Spark – Pass.
-Pilot Low Gas Pressure Switch – Pass.
-FSD Label #.: 17647

Cost recovery fees will be billed to the above-named client by the Authority of Section 19 of the TSSAct 2010 and according to the TSSA billing Policy.

Inspection PASSED.

Labour Detail

Date	Activity	Hours	Comments
MAR 06, 2019	Billing	.5	
MAR 04, 2019	Billing	1	
MAR 05, 2019	Billing	5.75	

Customer Signature & Position / Date:		**Inspector Name:** Fournier, Luc	**Inspector Contact Number:**
Report Received By: Waterloo Manufacturing, Charles Eadie via email: charleseadie@watmfg.com	**Customer Contact Number:** 1(613)-228-3597	**Inspector Email**: lfournier@tssa.org	**Inspector Fax**:

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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FS Inspection Report

Service Request #	**3085966**
Inspection Report #	**9055111**

Inspection Address: **557 CUNDLES RD E** **BARRIE;ON** **CA L4M 0K4**	Reference Number(s):	Inspection Completion Date: **NOV 11, 2021**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SHELL CANADA LIMITED** **400 4TH AVE SW** **CALGARY;AB** **CA T2P 0J4**	Task Type: FS-Periodic LF Inspection	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Standard Notes

TSSA inspected the above mentioned location and did not find any non-compliances at the time of inspection.

BIKRAM ARORA 403-384-5038

Customer Signature & Position / Date:		**Inspector Name:** Levesque, Norm	**Inspector Contact Number:** 705-327-5252
Report Received By: barrienorthshell@gmail.com	**Customer Contact Number:**	**Inspector Email**: NLevesque@tssa.org	**Inspector Fax**: 705-327-8998

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(Note: This is not an invoice)

APPENDIX F

ERIS DATABASE REPORT

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

DATABASE REPORT

Project Property:	*Earl Of March Secondary School* *4 The Pkwy* *Ottawa ON K2K 1Y4*
Project No:	*MM1083*
Report Type:	*Standard Report*
Order No:	*24040400053*
Requested by:	*CM3 Environmental Inc.*
Date Completed:	*April 9, 2024*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Earl Of March Secondary School* *4 The Pkwy Ottawa ON K2K 1Y4*
Project No:	*MM1083*
Coordinates:	
Latitude:	*45.3228482*
Longitude:	*-75.8955966*
UTM Northing:	*5,019,205.85*
UTM Easting:	*429,810.85*
UTM Zone:	*UTM Zone 18T*
Elevation:	*315 FT* *95.88 M*

Order Information:

Order No:	*24040400053*
Date Requested:	*April 4, 2024*
Requested by:	*CM3 Environmental Inc.*
Report Type:	*Standard Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
City Directory Search	*CD - Subject Site*
ERIS Xplorer	*ERIS Xplorer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*
Land Title Search	*Historical Land Title Search*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	1	1
CA	Certificates of Approval	Y	1	0	1
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	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
DTNK	Delisted Fuel Tanks	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	1	0	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	0	1
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	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	15	14	29
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	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
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	3	3

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:		18		21	39

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	CARLETON BOARD OF EDUCATION	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	19
1	GEN	CARLETON BOARD OF EDUCATION 07-625	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	19
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	20
1	CA	Ottawa-Carleton District School Board	4 The Parkway Kanata Ottawa ON	-/0.0	0.00	20
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-/0.0	0.00	21
1	EHS		4 The Parkway Ottawa ON	-/0.0	0.00	21
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-/0.0	0.00	21
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-/0.0	0.00	22
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	23

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-/0.0	0.00	24
1	ECA	Ottawa-Carleton District School Board	4 The Parkway Kanata Ottawa ON K2H 6L3	-/0.0	0.00	25
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	25
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	26
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	27
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	28
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	30
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	31
1	GEN	OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-/0.0	0.00	33

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		ON **Well ID:** 7404498	SE/44.6	0.00	35
3	WWIS		ON **Well ID:** 7216641	SE/46.7	0.00	35
4	SPL	ULTRAMAR	960 TERON TANK TRUCK (CARGO) WEST CARLETON TOWNSHIP ON	ENE/221.0	-1.00	36
5	PINC	PIPELINE HIT - 2"	4 PARKWAY (THE),,KANATA,ON,K2K 1Y4,CA ON	N/227.9	0.00	37
5	INC	EARL OF MARCH SECONDARY SCHOOL	4 THE PARKWAY KANATA ON	N/227.9	0.00	38
6	WWIS		lot 3 con 3 ON **Well ID:** 1503335	NE/241.2	-1.00	38
7	BORE		ON	NE/241.3	-1.00	41
8	GEN	city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	42
8	GEN	city of ottawa	2500 campeau drive ottawa ON	SSW/249.5	0.00	43
8	GEN	city of ottawa	2500 campeau drive ottawa ON	SSW/249.5	0.00	43
8	GEN	city of ottawa	2500 campeau drive ottawa ON	SSW/249.5	0.00	44
8	GEN	R.E. HEIN CONSTRUCTION	2500 Campeau Dr. Ottawa ON	SSW/249.5	0.00	44

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	GEN	city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	45
8	GEN	city of ottawa	2500 campeau drive ottawa ON	SSW/249.5	0.00	45
8	GEN	city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	46
8	GEN	city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	46
8	GEN	city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	47
8	GEN	city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	47
8	GEN	city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	48
8	GEN	city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	48
8	GEN	city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW/249.5	0.00	49

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	NE	241.30	7

CA - Certificates of Approval

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Ottawa-Carleton District School Board	4 The Parkway Kanata Ottawa ON	-	0.00	1

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Feb 29, 2024 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Ottawa-Carleton District School Board	4 The Parkway Kanata Ottawa ON K2H 6L3	-	0.00	1

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	4 The Parkway Ottawa ON	-	0.00	1

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 29 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
CARLETON BOARD OF EDUCATION	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
CARLETON BOARD OF EDUCATION 07-625	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety	EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	-	0.00	1
city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
city of ottawa RPAM	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
R.E. HEIN CONSTRUCTION	2500 Campeau Dr. Ottawa ON	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON k2k 2w3	SSW	249.45	8
city of ottawa	2500 campeau drive ottawa ON	SSW	249.45	8

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated 31 Oct, 2023 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
EARL OF MARCH SECONDARY SCHOOL	4 THE PARKWAY KANATA ON	N	227.85	5

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT - 2"	4 PARKWAY (THE),,KANATA,ON,K2K 1Y4,CA ON	N	227.85	5

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jan 2023; Mar 2023-Dec 2023 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

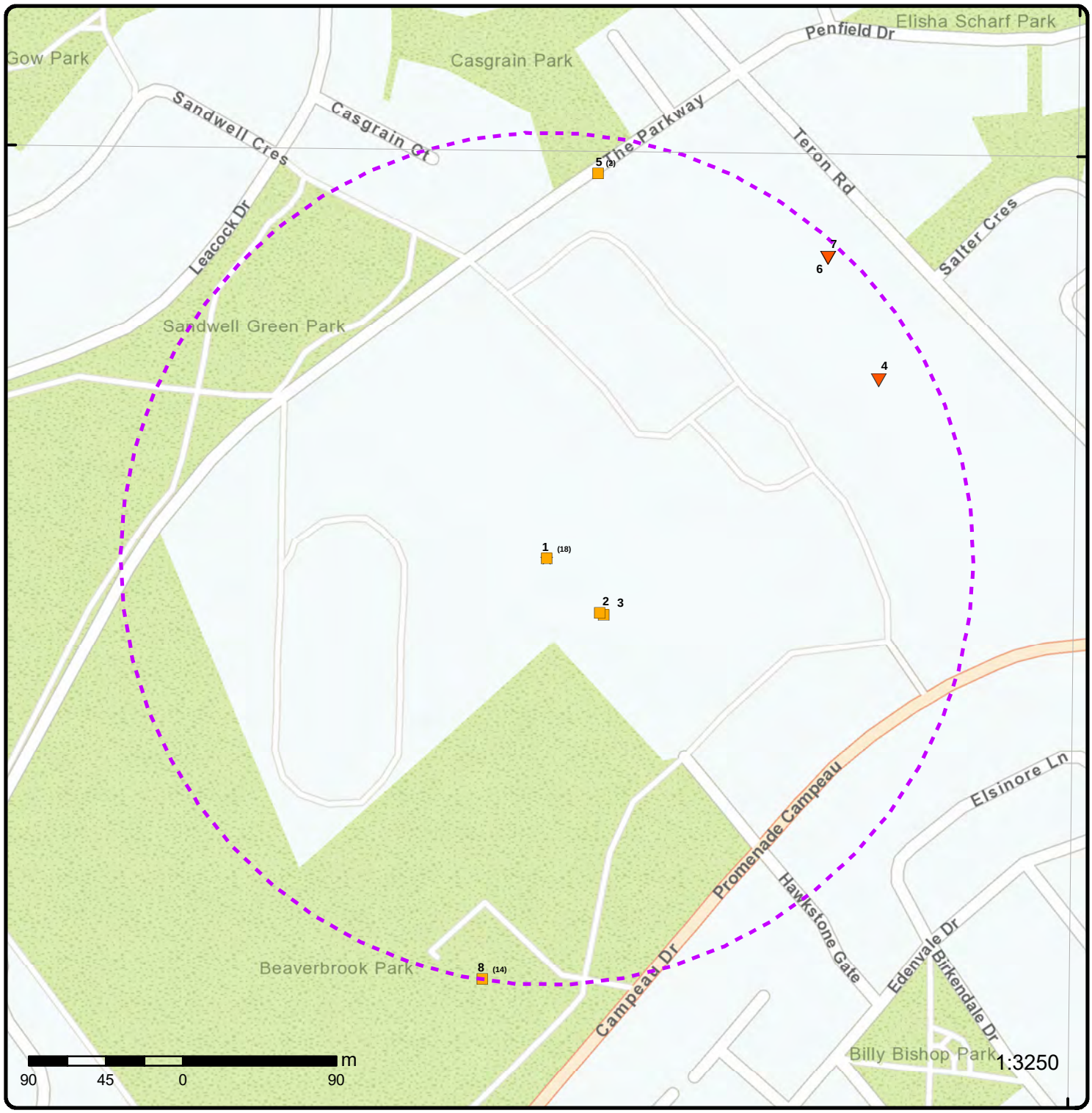
Lower Elevation	Address	Direction	Distance (m)	Map Key
ULTRAMAR	960 TERON TANK TRUCK (CARGO) WEST CARLETON TOWNSHIP ON	ENE	220.96	4

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 3 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 7404498	SE	44.55	2
	ON ***Well ID:*** 7216641	SE	46.67	3

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 3 con 3 ON ***Well ID:*** 1503335	NE	241.19	6



