Ottawa-Carleton District School Board

Phase One Environmental Site Assessment
150 Abbeyhill Drive
Kanata, Ontario

ER1086

July 16th, 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 150 Abbeyhill Drive 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 residential properties and Abbeyhill Drive to the north, residential properties and Paddock Way to the east, residential properties and open space (Hope Cloutier Park) to the south, and residential properties to the west. One main building was on-site and has been used as a secondary school since opening in 1976. Multiple portable classroom units were present on the south-west and west sides of the building. The subject property is approximately 8.09 hectares and was mainly grass and asphalt covered. Trees were present primarily at the property boundaries and surrounding the building. One vehicle access point was present from the west from Abbeyhill Drive.

The subject property was developed in the mid 1970s as a school. Prior to first development the subject property was natural or agricultural land. The current surrounding land use is primarily residential. Historic surrounding land use was natural or agricultural land.

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

The on-site PCAs identified were related to a former public fuel system and the use of transformers. The four off-site PCAs were related to a polychlorinated biphenyl (PCB) transformer oil spill, a former laundry facility (with use of halogenated solvents), a former fuel tank, and a styrene spill.

The on-site former public fuel system and the four off-site PCAs resulted in areas of potential environmental concern (APEC). Contaminated media includes soil and groundwater and contaminants of concern include VOCs, BTEX, PHCs (F1-F4 fractions), and PCBs.

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	North side of subject building	PCA 2 – Former public fuel transmission system	PHCs (F1-F4), BTEX, PAHs
2	West corner of subject property	PCA 3 – 25 L PCB transformer oil spill	PHCs (F1-F4), PCBs
3	South corner of parking lot	PCA 4 – Former gasoline/diesel tank	PHCs (F1-F4), BTEX, PAHs
4	South parking lot boundary	PCA 5 – Former laundry facility with use of halogenated solvents	VOCs
5	North-east side of subject building	PCA 6 – Unknown quantity Styrene spill	VOCs

BTEX Benzene, toluene, ethylbenzene, xylenes
PHCs (F1-F4) Petroleum hydrocarbons F1 to F4 fractions
VOCs Volatile organic compounds
PCBs Polychlorinated biphenyls
PAHs Polycyclic Aromatic Hydrocarbons

A Phase Two ESA is required to assess contaminants of concern (COC) at the APECs.

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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 150 Abbeyhill Drive in Kanata, Ontario. The Phase One ESA was completed in support of a Site Plan Control application with the City of Ottawa 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-east side of Abbeyhill Drive in Kanata, Ontario. The legal description is PT Lot 32, Con 11 Golbourn as in CT212287 & Pts 1-4, 5R1601 and the property identification number is 04485-0210 (LT). The site is zoned 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 Ms. Jean Voth, P.Eng. on behalf of the OCDSB to conduct the Phase One ESA. The contact information for Ms. Voth is provided below:

Ms. Jean Voth, P.Eng.
Project Officer Architectural & Engineering, Design & Construction Ottawa Carleton District School Board
1224 Stittsville Main Street
Stittsville, ON K2S 0E2
Tel: 613-596-8211 ext.8748
Jean.voth@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 Ms. Voth on behalf of the OCDSB in support of a Site Plan Control application with the City of Ottawa for a proposed addition on the south side of the subject building.

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 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 aerial photographs, and the historical records search, the subject property was developed in the mid 1970s to include a secondary school. Prior to development the site appeared to be agricultural land. Surrounding properties were of similar historic land use. The surrounding areas included residential developments prior to the development of the subject property.

4.1.3 Fire Insurance Plans

A fire insurance plan (FIP) search was requested from ERIS. The search did not return any records. 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 (1824) 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 1960 and 2021 and show the operation of a public school and cafeteria. 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

Environmental reports were not available for review.

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). No records were identified from the TSSA record search. Records were identified in the MECP search but have not been returned to CM3 prior to this report being issued; if additional records are made available and represent an APEC on the subject property, an addendum will be issued by CM3. The HLUI records are summarized below:

The HLUI search identified records related to a retail trade facility, “Computer Concepts”, and a laundry and cleaning facility, “Maxi Brite Dry Cleaners”. The HLUI search also identified a former public fuel transmission system (Phase II of the Glen Cairn system). An as-built drawing of the pipeline from 1975 was provided by Ottawa’s Environmental Remediation Unit. The drawing shows that the pipeline crossed the subject property along the northeast boundary.

The former dry-cleaning facility and the former public fuel transmission system represent environmental concerns 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 F**. The search provided 12 records for the subject property and 11 records within the Phase One study area as of May 15, 2024. The records are provided in the ERIS Report (**Appendix F**) and summarized as follows:

Subject Property

- Twelve Ontario Regulation 347 Waste Generators Summary records;

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

- One Certificate of Approval;
- One Delisted Fuel Tank record;
- One Ontario Regulation 347 Waste Generators Summary record;
- Three Pipeline Incidents;
- Four Ontario Spills records; and
- One Water Well Information System record.

Based on the evaluation of the records, four PCAs were identified and are summarized as follows:

- 113 Sherwood Street – Unknown quantity styrene spill;
- 70 Stokes Crescent – Delisted gas/diesel highway fuel tank;
- 100 Castlefrank Road – Former Maxi Brite Cleaners (generation of halogenated solvents); and
- 140 Oakburn Avenue – 25 L polychlorinated biphenyl (PCB) transformer oil spill.

A total