Map: 0.25 Kilometer Radius

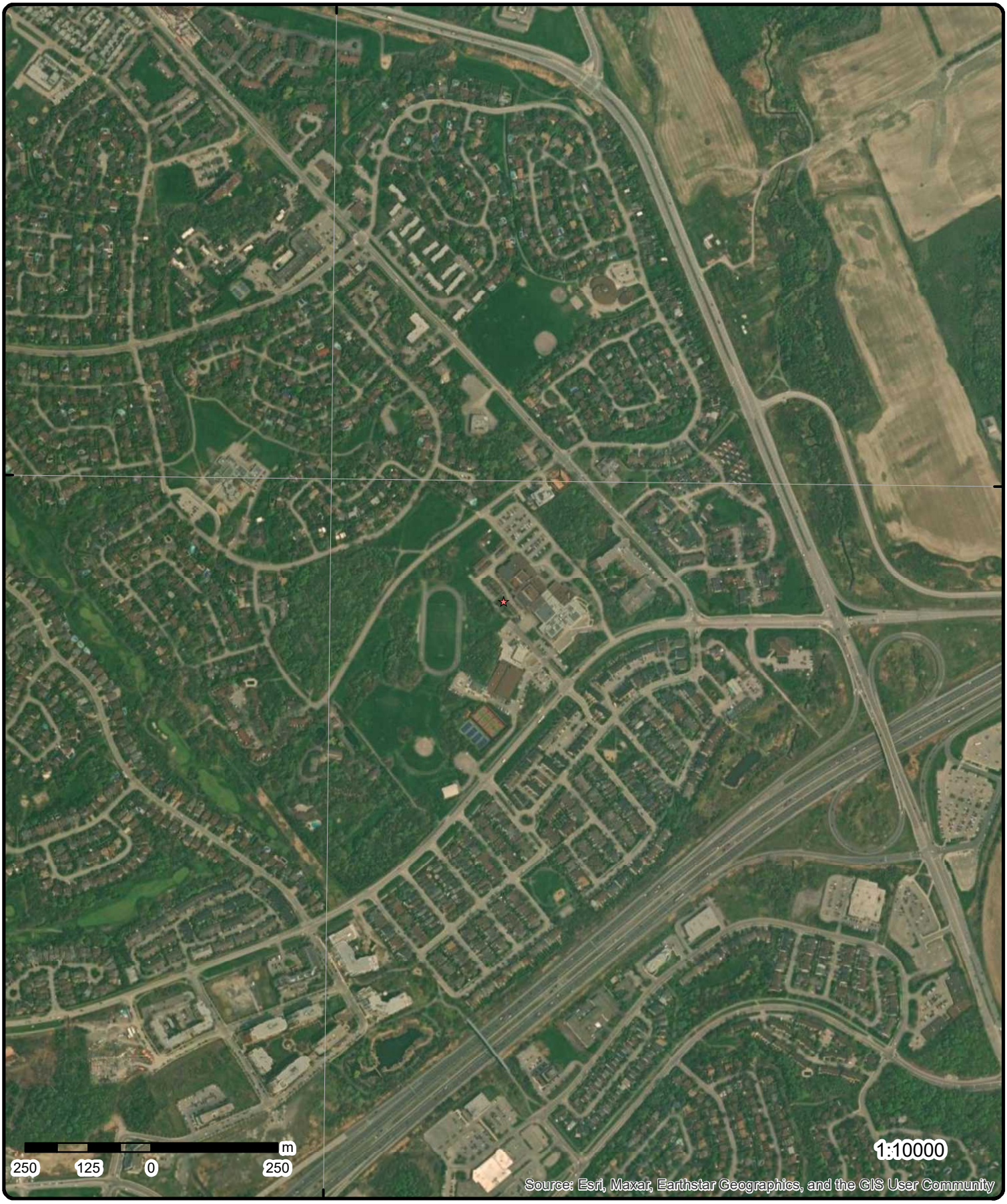
Order Number: 24040400053

Address: 4 The Pkwy, Ottawa, ON

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

75°54'W

45°19'30"N



45°19'30"N

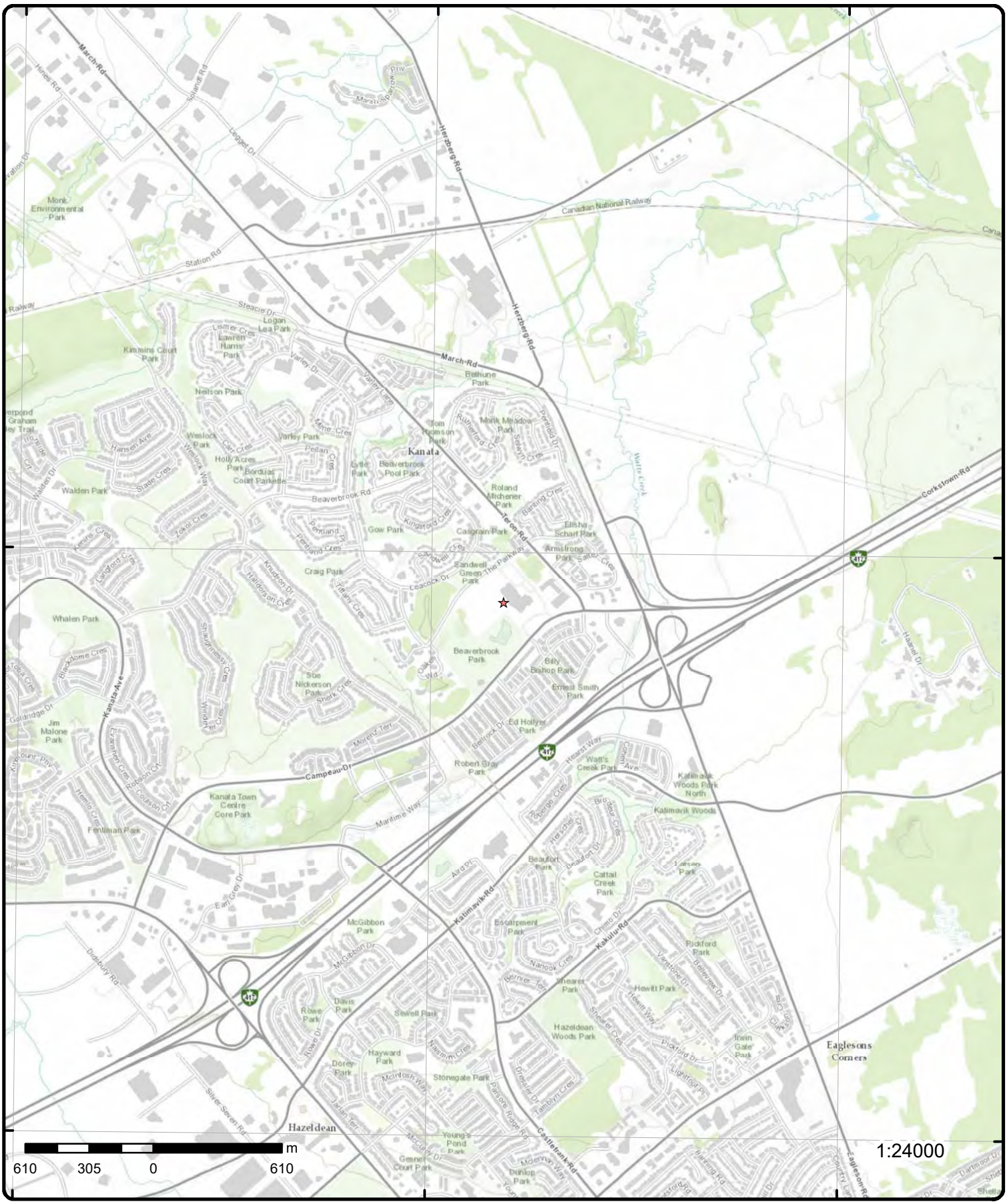
Aerial

Year: 2023

Order Number: 24040400053

Address: 4 The Pkwy, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: 4 The Pkwy, ON

Source: ESRI World Topographic Map

Order Number: 24040400053

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 18	-/0.0	95.9 / 0.00	CARLETON BOARD OF EDUCATION EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	GEN

Generator No: ON0051015
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.
Approval Years: 92,93,97
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 18	-/0.0	95.9 / 0.00	CARLETON BOARD OF EDUCATION 07-625 EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	GEN

Generator No: ON0051015
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.
Approval Years: 94,95,96
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 18	-/0.0	95.9 / 0.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	GEN

Generator No: ON0051015
SIC Code: 8511
SIC Description: ELEMT./SECON. EDUC.
Approval Years: 98,99,00,01,02,03,04,05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	4 of 18	-/0.0	95.9 / 0.00	Ottawa-Carleton District School Board 4 The Parkway Kanata Ottawa ON	CA

Certificate #: 4219-84GK5P
Application Year: 2010
Issue Date: 4/15/2010
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	5 of 18	-/0.0	95.9 / 0.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	GEN

Generator No: ON0051015
SIC Code: 611110
SIC Description: Elementary and Secondary Schools
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	6 of 18	-/0.0	95.9 / 0.00	4 The Parkway Ottawa ON	EHS

Order No: 20130328018
Status: C
Report Type: Standard Report
Report Date: 08-APR-13
Date Received: 28-MAR-13
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: 0
Y: 0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	7 of 18	-/0.0	95.9 / 0.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY	GEN

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

Generator No: ON0051015
SIC Code: 611110
SIC Description: Elementary and Secondary Schools
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	8 of 18	-/0.0	95.9 / 0.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON	GEN

Generator No: ON0051015
SIC Code: 611110
SIC Description: Elementary and Secondary Schools
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:

Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

1	*9 of 18*	*-/0.0*	*95.9 / 0.00*	***OTTAWA-CARLETON DISTRICT SCHOOL BOARD*** ***EARL OF MARCH SECONDARY SCHOOL NO. 4*** ***THE PARKWAY*** ***KANATA ON K2K 1Y4***	***GEN***

Generator No: ON0051015
SIC Code: 611110
SIC Description: Elementary and Secondary Schools
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	*10 of 18*	*-/0.0*	*95.9 / 0.00*	***OTTAWA-CARLETON DISTRICT SCHOOL BOARD*** ***EARL OF MARCH SECONDARY SCHOOL NO. 4*** ***THE PARKWAY*** ***KANATA ON***	*GEN*

Generator No: ON0051015
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	112
Waste Class Name:	ACID WASTE - HEAVY METALS
Waste Class:	212
Waste Class Name:	ALIPHATIC SOLVENTS
Waste Class:	221
Waste Class Name:	LIGHT FUELS
Waste Class:	145
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	331
Waste Class Name:	WASTE COMPRESSED GASES
Waste Class:	263
Waste Class Name:	ORGANIC LABORATORY CHEMICALS
Waste Class:	264
Waste Class Name:	PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	11 of 18	-/0.0	95.9 / 0.00	**Ottawa-Carleton District School Board** **4 The Parkway Kanata** **Ottawa ON K2H 6L3**	ECA

Approval No:	4219-84GK5P	**MOE District:**	Ottawa
Approval Date:	2010-04-15	**City:**	
Status:	Approved	**Longitude:**	-75.89557
Record Type:	ECA	**Latitude:**	45.322998
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Mississippi Valley	**Geometry Y:**	

Approval Type:	ECA-AIR
Project Type:	AIR
Business Name:	Ottawa-Carleton District School Board
Address:	4 The Parkway Kanata
Full Address:	
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5414-7RMMP5-14.pdf
PDF Site Location:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	12 of 18	-/0.0	95.9 / 0.00	**OTTAWA-CARLETON DISTRICT SCHOOL BOARD** **EARL OF MARCH SECONDARY SCHOOL NO. 4** **THE PARKWAY** **KANATA ON K2K 1Y4**	GEN

Generator No:	ON0051015
SIC Code:	611110
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS
Approval Years:	2016
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Greg Benson
Choice of Contact:	CO_OFFICIAL
Phone No Admin:	613-596-8211 Ext.8549
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	122
Waste Class Name:	ALKALINE WASTES - OTHER METALS
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	264
Waste Class Name:	PHOTOPROCESSING WASTES
Waste Class:	112
Waste Class Name:	ACID WASTE - HEAVY METALS
Waste Class:	212
Waste Class Name:	ALIPHATIC SOLVENTS
Waste Class:	148
Waste Class Name:	INORGANIC LABORATORY CHEMICALS
Waste Class:	146
Waste Class Name:	OTHER SPECIFIED INORGANICS
Waste Class:	331
Waste Class Name:	WASTE COMPRESSED GASES
Waste Class:	221
Waste Class Name:	LIGHT FUELS
Waste Class:	263
Waste Class Name:	ORGANIC LABORATORY CHEMICALS
Waste Class:	145
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	121
Waste Class Name:	ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	13 of 18	-/0.0	95.9 / 0.00	***OTTAWA-CARLETON DISTRICT SCHOOL BOARD*** ***EARL OF MARCH SECONDARY SCHOOL NO. 4*** ***THE PARKWAY*** ***KANATA ON K2K 1Y4***	***GEN***

Generator No:	ON0051015
SIC Code:	611110
SIC Description:	ELEMENTARY AND SECONDARY SCHOOLS
Approval Years:	2015
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Greg Benson
Choice of Contact:	CO_OFFICIAL
Phone No Admin:	613-596-8211 Ext.8549
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	14 of 18	-/0.0	95.9 / 0.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	GEN

Generator No: ON0051015
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Greg Benson
Choice of Contact: CO_OFFICIAL
Phone No Admin: 613-596-8211 Ext.8549
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 145

Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 121
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

1	***15 of 18***	***-/0.0***	***95.9 / 0.00***	***OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4***	***GEN***

Generator No: ON0051015
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 112 C
Waste Class Name: Acid solutions - containing heavy metals

Waste Class: 121 C
Waste Class Name: Alkaline slutions - containing heavy metals

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 145 I
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 145 L
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 146 R
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 148 A
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 B
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 C
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 I
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 L
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 R
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 212 B
Waste Class Name: Aliphatic solvents and residues

Waste Class: 212 I
Waste Class Name: Aliphatic solvents and residues

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Class: 221 L
Waste Class Name: Light fuels

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

Waste Class: 253 L
Waste Class Name: Emulsified oils

Waste Class: 263 B
Waste Class Name: Misc. waste organic chemicals

Waste Class: 263 C
Waste Class Name: Misc. waste organic chemicals

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

Waste Class: 263 L
Waste Class Name: Misc. waste organic chemicals

Waste Class: 264 L
Waste Class Name: Photoprocessing wastes

Waste Class: 264 T
Waste Class Name: Photoprocessing wastes

Waste Class: 331 I
Waste Class Name: Waste compressed gases including cylinders

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	16 of 18	-/0.0	95.9 / 0.00	OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety EARL OF MARCH SECONDARY SCHOOL NO. 4 THE PARKWAY KANATA ON K2K 1Y4	GEN

Generator No: ON0051015
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 148 I
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 264 T
Waste Class Name: Photoprocessing wastes

Waste Class: 148 C
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

Waste Class: 263 L
Waste Class Name: Misc. waste organic chemicals

Waste Class: 121 C
Waste Class Name: Alkaline slutions - containing heavy metals

Waste Class: 263 C
Waste Class Name: Misc. waste organic chemicals

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 112 C
Waste Class Name: Acid solutions - containing heavy metals

Waste Class: 331 I
Waste Class Name: Waste compressed gases including cylinders

Waste Class: 221 L
Waste Class Name: Light fuels

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

Waste Class: 148 A
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 212 B
Waste Class Name: Aliphatic solvents and residues

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Class: 148 B
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 263 B
Waste Class Name: Misc. waste organic chemicals

Waste Class: 146 R
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 148 R
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 253 L
Waste Class Name: Emulsified oils

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

Waste Class: 148 L
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 145 L
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Class: 264 L
Waste Class Name: Photoprocessing wastes

Waste Class: 145 I
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 212 I
Waste Class Name: Aliphatic solvents and residues

1	*17 of 18*	*-/0.0*	*95.9 / 0.00*	***OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety*** ***EARL OF MARCH SECONDARY SCHOOL NO. 4*** ***THE PARKWAY*** ***KANATA ON K2K 1Y4***	*GEN*

Generator No: ON0051015
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:

Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 263 B
Waste Class Name: Misc. waste organic chemicals

Waste Class: 146 R
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 212 B
Waste Class Name: Aliphatic solvents and residues

Waste Class: 148 B
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 148 I
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 145 I
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 263 L
Waste Class Name: Misc. waste organic chemicals

Waste Class: 331 I
Waste Class Name: Waste compressed gases including cylinders

Waste Class: 264 L
Waste Class Name: Photoprocessing wastes

Waste Class: 263 C
Waste Class Name: Misc. waste organic chemicals

Waste Class: 212 I
Waste Class Name: Aliphatic solvents and residues

Waste Class: 148 L
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 145 L
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

Waste Class: 221 L
Waste Class Name: Light fuels

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

Waste Class: 121 C
Waste Class Name: Alkaline slutions - containing heavy metals

Waste Class: 148 A

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

Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 112 C
Waste Class Name: Acid solutions - containing heavy metals

Waste Class: 264 T
Waste Class Name: Photoprocessing wastes

Waste Class: 253 L
Waste Class Name: Emulsified oils

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Class: 148 C
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 R
Waste Class Name: Misc. wastes and inorganic chemicals

1	*18 of 18*	*-/0.0*	*95.9 / 0.00*	***OTTAWA-CARLETON DISTRICT SCHOOL BOARD Health and Safety*** ***EARL OF MARCH SECONDARY SCHOOL NO. 4*** ***THE PARKWAY*** ***KANATA ON K2K 1Y4***	***GEN***

Generator No: ON0051015
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 331 I
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 145 L
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 145 I
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 146 R
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 253 L
Waste Class Name: EMULSIFIED OILS

Waste Class: 148 C
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212 L
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263 C
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 148 R
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 122 C
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 148 A
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 263 I
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 112 C
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 221 I
Waste Class Name: LIGHT FUELS

Waste Class: 213 I
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 121 C
Waste Class Name: ALKALINE WASTES - HEAVY METALS

Waste Class: 263 B
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212 I
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 264 L
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 212 B
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 221 L
Waste Class Name: LIGHT FUELS

Waste Class: 263 L
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 148 I
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 264 T
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 148 L
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 148 B
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 146 L
Waste Class Name: OTHER SPECIFIED INORGANICS

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

2 **1 of 1** **SE/44.6** **95.9 / 0.00** **ON** **WWIS**

Well ID:	7404498	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	12/03/2021
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	C41277	**Contractor:**	6964
Tag:	A331357	**Form Version:**	8
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MARCH TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	1008866917	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	429842.00
Code OB Desc:		**North83:**	5019174.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/16/2021	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Bore Hole ID:	1008866917	**Tag No:**	A331357
Depth M:		**Contractor:**	6964
Year Completed:	2021	**Latitude:**	45.3225646372903
Well Completed Dt:	11/16/2021	**Longitude:**	-75.895194614319
Audit No:	C41277	**Y:**	45.32256463021506
Path:		**X:**	-75.89519445294742

3 **1 of 1** **SE/46.7** **95.9 / 0.00** **ON** **WWIS**

Well ID:	7216641	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	02/20/2014
Water Type:		**Selected Flag:**	TRUE

Casing Material:		**Abandonment Rec:**	
Audit No:	C21867	**Contractor:**	6964
Tag:	A137260	**Form Version:**	8
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	MARCH TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	07/25/2013
Year Completed:	2013
Depth (m):	
Latitude:	45.3225558369734
Longitude:	-75.8951689563113
Path:	

Bore Hole Information

Bore Hole ID:	1004713338	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	429844.00
Code OB Desc:		**North83:**	5019173.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/25/2013	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Bore Hole ID:	1004713338	**Tag No:**	A137260
Depth M:		**Contractor:**	6964
Year Completed:	2013	**Latitude:**	45.3225558369734
Well Completed Dt:	07/25/2013	**Longitude:**	-75.8951689563113
Audit No:	C21867	**Y:**	45.32255583050453
Path:		**X:**	-75.89516879437721

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4 | ***1 of 1*** | ***ENE/221.0*** | ***94.9 / -1.00*** | ***ULTRAMAR 960 TERON TANK TRUCK (CARGO) WEST CARLETON TOWNSHIP ON*** | ***SPL***

Ref No:	175585	**Municipality No:**	20613
Year:		**Nature of Damage:**	
Incident Dt:	12/7/1999	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	

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

MOE Reported Dt:	12/7/1999	**Health/Env Conseq:**	
Dt Document Closed:		**Agency Involved:**	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	WEST CARLETON TOWNSHIP		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Incident Cause:	CONTAINER OVERFLOW		
Incident Event:			
Environment Impact:	POSSIBLE		
Nature of Impact:	Soil contamination		
Contaminant Qty:			
System Facility Address:			
Client Name:			
Client Type:			
Source Type:			
Contaminant Code:			
Contaminant Name:			
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	LAND		
Incident Reason:	ERROR		
Incident Summary:	ULTRAMAR: 5L FURNACE OIL SPILLED TO PAVED DRIVEWAY.		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:			
SAC Action Class:			
Call Report Locatn Geodata:			

5	***1 of 2***	***N/227.9***	***95.9 / 0.00***	***PIPELINE HIT - 2" 4 PARKWAY (THE),,KANATA,ON,K2K 1Y4,CA ON***	***PINC***

Incident Id:		**Pipe Material:**	
Incident No:	1490708	**Fuel Category:**	
Incident Reported Dt:	10/2/2014	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Pipeline Damage Reason Est	**Service Interrupt:**	
Task No:		**Enforce Policy:**	
Spills Action Centre:		**Public Relation:**	
Fuel Type:		**Pipeline System:**	
Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	
Customer Acct Name:	PIPELINE HIT - 2"		
Incident Address:	4 PARKWAY (THE),,KANATA,ON,K2K 1Y4,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			

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

Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

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5 | ***2 of 2*** | ***N/227.9*** | ***95.9 / 0.00*** | ***EARL OF MARCH SECONDARY SCHOOL***
4 THE PARKWAY
KANATA ON | ***INC***

Incident No:	2177162	***Any Health Impact:***	
Incident ID:		***Any Enviro Impact:***	
Instance No:	64769603	***Service Intrp:***	
Status Code:		***Was Prop Damaged:***	
Incident Status:	Unable to Establish L2 RC	***Reside App. Type:***	
Incident Severity:		***Commer App. Type:***	
Task No:		***Indus App. Type:***	
Attribute Category:	FS-Incident	***Institut App. Type:***	
Context:		***Depth Ground Cover:***	
Date of Occurrence:	10/19/2017	***Operation Pressure:***	
Time of Occurrence:		***Equipment Type:***	
Occr Insp Start Dt:		***Equipment Model:***	
Incident Creat On:	10/20/2017	***Serial No:***	
Instance Creat Dt:		***Cylinder Capacity:***	
Instance Install Dt:		***Cylinder Cap Units:***	
Approx Quant Rel:		***Cylinder Mat Type:***	
Tank Capacity:		***Pump Flow Rate Cap:***	
Fuels Occur Type:	Explosion	***Contam. Migrated:***	
Occur Type Rpt:	Explosion	***Near Body of Water:***	
Occur Category:		***Drainage System:***	
Fuel Type Involved:	Natural Gas	***Sub Surface Contam:***	
Fuel Type Reported:	Heating Fuel	***Tank Material Type:***	
Enforcement Policy:		***Tank Storage Type:***	
Prc Escalation Req:		***Tank Location Type:***	

Item:
Item Description:
Device Installed Location:
Venting Type:
Vent Conn Mater:
Vent Chimney Mater:
Pipeline Type:
Pipeline Involved:
Pipe Material:
Regulator Location:
Regulator Type:
Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Liquid Prop Notes:
Inventory Address: 4 THE PARKWAY
Invent Postal Code: K2K 1Y4
Notes:
Contact Natural Env:
Aff Prop Use Water:
Occurence Narrative: Boiler exploded
Operation Type Involved: Institution (including hospital, school, govt building, etc.)

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6 | ***1 of 1*** | ***NE/241.2*** | ***94.9 / -1.00*** | ***lot 3 con 3***
ON | ***WWIS***

Well ID:	1503335	***Flowing (Y/N):***	

Construction Date:		**Flow Rate:**	
Use 1st:	Commerical	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	12/14/1966
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1802
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	003
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: MARCH TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503335.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/03/1966
Year Completed: 1966
Depth (m): 30.48
Latitude: 45.3244500509989
Longitude: -75.8935195577143
Path: 150\1503335.pdf

Bore Hole Information

Bore Hole ID:	10025378	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	429975.60
Code OB Desc:		**North83:**	5019382.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/03/1966	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Loc Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930996605
Layer: 2
Color: 7
General Color: RED
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth:	25.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930996604
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961503335
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	10573948
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930043509
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930043508
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991503335
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	24.0
Recommended Pump Depth:	24.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933456229
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10025378	***Tag No:***	
Depth M:	30.48	***Contractor:***	1802
Year Completed:	1966	***Latitude:***	45.3244500509989
Well Completed Dt:	10/03/1966	***Longitude:***	-75.8935195577143
Audit No:		***Y:***	45.3244500443802
Path:	150\1503335.pdf	***X:***	-75.8935193962719

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7 ***1 of 1*** ***NE/241.3*** ***94.9 / -1.00*** ***ON*** ***BORE***

Borehole ID:	609723	***Inclin FLG:***	No
OGF ID:	215511338	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	OCT-1966	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.324451
Total Depth m:	30.5	***Longitude DD:***	-75.893519
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	429976
Drill Method:		***Northing:***	5019382
Orig Ground Elev m:	91.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	93.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218383914	**Mat Consistency:**	
Top Depth:	7.6	**Material Moisture:**	
Bottom Depth:	30.5	**Material Texture:**	
Material Color:	White	**Non Geo Mat Type:**	
Material 1:	Granite	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRANITE. WHITE. 0008000185UNSPECIFIED. SEISMIC VELOCITY = 4800. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218383913	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	7.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 02231 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

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8 | ***1 of 14*** | ***SSW/249.5*** | ***95.9 / 0.00*** | ***city of ottawa
2500 campeau drive
ottawa ON k2k 2w3*** | ***GEN***

Generator No:	ON6853466
SIC Code:	
SIC Description:	
Approval Years:	02,03,04,05,06,07,08
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

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8 | **2 of 14** | **SSW/249.5** | **95.9 / 0.00** | **city of ottawa**
2500 campeau drive
ottawa ON | **GEN**

Generator No: ON6853466
SIC Code: 711319
SIC Description: Sports Stadiums and Other Presenters with Facilities
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

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8 | **3 of 14** | **SSW/249.5** | **95.9 / 0.00** | **city of ottawa**
2500 campeau drive
ottawa ON | **GEN**

Generator No: ON6853466
SIC Code: 711319
SIC Description: Sports Stadiums and Other Presenters with Facilities
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:

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

Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

8	*4 of 14*	*SSW/249.5*	*95.9 / 0.00*	***city of ottawa*** ***2500 campeau drive*** ***ottawa ON***	***GEN***

Generator No: ON6853466
SIC Code: 711319
SIC Description: Sports Stadiums and Other Presenters with Facilities
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

8	*5 of 14*	*SSW/249.5*	*95.9 / 0.00*	***R.E. HEIN CONSTRUCTION*** ***2500 Campeau Dr.*** ***Ottawa ON***	***GEN***

Generator No: ON9504758
SIC Code: 519121
SIC Description: LIBRARIES
Approval Years: 2013

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

PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	6 of 14	SSW/249.5	95.9 / 0.00	city of ottawa 2500 campeau drive ottawa ON k2k 2w3	GEN

Generator No: ON6853466
SIC Code: 711319
SIC Description: Sports Stadiums and Other Presenters with Facilities
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	7 of 14	SSW/249.5	95.9 / 0.00	city of ottawa 2500 campeau drive ottawa ON	GEN

Generator No: ON6853466
SIC Code: 711319
SIC Description: SPORTS STADIUMS AND OTHER PRESENTERS WITH FACILITIES
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:

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

MHSW Facility:

Detail(s)

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

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8 | ***8 of 14*** | ***SSW/249.5*** | ***95.9 / 0.00*** | ***city of ottawa 2500 campeau drive ottawa ON k2k 2w3*** | ***GEN***

Generator No: ON6853466
SIC Code: 711319
SIC Description: SPORTS STADIUMS AND OTHER PRESENTERS WITH FACILITIES
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin: BRIAN G CLIFTON
Choice of Contact: CO_OFFICIAL
Phone No Admin: 613-223-1993 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

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8 | ***9 of 14*** | ***SSW/249.5*** | ***95.9 / 0.00*** | ***city of ottawa 2500 campeau drive ottawa ON k2k 2w3*** | ***GEN***

Generator No: ON6853466
SIC Code: 711319
SIC Description: SPORTS STADIUMS AND OTHER PRESENTERS WITH FACILITIES
Approval Years: 2016
PO Box No:
Country: Canada

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

Status:
Co Admin: BRIAN G CLIFTON
Choice of Contact: CO_OFFICIAL
Phone No Admin: 613-223-1993 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

8	*10 of 14*	*SSW/249.5*	*95.9 / 0.00*	***city of ottawa*** ***2500 campeau drive*** ***ottawa ON k2k 2w3***	***GEN***

Generator No: ON6853466
SIC Code: 711319
SIC Description: SPORTS STADIUMS AND OTHER PRESENTERS WITH FACILITIES
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: BRIAN G CLIFTON
Choice of Contact: CO_OFFICIAL
Phone No Admin: 613-223-1993 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 252
Waste Class Name: WASTE OILS & LUBRICANTS

8	*11 of 14*	*SSW/249.5*	*95.9 / 0.00*	***city of ottawa RPAM*** ***2500 campeau drive*** ***ottawa ON k2k 2w3***	***GEN***

Generator No: ON6853466

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

SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 C
Waste Class Name: Waste crankcase oils and lubricants

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

8	12 of 14	SSW/249.5	95.9 / 0.00	city of ottawa RPAM 2500 campeau drive ottawa ON k2k 2w3	GEN

Generator No: ON6853466
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 C
Waste Class Name: Waste crankcase oils and lubricants

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

8	13 of 14	SSW/249.5	95.9 / 0.00	city of ottawa RPAM 2500 campeau drive ottawa ON k2k 2w3	GEN

Generator No: ON6853466
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

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

Detail(s)

Waste Class: 133 L
Waste Class Name: Brine, chlor-alkali sludges

Waste Class: 252 L
Waste Class Name: Waste crankcase oils and lubricants

Waste Class: 252 C
Waste Class Name: Waste crankcase oils and lubricants

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	14 of 14	SSW/249.5	95.9 / 0.00	city of ottawa RPAM 2500 campeau drive ottawa ON k2k 2w3	GEN

Generator No: ON6853466
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 133 L
Waste Class Name: BRINES, CHLOR-ALKALI WASTES

Waste Class: 252 C
Waste Class Name: WASTE OILS & LUBRICANTS

Unplottable Summary

Total: 13 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Campeau Drive	Kanata ON	
CA	GILPAUL INVESTMENTS LIMITED	CAMPEAU DR., BUSINESS DEPOT	KANATA CITY ON	
CA	GENSTAR DEVELOPMENT COMPANY - CAMPEAU DR	CAMPEAU DR.EXTENSION PH. II	KANATA CITY ON	
CA	CAMPEAU CORPORATION	CAMPEAU DR.	KANATA CITY ON	
CA	GENSTAR DEVELOPMENT COMPANY- CAMPEAU DR.	CAMPEAU DR. EXTENSION PH. II	KANATA CITY ON	
CA	CAMPEAU CORPORATION EASEMENT	CAMPEAU DR. CLUSTER 2	KANATA CITY ON	
ECA	Ultramar Ltd.	Part 1, Reference Plan 4R-23561	Ottawa ON	H3A 3L3
ECA	City of Ottawa	Campeau Dr	Ottawa ON	K2G 6J8
RST	ULTRAMAR LTÉE	OTTAWA	OTTAWA ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	

Unplottable Report

Site:
Campeau Drive Kanata ON

Database:
CA

Certificate #:	1087-4SZRC5
Application Year:	01
Issue Date:	1/15/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Urbandale Corporation
Client Address:	2193 Arch Street
Client City:	OTTAWA
Client Postal Code:	K1G 2H5
Project Description:	Construction of a watermain on Campeau Drive for the Village Green Subdivision
Contaminants:	
Emission Control:	

Site: ***GILPAUL INVESTMENTS LIMITED***
CAMPEAU DR., BUSINESS DEPOT KANATA CITY ON

Database:
CA

Certificate #:	3-1224-96-
Application Year:	96
Issue Date:	11/14/1996
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***GENSTAR DEVELOPMENT COMPANY - CAMPEAU DR***
CAMPEAU DR.EXTENSION PH. II KANATA CITY ON

Database:
CA

Certificate #:	7-1213-90-
Application Year:	90
Issue Date:	8/9/1990
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CAMPEAU CORPORATION***
CAMPEAU DR. KANATA CITY ON

Database:
CA

Certificate #:	7-0016-88-
Application Year:	88

Issue Date: 1/21/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***GENSTAR DEVELOPMENT COMPANY- CAMPEAU DR.***
CAMPEAU DR. EXTENSION PH. II KANATA CITY ON

Database: ***CA***

Certificate #: 3-1494-90-
Application Year: 90
Issue Date: 8/9/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CAMPEAU CORPORATION EASEMENT***
CAMPEAU DR. CLUSTER 2 KANATA CITY ON

Database: ***CA***

Certificate #: 3-0332-89-
Application Year: 89
Issue Date: 3/10/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Ultramar Ltd.***
Part 1, Reference Plan 4R-23561 Ottawa ON H3A 3L3

Database: ***ECA***

Approval No: 1928-8W2Q6W
Approval Date: 2012-07-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Ultramar Ltd.
Address: Part 1, Reference Plan 4R-23561
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2244-8RJQ9S-14.pdf
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***City of Ottawa***
Campeau Dr Ottawa ON K2G 6J8

Database: ***ECA***

Approval No:	0311-BFFQWB	***MOE District:***	
Approval Date:	2019-10-10	***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		
Business Name:	City of Ottawa		
Address:	Campeau Dr		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4754-BFAS8F-14.pdf		
PDF Site Location:			

Site: ***ULTRAMAR LTÉE***
OTTAWA OTTAWA ON

Database: ***RST***

Headcode:	924800
Headcode Desc:	Oils-Fuel
Phone:	6137275200
List Name:	
Description:	

Site:
lot 3 ON

Database: ***WWIS***

Well ID:	1531360	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	09/15/2000
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	221695	***Contractor:***	1119
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	003
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	MARCH TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10052894	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07/27/2000	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931078271
Layer: 1
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 141.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931078272
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 141.0
Formation End Depth: 180.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116526
Layer: 1
Plug From: 2.0
Plug To: 123.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531360
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10601464
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092530
Layer: 2

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

Construction Record - Casing

Casing ID: 930092529
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092531
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531360
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 110.0
Recommended Pump Depth: 110.0
Pumping Rate: 160.0
Flowing Rate:
Recommended Pump Rate: 160.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934396030
Test Type: Recovery
Test Duration: 30
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113526
Test Type: Recovery
Test Duration: 15
Test Level: 10.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914413
Test Type: Recovery
Test Duration: 60
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934657104
Test Type: Recovery
Test Duration: 45
Test Level: 10.0
Test Level UOM: ft

Water Details

Water ID: 933491788
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 159.0
Water Found Depth UOM: ft

Water Details

Water ID: 933491787
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 142.0
Water Found Depth UOM: ft

Water Details

Water ID: 933491789
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 173.0
Water Found Depth UOM: ft

Site:
lot 3 ON

Database: ***WWIS***

Well ID: 1531281
Construction Date:
Use 1st: Municipal
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 221690
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/18/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:

Clear/Cloudy:
Municipality: MARCH TOWNSHIP
Site Info:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052815
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/30/2000
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931078062
Layer: 1
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 121.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931078065
Layer: 4
Color: 1
General Color: WHITE
Mat1: 46
Most Common Material: QUARTZ
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 436.0
Formation End Depth: 597.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931078066
Layer: 5
Color: 8
General Color: BLACK
Mat1: 21
Most Common Material: GRANITE

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 597.0
Formation End Depth: 600.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931078063
Layer: 2
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 121.0
Formation End Depth: 224.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931078064
Layer: 3
Color: 1
General Color: WHITE
Mat1: 46
Most Common Material: QUARTZ
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 224.0
Formation End Depth: 436.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116452
Layer: 1
Plug From: 2.0
Plug To: 180.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961531281
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10601385
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092363
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092362
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092364
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531281
Pump Set At:
Static Level: 2.0
Final Level After Pumping: 61.0
Recommended Pump Depth: 200.0
Pumping Rate: 210.0
Flowing Rate:
Recommended Pump Rate: 210.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 12
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934913923
Test Type: Draw Down
Test Duration: 60
Test Level: 61.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934395957
Test Type: Draw Down
Test Duration: 30
Test Level: 61.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934657031
Test Type: Draw Down
Test Duration: 45
Test Level: 61.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113453
Test Type: Draw Down
Test Duration: 15
Test Level: 56.0
Test Level UOM: ft

Water Details

Water ID: 933491675
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 225.0
Water Found Depth UOM: ft

Water Details

Water ID: 933491676
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 597.0
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
WWIS

Well ID: 1526862
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: MARCH TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/20/1992
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3323
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10048550	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/27/1986	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931065378
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	02
Mat3 Desc:	TOPSOIL
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931065380
Layer:	3
Color:	7
General Color:	RED
Mat1:	21
Most Common Material:	GRANITE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	155.0
Formation End Depth:	165.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931065379
Layer:	2
Color:	2
General Color:	GREY
Mat1:	21
Most Common Material:	GRANITE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	7.0

Formation End Depth: 155.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112006
Layer: 1
Plug From: 0.0
Plug To: 18.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526862
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10597120
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930085002
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991526862
Pump Set At:
Static Level: 5.0
Final Level After Pumping: 160.0
Recommended Pump Depth: 80.0
Pumping Rate: 40.0
Flowing Rate:
Recommended Pump Rate: 25.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934910783
Test Type:
Test Duration: 60
Test Level: 5.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653173
Test Type:
Test Duration: 45
Test Level: 5.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392660
Test Type:
Test Duration: 30
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109026
Test Type:
Test Duration: 15
Test Level: 10.0
Test Level UOM: ft

Water Details

Water ID: 933486312
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 160.0
Water Found Depth UOM: ft

Site:
lot 3 ON

Database: ***WWIS***

Well ID: 1521401
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 13902
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: MARCH TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/17/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 5222
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043223
DP2BR:
Spatial Status:
Code OB:

Elevation:
Elevrc:
Zone: 18
East83:

Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/05/1987
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931047916
Layer: 2
Color: 1
General Color: WHITE
Mat1: 20
Most Common Material: QUARTZITE
Mat2: 90
Mat2 Desc: VERY
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 6.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047915
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 01
Mat2 Desc: FILL
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933109439
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521401
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591793
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075473
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075474
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 55.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991521401
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 30.0
Pumping Rate: 100.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934390162
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909517
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934651728
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106483
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933478941
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	51.0
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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Mar 2022

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-Oct 31, 2023

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Oct 31, 2023

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 -Nov 2023

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 2024

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Feb 29, 2024

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Feb 29, 2024

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Feb 29, 2024

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Feb 29, 2024

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Dec 31, 2023

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: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2022

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Oct 2023

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2021

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: 31 Oct, 2023

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020: Federal NPR2

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

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 29, 2024

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Feb 29, 2024

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Feb 29, 2024

NPRI Reporters - PFAS Substances: Federal PFCH

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

Government Publication Date: Sep 2020

Potential PFAS Handers from NPRI: Federal PFHA

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

Government Publication Date: Sep 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing 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, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Feb 29, 2024

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Feb 2024

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Jan 2023; Mar 2023-Dec 2023

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Jan 31, 2024

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Mar 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX G

AERIAL PHOTOGRAPHS

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

HISTORICAL AERIALS

Project Property: Earl Of March Secondary School
4 The Pkwy
Ottawa ON K2K 1Y4

Project No: MM1083

Requested By: CM3 Environmental Inc.

Order No: 24040400053

Date Completed: April 11,2024

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

Date	Source	Scale	Comments
2023	Maxar Technologies	10,000	
2011	City of Ottawa	10,000	
2002	City of Ottawa	10,000	
1991	City of Ottawa	10,000	
1985	National Air Photo Library	10,000	
1976	City of Ottawa	10,000	
1964	National Air Photo Library	10,000	
1959	National Air Photo Library	10,000	
1946	National Air Photo Library	10,000	
1934	National Air Photo Library	10,000	
1920	Decade Coverage Unavailable	10,000	

Year: 2023
Source: MAXAR
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 2011
Source: OTTAWA
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 2002
Source: OTTAWA
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 1991
Source: OTTAWA
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 1985
Source: NAPL
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

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

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 1964
Source: NAPL
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 1959
Source: NAPL
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 1946
Source: NAPL
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

Year: 1934
Source: NAPL
Scale: 10,000
Comment:

Address: 4 The Pkwy, Ottawa, ON
Approx Center: -75.8955966,45.3228482

Order No: 24040400053

ERIS

APPENDIX H

ERIS PHYSICAL SETTING REPORT

Phase One Environmental Site Assessment

4 The Parkway, Kanata, Ontario

OCDSB

MM1083

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:	24040400053p
Date Completed:	April 9, 2024
Project Number:	MM1083
Project Property:	Earl Of March Secondary School 4 The Pkwy Ottawa ON K2K 1Y4
Coordinates:	
Latitude:	45.3228482
Longitude:	-75.8955966
UTM Northing:	5019205.85198 Metres
UTM Easting:	429810.845861 Metres
UTM Zone:	UTM Zone 18T
Elevation:	95.88 m
Slope Direction:	N/A

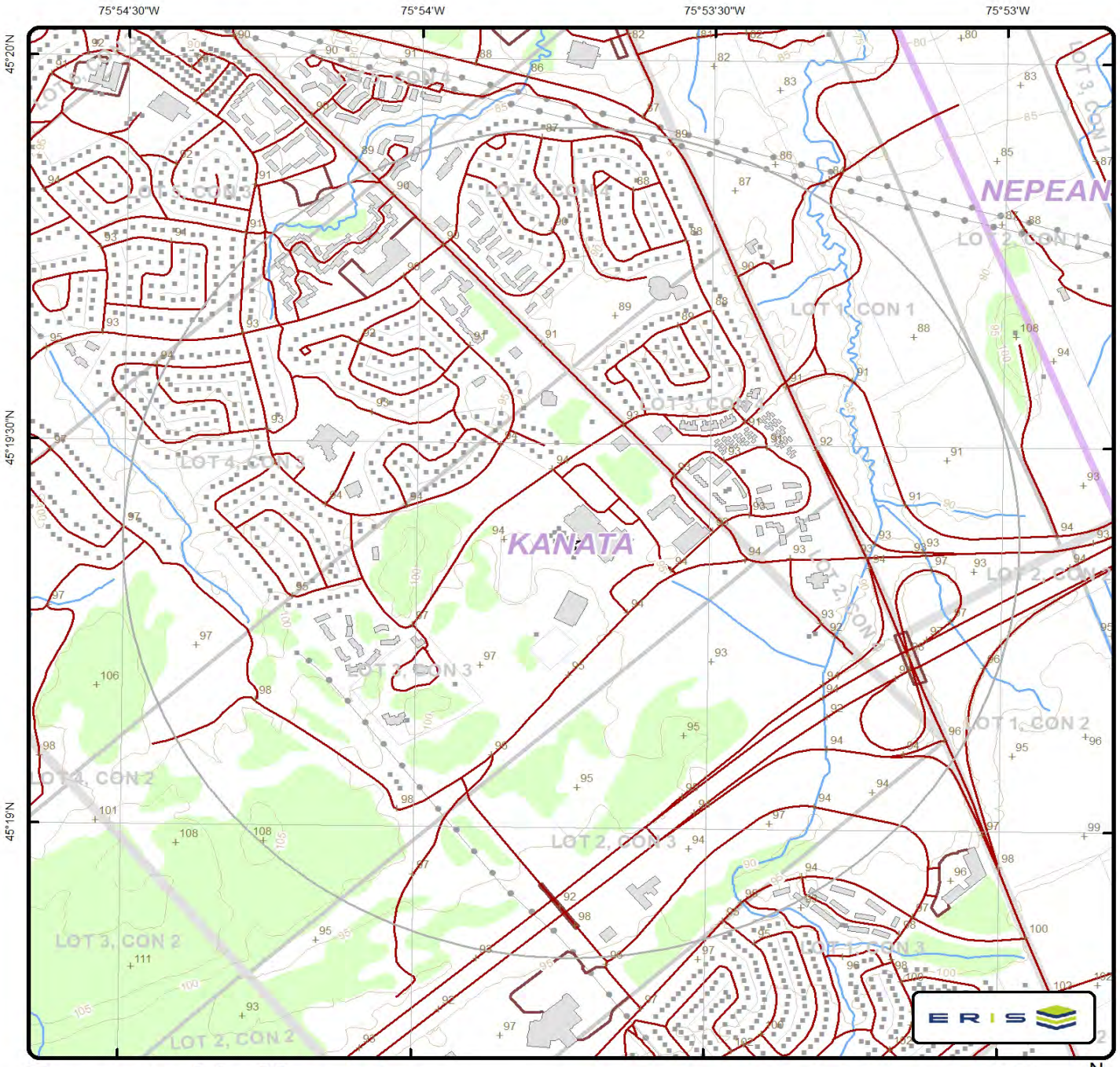
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography as well as hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Topographic Map

Address: 4 The Pkwy,Ottawa,ON

0 0.2 0.4 0.8 KM

N

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

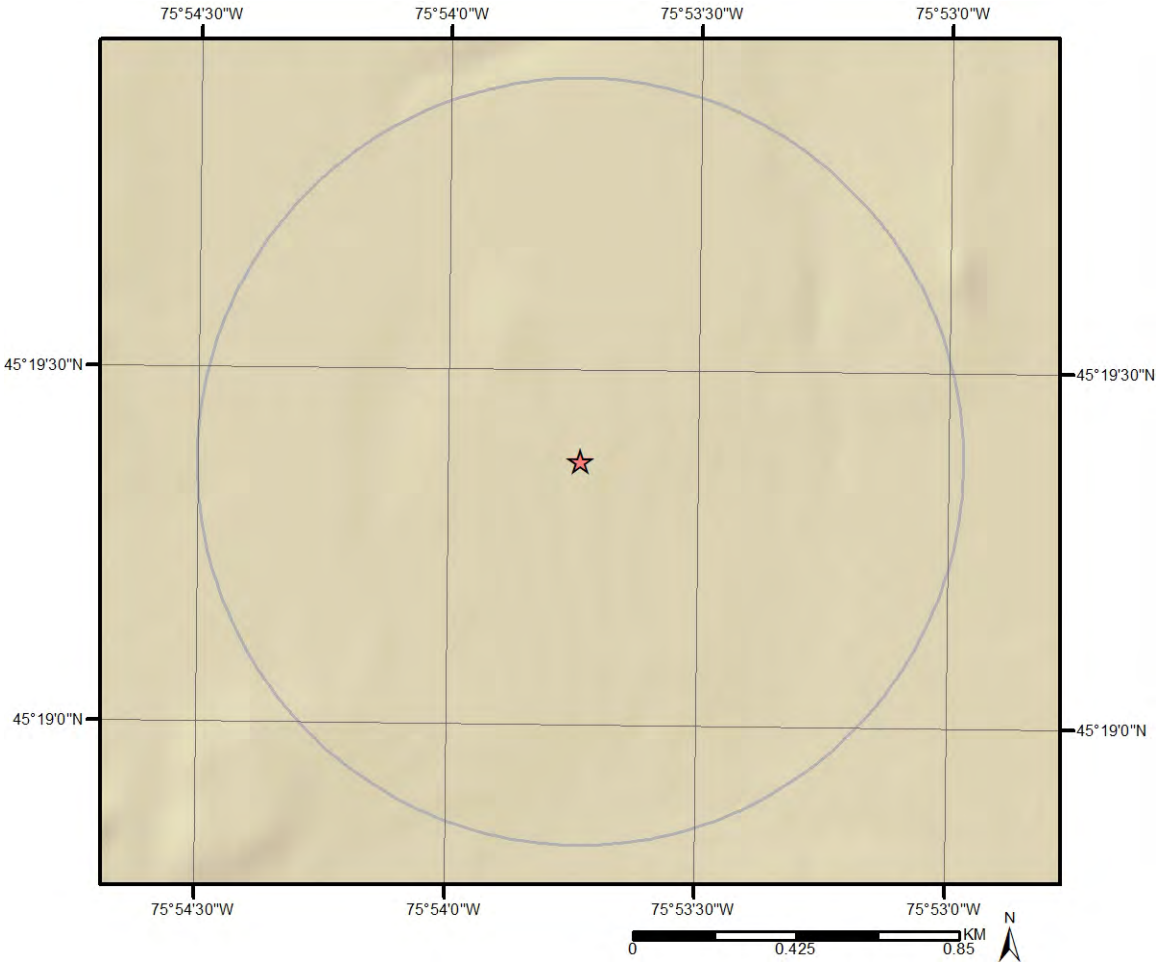
Data source: Ontario Base Mapping (OBM) by Ontario Ministry of Natural Resources.

Topographic Information

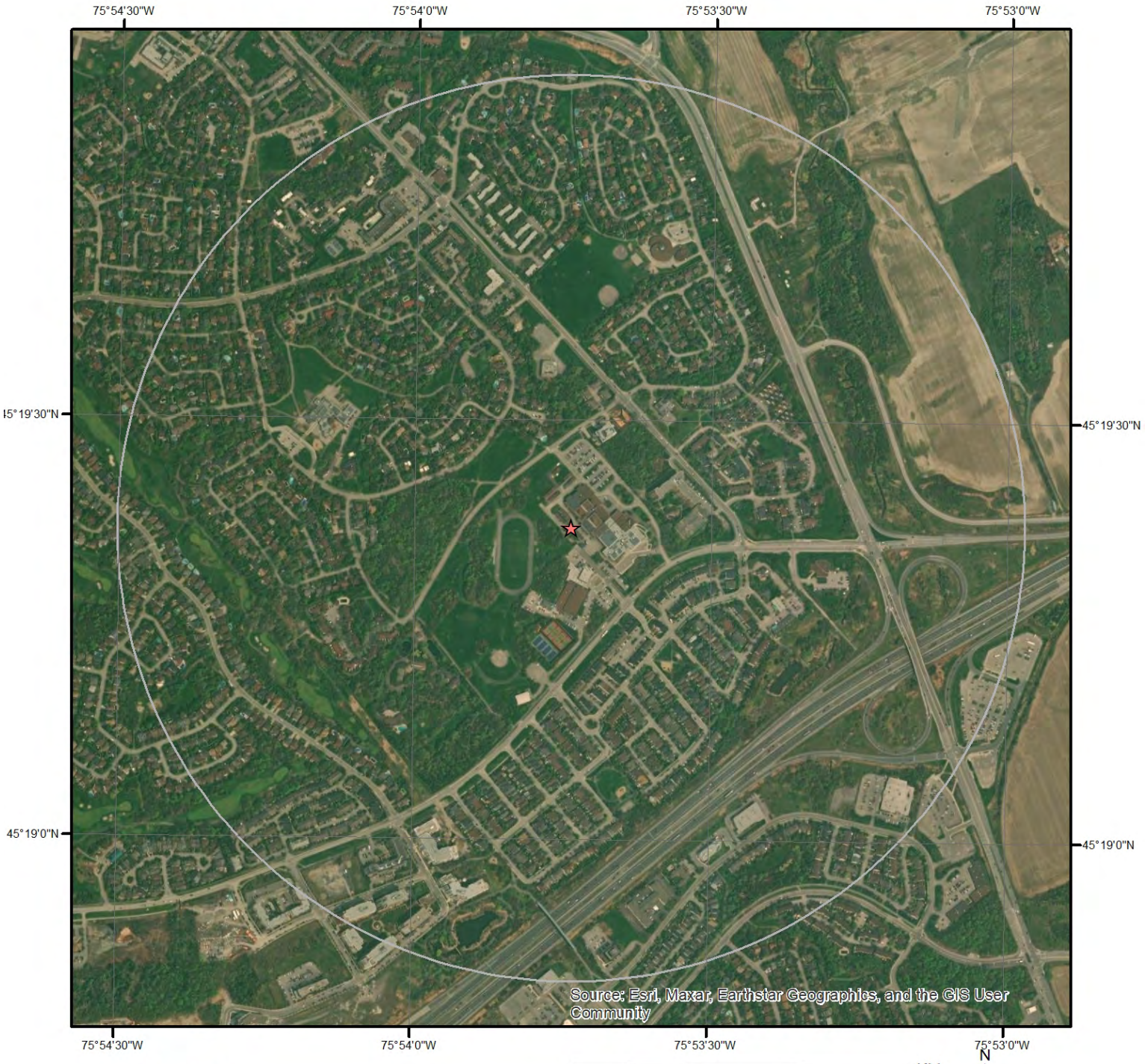
The previous topographic map(s) show general topographic information in the surrounding area of the project property, using Toporama data or a provincial source when available. Below are shaded relief map(s), derived from Digital Elevation data to depict terrain in further detail.

Topographic information at project property:

Elevation:	95.88 m
Slope Direction:	N/A



Hydrologic Information

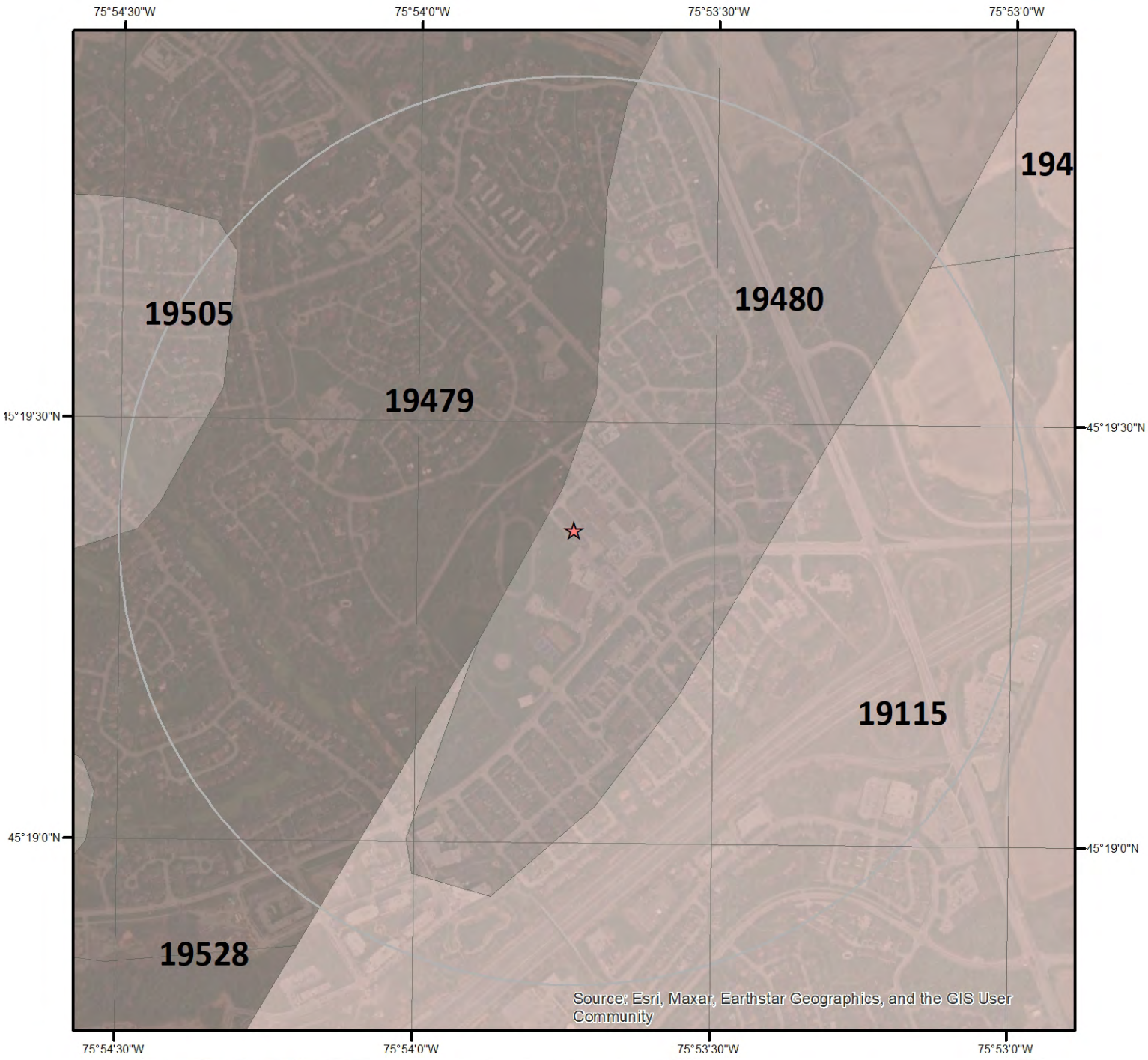


Wetland

This map shows wetland existence. Data coverage is shown to the right.
Gray indicates no data available in the area.

ERIS

Geologic Information

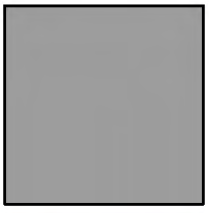


Bedrock Geology

0 0.2 0.4 KM

N

This map shows bedrock geologic units in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.



ERIS

Geologic Information

Detailed bedrock geology information about each unit within the search radius is provided below.

Unit ID 19115

Unit Name:	
Rock Type:	Dolostone, sandstone
Strata:	Beekmantown Group
Super Eon:	
Eon:	PHANEROZOIC (Present to 542.0 Ma)
Era:	PALEOZOIC (251.0 Ma to 542.0 Ma)
Period:	ORDOVICIAN (443.7 Ma to 488.3 Ma)
Epoch:	LOWER ORDOVICIAN
Province:	
Tectonic Zone:	

Unit ID 19459

Unit Name:	
Rock Type:	Conglomerate, sandstone, shale, dolostone
Strata:	Potsdam Group; Nepean Formation; Covey Hill Formation
Super Eon:	
Eon:	PHANEROZOIC (Present to 542.0 Ma)
Era:	PALEOZOIC (251.0 Ma to 542.0 Ma)
Period:	CAMBRIAN (488.3 Ma to 542.0 Ma)
Epoch:	
Province:	
Tectonic Zone:	

Unit ID 19479

Unit Name:	Clastic metasedimentary rocks
Rock Type:	Conglomerate, wacke, quartz arenite, arkose, limestone, siltstone, chert, minor iron formation, minor metavolcanic rocks
Strata:	Grenville Supergroup and Flinton Group (ask Mike if this covers any other units)
Super Eon:	PRECAMBRIAN (0.542 Ga to <3.85 Ga)
Eon:	PROTEROZOIC (0.542 Ga to 2.50 Ga)
Era:	NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
Period:	
Epoch:	
Province:	GRENVILLE
Tectonic Zone:	CENTRAL METASEDIMENTARY BELT

Unit ID 19480

Unit Name:	Mafic to ultramafic plutonic rocks

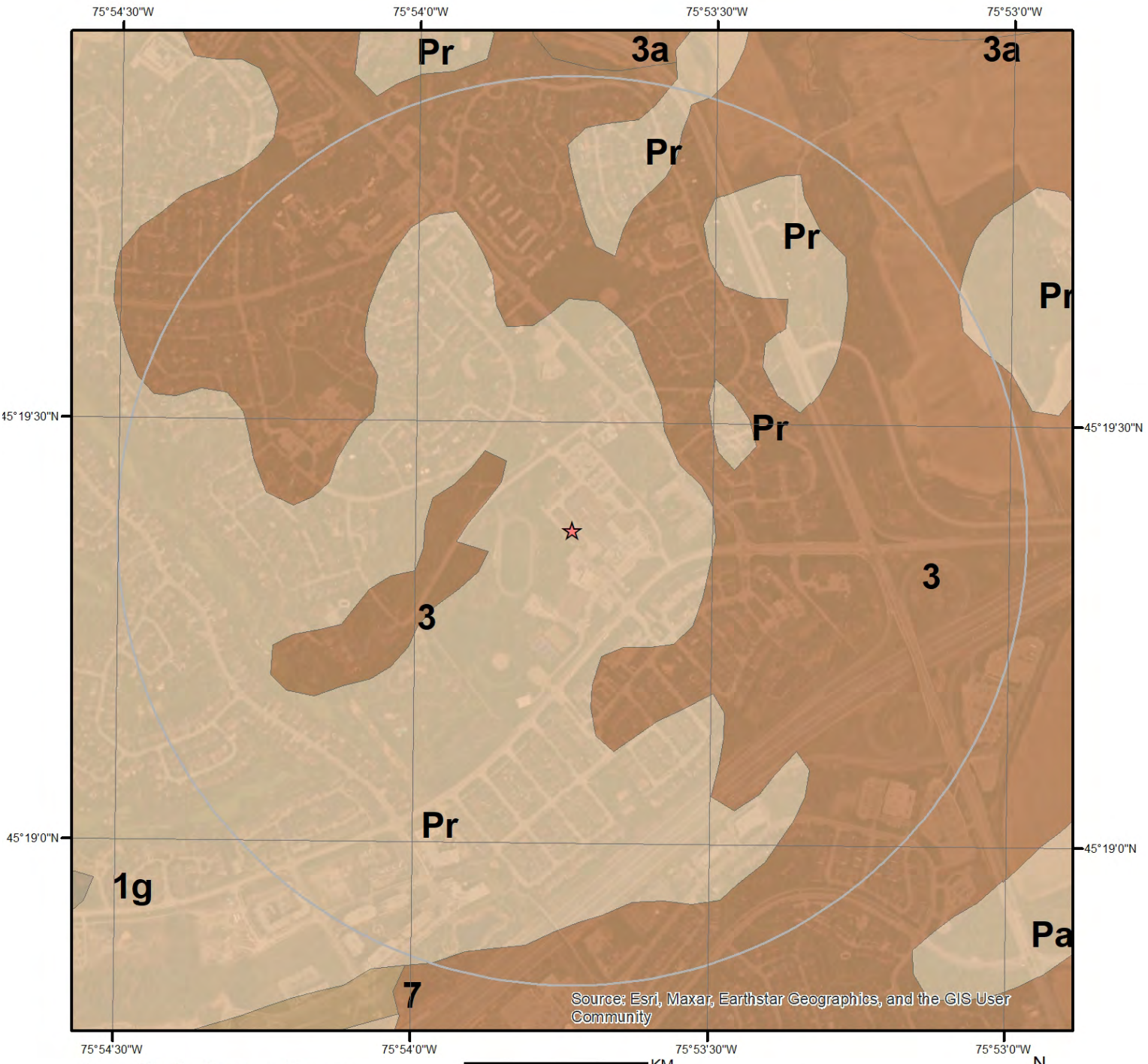
Geologic Information

Rock Type:	Diorite, gabbro, peridotite, pyroxenite, anorthosite, derived metamorphic rocks
Strata:	
Super Eon:	PRECAMBRIAN (0.542 Ga to <3.85 Ga)
Eon:	PROTEROZOIC (0.542 Ga to 2.50 Ga)
Era:	NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
Period:	
Epoch:	
Province:	GRENVILLE
Tectonic Zone:	CENTRAL METASEDIMENTARY BELT

Unit ID 19505

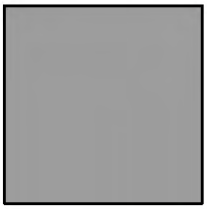
Unit Name:	Mafic to ultramafic plutonic rocks
Rock Type:	Diorite, gabbro, peridotite, pyroxenite, anorthosite, derived metamorphic rocks
Strata:	
Super Eon:	PRECAMBRIAN (0.542 Ga to <3.85 Ga)
Eon:	PROTEROZOIC (0.542 Ga to 2.50 Ga)
Era:	NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
Period:	
Epoch:	
Province:	GRENVILLE
Tectonic Zone:	CENTRAL METASEDIMENTARY BELT

Geologic Information



Surficial Geology

This map shows surficial geologic labels in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.



Geologic Information

Detailed surficial geology information about each unit within the search radius is provided below.

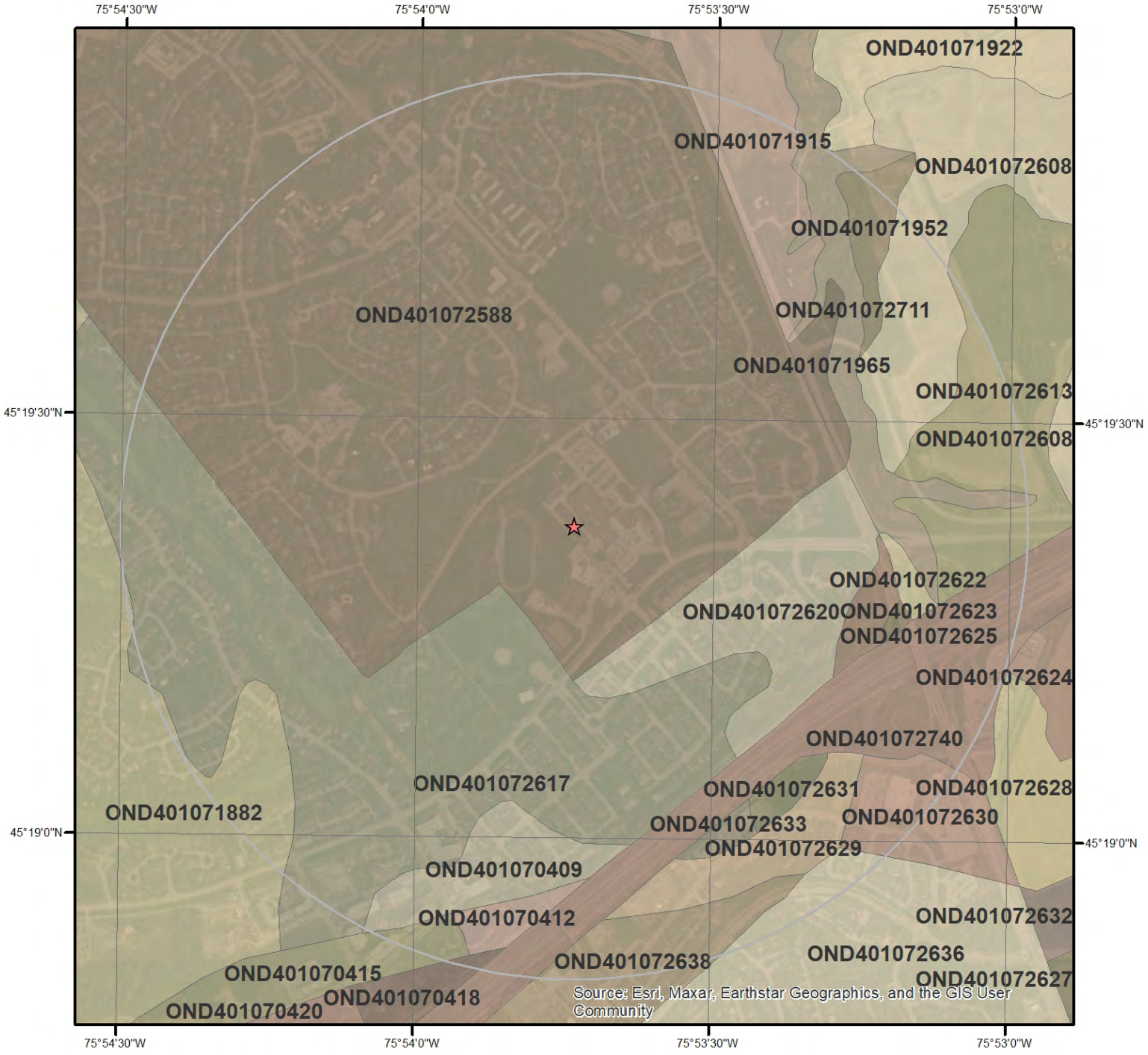
Unit ID Pr

Geological Deposit:	Bedrock
Deposit Age:	Quaternary
Primary Material:	Precambrian Bedrock
Secondary Material:	
Primary General:	
Primary General Modifier:	
Veneer:	clay, silt, sand, gravel, diamicton
Episode:	
Sub Episode:	
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	Variable
Material Description:	Intrusive and metamorphic rocks (Precambrian); mainly bare, hummocky, rolling or hilly rock knob upland; includes areas thinly veneered by unconsolidated sediments up to 2 m thick.

Unit ID 3

Geological Deposit:	Offshore marine deposits
Deposit Age:	Quaternary (Champlain Sea)
Primary Material:	clay, silt
Secondary Material:	sand
Primary General:	glaciomarine
Primary General Modifier:	foreshore/basinal
Veneer:	
Episode:	Wisconsin
Sub Episode:	Michigan
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	Low
Material Description:	Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform and blue-grey.

Soil Information



Soil Map

This map shows soil units around the target property. Please refer to the report for detailed soil descriptions.

Soil Information

Detailed soil information about each unit within the search radius is provided below.

Ontario Detailed Soil Survey (DSS3)

Polygon ID: OND401072740

Component

Component ID:	OND40107274001	**Components(%):**	100
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	Unknown or Not applicable
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Not Applicable		

Component Rating

Field Crops Capability:	
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Not Applicable
Soil Texture of A Horizon:	
Hydrological Soil Groups:	

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

Polygon ID: OND401071882

Component

Soil Information

Component ID:	OND40107188201	**Components(%):**	100
Soil Name ID:	ONAUH~~~~~N	**Slope Steepness(%):**	12
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Exceedingly stony		

Component Rating

Field Crops Capability:	No capability for agriculture.
First CLI Limitation Subclass:	Presence of consolidated bedrock within one metre of the soil surface
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.

Soil Name

Soil Name:	ANSTRUTHER
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Coarse; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	17
Horizon:	Ah	**Total Sand(%):**	78
Depth(cm):	0-9	**Total Silt(%):**	14
pH in Calc Chloride:	5.6	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	7.472	**Organic Carbon(%):**	5.8
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	13
Horizon:	Bm	**Total Sand(%):**	81
Depth(cm):	9-25	**Total Silt(%):**	16

Soil Information

pH in Calc Chloride:	6.1	**Total Clay(%):**	3
Saturated Hydraulic Conductivity(cm/h):	6.775	**Organic Carbon(%):**	1.9
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9
Depth(cm):	25-100	**Total Silt(%):**	-9
pH in Calc Chloride:	Not applicable	**Total Clay(%):**	-9
Saturated Hydraulic Conductivity(cm/h):	Not applicable	**Organic Carbon(%):**	Not applicable
Electrical Conductivity (dS/m):	Not applicable		

Polygon ID: ONDA01070418

Component

Component ID:	ONDA0107041801	**Components(%):**	70
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	silt loam
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a

Soil Information

Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

Component

Component ID:	OND40107041802	**Components(%):**	30
Soil Name ID:	ONBDOC~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	39

Soil Information

Depth(cm):	0-12	**Total Silt(%):**	34
pH in Calc Chloride:	5.7	**Total Clay(%):**	27
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	30
Depth(cm):	12-38	**Total Silt(%):**	30
pH in Calc Chloride:	6.6	**Total Clay(%):**	40
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	30
Depth(cm):	38-70	**Total Silt(%):**	30
pH in Calc Chloride:	6.9	**Total Clay(%):**	40
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401070412

Component

Component ID:	OND40107041201	**Components(%):**	100
Soil Name ID:	ONZER~~~~~N	**Slope Steepness(%):**	37.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability:	No capability for agriculture.
First CLI Limitation Subclass:	Presence of adverse Topography
Second CLI Limitation	

Soil Information

Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	

Soil Name

Soil Name:	ERODED
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Undifferentiated mineral; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	5
Horizon:	Ah	**Total Sand(%):**	15
Depth(cm):	0-100	**Total Silt(%):**	60
pH in Calc Chloride:	6.4	**Total Clay(%):**	25
Saturated Hydraulic Conductivity(cm/h):	0.589	**Organic Carbon(%):**	3.9
Electrical Conductivity (dS/m):	0		

Polygon ID: ONDA01070409

Component

Component ID:	OND40107040901	**Components(%):**	70
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops

Soil Information

First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	silt loam
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

Component

Component ID:	OND40107040902	**Components(%):**	30
Soil Name ID:	ONBDOC~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Information

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	39
Depth(cm):	0-12	**Total Silt(%):**	34
pH in Calc Chloride:	5.7	**Total Clay(%):**	27
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	30
Depth(cm):	12-38	**Total Silt(%):**	30
pH in Calc Chloride:	6.6	**Total Clay(%):**	40
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	30
Depth(cm):	38-70	**Total Silt(%):**	30
pH in Calc Chloride:	6.9	**Total Clay(%):**	40
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Soil Information

Polygon ID: OND401072608

Component

Component ID:	OND40107260801	**Components(%):**	100
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52
pH in Calc Chloride:	5.7	**Total Clay(%):**	34

Soil Information

Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		
Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		
Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	38-70	**Total Silt(%):**	47
pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		
Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: ONND401071915

Component

Component ID:	ONND40107191501	**Components(%):**	70
Soil Name ID:	ONDHU~~~~~A	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Second CLI Limitation Subclass:	Presence of adverse Topography
Drainage:	Imperfectly

Soil Information

Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	DALHOUSIE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Imperfectly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	7
Horizon:	Ap	**Total Sand(%):**	14
Depth(cm):	0-14	**Total Silt(%):**	57
pH in Calc Chloride:	7	**Total Clay(%):**	29
Saturated Hydraulic Conductivity(cm/h):	0.353	**Organic Carbon(%):**	2.2
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	8
Horizon:	Bmgj	**Total Sand(%):**	18
Depth(cm):	14-46	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	35
Saturated Hydraulic Conductivity(cm/h):	0.272	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Cgj	**Total Sand(%):**	13
Depth(cm):	46-110	**Total Silt(%):**	43
pH in Calc Chloride:	7	**Total Clay(%):**	44
Saturated Hydraulic Conductivity(cm/h):	0.201	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Soil Information

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	7
Depth(cm):	110-120	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	46
Saturated Hydraulic Conductivity(cm/h):	0.195	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107191502	**Components(%):**	30
Soil Name ID:	ONDHU~~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Second CLI Limitation Subclass:	
Drainage:	Imperfectly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	DALHOUSIE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Imperfectly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Soil Information

Layer No:	1	**Very Fine Sand(%):**	7
Horizon:	Ap	**Total Sand(%):**	14
Depth(cm):	0-14	**Total Silt(%):**	57
pH in Calc Chloride:	7	**Total Clay(%):**	29
Saturated Hydraulic Conductivity(cm/h):	0.353	**Organic Carbon(%):**	2.2
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	8
Horizon:	Bmgj	**Total Sand(%):**	18
Depth(cm):	14-46	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	35
Saturated Hydraulic Conductivity(cm/h):	0.272	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Cgj	**Total Sand(%):**	13
Depth(cm):	46-110	**Total Silt(%):**	43
pH in Calc Chloride:	7	**Total Clay(%):**	44
Saturated Hydraulic Conductivity(cm/h):	0.201	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	7
Depth(cm):	110-120	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	46
Saturated Hydraulic Conductivity(cm/h):	0.195	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401071952

Component

Component ID:	ONDH40107195201	**Components(%):**	70
Soil Name ID:	ONDHU~~~~~A	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Soil Information

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Second CLI Limitation Subclass:	Presence of adverse Topography
Drainage:	Imperfectly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	DALHOUSIE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Imperfectly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	7
Horizon:	Ap	**Total Sand(%):**	14
Depth(cm):	0-14	**Total Silt(%):**	57
pH in Calc Chloride:	7	**Total Clay(%):**	29
Saturated Hydraulic Conductivity(cm/h):	0.353	**Organic Carbon(%):**	2.2
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	8
Horizon:	Bmgj	**Total Sand(%):**	18
Depth(cm):	14-46	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	35
Saturated Hydraulic Conductivity(cm/h):	0.272	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Cgj	**Total Sand(%):**	13
Depth(cm):	46-110	**Total Silt(%):**	43

Soil Information

pH in Calc Chloride:	7	**Total Clay(%):**	44
Saturated Hydraulic Conductivity(cm/h):	0.201	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	7
Depth(cm):	110-120	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	46
Saturated Hydraulic Conductivity(cm/h):	0.195	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107195202	**Components(%):**	30
Soil Name ID:	ONDHU~~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Second CLI Limitation Subclass:	
Drainage:	Imperfectly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	DALHOUSIE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Imperfectly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable

Soil Information

Parent Material Chemical Property 1,2,3: Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	7
Horizon:	Ap	**Total Sand(%):**	14
Depth(cm):	0-14	**Total Silt(%):**	57
pH in Calc Chloride:	7	**Total Clay(%):**	29
Saturated Hydraulic Conductivity(cm/h):	0.353	**Organic Carbon(%):**	2.2
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	8
Horizon:	Bmgj	**Total Sand(%):**	18
Depth(cm):	14-46	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	35
Saturated Hydraulic Conductivity(cm/h):	0.272	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Cgj	**Total Sand(%):**	13
Depth(cm):	46-110	**Total Silt(%):**	43
pH in Calc Chloride:	7	**Total Clay(%):**	44
Saturated Hydraulic Conductivity(cm/h):	0.201	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	7
Depth(cm):	110-120	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	46
Saturated Hydraulic Conductivity(cm/h):	0.195	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401070415

Component

Component ID:	OND40107041501	**Components(%):**	100
Soil Name ID:	ONZOR~~~~~N	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Soil Information

Component Rating

Field Crops Capability:	
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Very Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	ORGANIC
Kind of Surface Material:	Organic
Soil Drainage Class:	Very poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Mesic; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Undifferentiated organic; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	-9
Horizon:	Oh	**Total Sand(%):**	-9
Depth(cm):	0-99	**Total Silt(%):**	-9
pH in Calc Chloride:	5.5	**Total Clay(%):**	-9
Saturated Hydraulic Conductivity(cm/h):	3.455	**Organic Carbon(%):**	20
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	0
Horizon:	Bg	**Total Sand(%):**	23
Depth(cm):	99-149	**Total Silt(%):**	17
pH in Calc Chloride:	5.9	**Total Clay(%):**	60
Saturated Hydraulic Conductivity(cm/h):	0.21	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Soil Information

Polygon ID: OND401072588

Component

Component ID:	OND40107258801	**Components(%):**	100
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	Unknown or Not applicable
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Not Applicable		

Component Rating

Field Crops Capability:	
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Not Applicable
Soil Texture of A Horizon:	
Hydrological Soil Groups:	

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

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Polygon ID: OND401072620

Component

Component ID:	OND40107262001	**Components(%):**	100
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9

Soil Information

Surface Stoniness Class:	Nonstony

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52
pH in Calc Chloride:	5.7	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5

Soil Information

Electrical Conductivity (dS/m):	0		
Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	38-70	**Total Silt(%):**	47
pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		
Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072617

Component

Component ID:	ONDA0107261701	**Components(%):**	70
Soil Name ID:	ONAUH~~~~~N	**Slope Steepness(%):**	7
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Exceedingly stony		

Component Rating

Field Crops Capability:	No capability for agriculture.
First CLI Limitation Subclass:	Presence of consolidated bedrock within one metre of the soil surface
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.

Soil Name

Soil Name:	ANSTRUTHER
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained

Soil Information

Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Coarse; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	17
Horizon:	Ah	**Total Sand(%):**	78
Depth(cm):	0-9	**Total Silt(%):**	14
pH in Calc Chloride:	5.6	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	7.472	**Organic Carbon(%):**	5.8
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	13
Horizon:	Bm	**Total Sand(%):**	81
Depth(cm):	9-25	**Total Silt(%):**	16
pH in Calc Chloride:	6.1	**Total Clay(%):**	3
Saturated Hydraulic Conductivity(cm/h):	6.775	**Organic Carbon(%):**	1.9
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9
Depth(cm):	25-100	**Total Silt(%):**	-9
pH in Calc Chloride:	Not applicable	**Total Clay(%):**	-9
Saturated Hydraulic Conductivity(cm/h):	Not applicable	**Organic Carbon(%):**	Not applicable
Electrical Conductivity (dS/m):	Not applicable		

Component

Component ID:	OND40107261702	**Components(%):**	30
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Soil Information

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52
pH in Calc Chloride:	5.7	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11

Soil Information

Depth(cm):	38-70	**Total Silt(%):**	47
pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		
Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072629

Component

Component ID:	OND40107262901	**Components(%):**	100
Soil Name ID:	ONZER~~~~~N	**Slope Steepness(%):**	37.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability:	No capability for agriculture.
First CLI Limitation Subclass:	Presence of adverse Topography
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	

Soil Name

Soil Name:	ERODED
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a

Soil Information

Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Undifferentiated mineral; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	5
Horizon:	Ah	**Total Sand(%):**	15
Depth(cm):	0-100	**Total Silt(%):**	60
pH in Calc Chloride:	6.4	**Total Clay(%):**	25
Saturated Hydraulic Conductivity(cm/h):	0.589	**Organic Carbon(%):**	3.9
Electrical Conductivity (dS/m):	0		

Polygon ID:	OND401072623

Component

Component ID:	OND40107262301	**Components(%):**	100
Soil Name ID:	ONZER~~~~~N	**Slope Steepness(%):**	37.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability:	No capability for agriculture.
First CLI Limitation Subclass:	Presence of adverse Topography
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	

Soil Name

Soil Name:	ERODED
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root	No root restricting layer

Soil Information

Growth:

Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Undifferentiated mineral; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	5
Horizon:	Ah	**Total Sand(%):**	15
Depth(cm):	0-100	**Total Silt(%):**	60
pH in Calc Chloride:	6.4	**Total Clay(%):**	25
Saturated Hydraulic Conductivity(cm/h):	0.589	**Organic Carbon(%):**	3.9
Electrical Conductivity (dS/m):	0		

Polygon ID:	OND401072638

Component

Component ID:	OND40107263801	**Components(%):**	70
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	silt loam
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified

Soil Information

Soil Drainage Class:	Not applicable
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

Component

Component ID:	OND40107263802	**Components(%):**	30
Soil Name ID:	ONBDOC~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Information

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	39
Depth(cm):	0-12	**Total Silt(%):**	34
pH in Calc Chloride:	5.7	**Total Clay(%):**	27
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	30
Depth(cm):	12-38	**Total Silt(%):**	30
pH in Calc Chloride:	6.6	**Total Clay(%):**	40
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	30
Depth(cm):	38-70	**Total Silt(%):**	30
pH in Calc Chloride:	6.9	**Total Clay(%):**	40
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: ONDA401072636

Component

Component ID:	OND40107263601	**Components(%):**	100
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	Unknown or Not applicable
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Not Applicable		

Soil Information

Component Rating

Field Crops Capability:	
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Not Applicable
Soil Texture of A Horizon:	
Hydrological Soil Groups:	

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

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Polygon ID: ONDA01072633

Component

Component ID:	ONDA40107263301	**Components(%):**	70
Soil Name ID:	ONAUH~~~~~N	**Slope Steepness(%):**	7
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Exceedingly stony		

Component Rating

Field Crops Capability:	No capability for agriculture.
First CLI Limitation Subclass:	Presence of consolidated bedrock within one metre of the soil surface
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil	Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately

Soil Information

Groups: fine to moderately coarse textures.

Soil Name

Soil Name:	ANSTRUTHER
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Coarse; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	17
Horizon:	Ah	**Total Sand(%):**	78
Depth(cm):	0-9	**Total Silt(%):**	14
pH in Calc Chloride:	5.6	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	7.472	**Organic Carbon(%):**	5.8
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	13
Horizon:	Bm	**Total Sand(%):**	81
Depth(cm):	9-25	**Total Silt(%):**	16
pH in Calc Chloride:	6.1	**Total Clay(%):**	3
Saturated Hydraulic Conductivity(cm/h):	6.775	**Organic Carbon(%):**	1.9
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9
Depth(cm):	25-100	**Total Silt(%):**	-9
pH in Calc Chloride:	Not applicable	**Total Clay(%):**	-9
Saturated Hydraulic Conductivity(cm/h):	Not applicable	**Organic Carbon(%):**	Not applicable
Electrical Conductivity (dS/m):	Not applicable		

Component

Soil Information

Component ID:	OND40107263302	**Components(%):**	30
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52
pH in Calc Chloride:	5.7	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		
Layer No:	2	**Very Fine Sand(%):**	7

Soil Information

Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	38-70	**Total Silt(%):**	47
pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072631

Component

Component ID:	OND40107263101	**Components(%):**	100
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Information

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52
pH in Calc Chloride:	5.7	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	38-70	**Total Silt(%):**	47
pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2

Soil Information

Electrical Conductivity (dS/m):	0

Polygon ID: OND401072630

Component

Component ID:	OND40107263001	**Components(%):**	100
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52

Soil Information

pH in Calc Chloride:	5.7	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	38-70	**Total Silt(%):**	47
pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072613

Component

Component ID:	OND40107261301	**Components(%):**	70
Soil Name ID:	ONBIV~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	

Soil Information

Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.

Soil Name

Soil Name:	BAINSVILLE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Growing season
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	31
Horizon:	Ap	**Total Sand(%):**	53
Depth(cm):	0-17	**Total Silt(%):**	34
pH in Calc Chloride:	6.8	**Total Clay(%):**	13
Saturated Hydraulic Conductivity(cm/h):	2.052	**Organic Carbon(%):**	3.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	18
Horizon:	Bg	**Total Sand(%):**	30
Depth(cm):	17-33	**Total Silt(%):**	39
pH in Calc Chloride:	7.1	**Total Clay(%):**	31
Saturated Hydraulic Conductivity(cm/h):	0.273	**Organic Carbon(%):**	0.4
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	40
Horizon:	Bg	**Total Sand(%):**	52
Depth(cm):	33-62	**Total Silt(%):**	28
pH in Calc Chloride:	7.1	**Total Clay(%):**	20
Saturated Hydraulic Conductivity(cm/h):	0.683	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Soil Information

Layer No:	4	**Very Fine Sand(%):**	45
Horizon:	Ckg	**Total Sand(%):**	62
Depth(cm):	62-84	**Total Silt(%):**	26
pH in Calc Chloride:	7.4	**Total Clay(%):**	12
Saturated Hydraulic Conductivity(cm/h):	1.597	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Layer No:	5	**Very Fine Sand(%):**	0
Horizon:	Ckg	**Total Sand(%):**	4
Depth(cm):	84-100	**Total Silt(%):**	54
pH in Calc Chloride:	7.6	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.194	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107261302	**Components(%):**	30
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting	n/a

Soil Information

Layer:	
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

Polygon ID: ONDA01072625

Component

Component ID:	ONDA0107262501	**Components(%):**	100
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Soil Information

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52
pH in Calc Chloride:	5.7	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	38-70	**Total Silt(%):**	47
pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072622

Component

Component ID:	ONDD40107262201	**Components(%):**	70
Soil Name ID:	ONBDO~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Soil Information

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	BRANDON
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Apg	**Total Sand(%):**	14
Depth(cm):	0-12	**Total Silt(%):**	52
pH in Calc Chloride:	5.7	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.223	**Organic Carbon(%):**	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	12-38	**Total Silt(%):**	46
pH in Calc Chloride:	6.6	**Total Clay(%):**	43
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Bg	**Total Sand(%):**	11
Depth(cm):	38-70	**Total Silt(%):**	47

Soil Information

pH in Calc Chloride:	6.9	**Total Clay(%):**	42
Saturated Hydraulic Conductivity(cm/h):	0.211	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	8
Depth(cm):	70-105	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	47
Saturated Hydraulic Conductivity(cm/h):	0.197	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107262202	**Components(%):**	30
Soil Name ID:	ONMOK~~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	Low inherent soil Fertility
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.

Soil Name

Soil Name:	MANOTICK
Kind of Surface Material:	Mineral
Soil Drainage Class:	Moderately well drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Coarse; Fine; Not Applicable
Mode of Deposition 1,2,3:	Fluvial; Marine; Not Applicable
Parent Material Chemical	Medium Acid to Neutral; Weakly Calcareous; Not Applicable

Soil Information

Property 1,2,3:

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	16
Horizon:	Ap	**Total Sand(%):**	79
Depth(cm):	0-26	**Total Silt(%):**	15
pH in Calc Chloride:	6.8	**Total Clay(%):**	6
Saturated Hydraulic Conductivity(cm/h):	5.871	**Organic Carbon(%):**	2.2
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	21
Horizon:	Bm	**Total Sand(%):**	80
Depth(cm):	26-42	**Total Silt(%):**	14
pH in Calc Chloride:	7.2	**Total Clay(%):**	6
Saturated Hydraulic Conductivity(cm/h):	4.747	**Organic Carbon(%):**	1
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	23
Horizon:	C	**Total Sand(%):**	81
Depth(cm):	42-66	**Total Silt(%):**	15
pH in Calc Chloride:	7.3	**Total Clay(%):**	4
Saturated Hydraulic Conductivity(cm/h):	5.129	**Organic Carbon(%):**	0.3
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	12
Horizon:	C	**Total Sand(%):**	19
Depth(cm):	66-98	**Total Silt(%):**	29
pH in Calc Chloride:	7.1	**Total Clay(%):**	52
Saturated Hydraulic Conductivity(cm/h):	0.203	**Organic Carbon(%):**	0.3
Electrical Conductivity (dS/m):	0		

Layer No:	5	**Very Fine Sand(%):**	0
Horizon:	C	**Total Sand(%):**	3
Depth(cm):	98-109	**Total Silt(%):**	12
pH in Calc Chloride:	7.2	**Total Clay(%):**	85
Saturated Hydraulic Conductivity(cm/h):	0.193	**Organic Carbon(%):**	0
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072711

Soil Information

Component

Component ID:	OND40107271101	**Components(%):**	100
Soil Name ID:	ONZER~~~~~N	**Slope Steepness(%):**	37.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability:	No capability for agriculture.
First CLI Limitation Subclass:	Presence of adverse Topography
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	

Soil Name

Soil Name:	ERODED
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Undifferentiated mineral; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	5
Horizon:	Ah	**Total Sand(%):**	15
Depth(cm):	0-100	**Total Silt(%):**	60
pH in Calc Chloride:	6.4	**Total Clay(%):**	25
Saturated Hydraulic Conductivity(cm/h):	0.589	**Organic Carbon(%):**	3.9
Electrical Conductivity (dS/m):	0		

Soil Information

Polygon ID: OND401071965

Component

Component ID:	OND40107196501	**Components(%):**	70
Soil Name ID:	ONDHU~~~~~A	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Second CLI Limitation Subclass:	Presence of adverse Topography
Drainage:	Imperfectly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name:	DALHOUSIE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Imperfectly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	7
Horizon:	Ap	**Total Sand(%):**	14
Depth(cm):	0-14	**Total Silt(%):**	57
pH in Calc Chloride:	7	**Total Clay(%):**	29
Saturated Hydraulic Conductivity(cm/h):	0.353	**Organic Carbon(%):**	2.2

Soil Information

Electrical Conductivity (dS/m):	0

Layer No:	2	**Very Fine Sand(%):**	8
Horizon:	Bmgj	**Total Sand(%):**	18
Depth(cm):	14-46	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	35
Saturated Hydraulic Conductivity(cm/h):	0.272	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Cgj	**Total Sand(%):**	13
Depth(cm):	46-110	**Total Silt(%):**	43
pH in Calc Chloride:	7	**Total Clay(%):**	44
Saturated Hydraulic Conductivity(cm/h):	0.201	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	7
Depth(cm):	110-120	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	46
Saturated Hydraulic Conductivity(cm/h):	0.195	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107196502	**Components(%):**	30
Soil Name ID:	ONDHU~~~~~A	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	Adverse soil structure (i.e. Depth of rooting zone is restricted)
Second CLI Limitation Subclass:	
Drainage:	Imperfectly
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Information

Soil Name

Soil Name:	DALHOUSIE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Imperfectly drained
Water Table Charateristics:	Unspecified period
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	7
Horizon:	Ap	**Total Sand(%):**	14
Depth(cm):	0-14	**Total Silt(%):**	57
pH in Calc Chloride:	7	**Total Clay(%):**	29
Saturated Hydraulic Conductivity(cm/h):	0.353	**Organic Carbon(%):**	2.2
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	8
Horizon:	Bmgj	**Total Sand(%):**	18
Depth(cm):	14-46	**Total Silt(%):**	47
pH in Calc Chloride:	7	**Total Clay(%):**	35
Saturated Hydraulic Conductivity(cm/h):	0.272	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	7
Horizon:	Cgj	**Total Sand(%):**	13
Depth(cm):	46-110	**Total Silt(%):**	43
pH in Calc Chloride:	7	**Total Clay(%):**	44
Saturated Hydraulic Conductivity(cm/h):	0.201	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	0
Horizon:	Cg	**Total Sand(%):**	7
Depth(cm):	110-120	**Total Silt(%):**	47

Soil Information

pH in Calc Chloride:	7	**Total Clay(%):**	46
Saturated Hydraulic Conductivity(cm/h):	0.195	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Wells and Additional Sources

Wells & Additional Sources

0 0.05 0.1 0.2 KM

N

- Project Property
- Buffer
- Buffer
- Buffer
- Buffer
- Buffer
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- World Imagery

ERIS

Wells and Additional Sources Summary

Federal Sources

National Energy Board Wells

Map Key	ID	Distance (m)	Direction
	No records found		

Provincial Sources

Ontario Oil and Gas Wells

Map Key	ID	Distance (m)	Direction
	No records found		

Provincial Groundwater Monitoring Network

Map Key	ID	Distance (m)	Direction
	No records found		

Water Well Information System

Map Key	Well ID	Distance (m)	Direction
1	7404498	44.55	SE
2	7216641	46.67	SE
3	1503335	241.19	NE

Private Sources

Oil and Gas Wells

Map Key	ID	Distance (m)	Direction
	No records found		

Wells and Additional Sources Detail Report

Water Well Information System

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
1	SE	0.04	44.55	95.88	WWIS

Well ID:	7404498	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	Yes
Use 2nd:		Data Src:	
Final Well Status:		Date Received:	12/03/2021
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	C41277	Contractor:	6964
Tag:	A331357	Form Version:	8
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	MARCH TOWNSHIP		
Site Info:			

Bore Hole ID:	1008866917	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	429842.00
Code OB Desc:		North83:	5019174.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	11/16/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Wells and Additional Sources Detail Report

Bore Hole ID:	1008866917	Tag No:	A331357
Depth M:		Contractor:	6964
Year Completed:	2021	Latitude:	45.3225646372903
Well Completed Dt:	11/16/2021	Longitude:	-75.895194614319
Audit No:	C41277	Y:	45.32256463021506
Path:		X:	-75.89519445294742

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
2	SE	0.05	46.67	95.88	WWIS

Well ID:	7216641	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	Yes
Use 2nd:		Data Src:	
Final Well Status:		Date Received:	02/20/2014
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	C21867	Contractor:	6964
Tag:	A137260	Form Version:	8
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	MARCH TOWNSHIP		
Site Info:			

PDF URL (Map):

Well Completed Date:	07/25/2013
Year Completed:	2013
Depth (m):	
Latitude:	45.3225558369734
Longitude:	-75.8951689563113
Path:	

Bore Hole ID:	1004713338	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18

Wells and Additional Sources Detail Report

Code OB:		East83:	429844.00
Code OB Desc:		North83:	5019173.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	07/25/2013	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Bore Hole ID:	1004713338	Tag No:	A137260
Depth M:		Contractor:	6964
Year Completed:	2013	Latitude:	45.3225558369734
Well Completed Dt:	07/25/2013	Longitude:	-75.8951689563113
Audit No:	C21867	Y:	45.32255583050453
Path:		X:	-75.89516879437721

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
3	NE	0.24	241.19	94.88	WWIS

Well ID:	1503335	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Commerical	Data Entry Status:	
Use 2nd:	0	Data Src:	1
Final Well Status:	Water Supply	Date Received:	12/14/1966
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:		Contractor:	1802
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	003
Depth to Bedrock:		Concession:	03
Well Depth:		Concession Name:	CON
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	MARCH TOWNSHIP		
Site Info:			

Wells and Additional Sources Detail Report

PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503335.pdf

Well Completed Date:	10/03/1966
Year Completed:	1966
Depth (m):	30.48
Latitude:	45.3244500509989
Longitude:	-75.8935195577143
Path:	150\1503335.pdf

Bore Hole ID:	10025378	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	429975.60
Code OB Desc:		North83:	5019382.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	10/03/1966	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Formation ID:	930996605
Layer:	2
Color:	7
General Color:	RED
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Formation ID:	930996604

Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Method Construction ID:	961503335
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe ID:	10573948
Casing No:	1
Comment:	
Alt Name:	

Casing ID:	930043509
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Casing ID:	930043508
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Pumping Test Method Desc:	PUMP
Pump Test ID:	991503335
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	24.0
Recommended Pump Depth:	24.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water ID:	933456229
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

Bore Hole ID:	10025378	Tag No:	
Depth M:	30.48	Contractor:	1802
Year Completed:	1966	Latitude:	45.3244500509989
Well Completed Dt:	10/03/1966	Longitude:	-75.8935195577143
Audit No:		Y:	45.3244500443802
Path:	150\1503335.pdf	X:	-75.8935193962719

Radon Information

Detailed radon information for the project property is provided below.

Radon Zone Information

ID:	144850	**Radon Rank:**	HIGH

Health Canada Radon Information

Health Region:	3551
Health Region Name:	City of Ottawa Health Unit
Province or Territory:	ON
Number Homes in Survey:	64
% Below 200 Bq/m3:	93.8
% Above 200 Bq/m3:	6.2
200 to 600 Bq/m3:	6.2
% Above 600 Bq/m3:	0

Area of Natural and Scientific Interest Information

There is no ANSI unit available in this area.

Area of Natural and Scientific Interest Information

Detailed ANSI information is provided below.

No records found for the project property or surrounding properties.

Appendix

Federal Sources

Bedrock Geology of Canada — **BEDROCK GEOLOGY**

The Geological Map of Canada is scaled at 1:5,000,000. This map is created by Geological Survey of Canada and published by Natural Resources Canada.

Health Canada Radon Information — **RADON**

This source is the results from the Cross-Canada Survey of Radon Concentrations in Homes, a two-year study conducted by Health Canada's National Radon Program. The aims of this study were to obtain an estimate of the proportion of the Canadian population living in homes with radon gas levels above the guideline of 200 Bq/m3, to identify previously unknown areas where radon gas exposure may constitute a health risk, and to build, over time, a map of indoor radon gas exposure levels across Canada.

National Energy Board Wells — **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.

Soil Landscapes of Canada (SLC) — **SLC**

Major characteristics of soil and land such as surface form, slope, water table depth, permafrost and lakes.

Surficial Geology of Canada — **SURFICIAL GEOLOGY**

This map contains information on surficial materials and associated landforms left by the retreat of the last glaciers and non glacial environments. It is based on compilation of existing maps. This data was authored by the Geological Survey of Canada and published by Natural Resources Canada.

Toporama — **TOPORAMA**

Toporama covers the entire area of Canada's landmass and provides topographic, geo-referenced, and symbolic information in a raster format at 1:50,000 scale. This is a digital topographic reference product made available by Natural Resources Canada (NRCan).

Provincial Sources

Area of Natural and Scientific Interest — **ANSI**

Areas of Natural and Scientific Interest (ANSIs) are lands and waters with features that are important for natural heritage protection, appreciation, scientific study or education. This dataset is made available by Ontario Ministry of Natural Resources.

Bedrock Geology of Ontario — **BEDROCK GEOLOGY**

The Bedrock Geology layer shows the distribution of bedrock units underlying Ontario at a 1:250,000 scale. The geology of the province consists of Precambrian rocks of the Canadian Shield and Phanerozoic sedimentary rocks that overlie the Canadian Shield. This layer was compiled by the Precambrian Geoscience Section of Ontario Geological Survey.

Ontario Detailed Soil Survey (DSS3) — **SOIL SURVEY**

Soil surveys have been published for most of the agricultural areas, and many surrounding areas, across Canada. Data from these surveys comprise the most detailed soil inventory information in the National Soil DataBase. Data is made available by Agriculture and Agri-Food Canada

Ontario Oil and Gas Wells — **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.

Provincial Groundwater Monitoring Network — **GROUNDWATER**

Appendix

Groundwater level and chemistry data from monitoring wells that are part of the Provincial Groundwater Monitoring Network (PGMN) Program. Precipitation data (rain) is also available for some sites. This data is provided by Ontario Ministry of Environment and Climate Change.

Surficial Geology of Ontario **SURFICIAL GEOLOGY**

The Surficial Geology dataset contains a layer depicting the distribution and characteristics of surficial deposits across southern Ontario. This data set is authored by the Ontario Geological Survey.

Topographic Map of Ontario **TOPOGRAPHIC MAP**

The Ontario Basic Mapping program provides a relationship between topographic information and the provincial geographical referencing grid, thereby forming the foundation for a comprehensive provincial geographical referencing system. This data is made available by the Ontario Ministry of Natural Resources and Forestry. This is ERIS self-designed topographic map template at 1:10,000.

Water Well Information System **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.

Wetlands of Ontario **WETLAND**

The Ministry of Natural Resources and Forestry has made available a database of wetlands in Ontario. Certain attributes identify wetlands that have been evaluated with the Ontario Wetland Evaluation System (OWES), and of those which ones have been designated as Provincially Significant Wetlands (PSW).

Private Sources

Oil and Gas Wells **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.

Radon Zone Information **RADON**

The Radon Potential Map is developed by Radon Environmental Management Corporation. Its objective was to illustrate the relative variation of radon risk across the country, and in 2011 it published its first geologic Radon Potential Map of Canada.

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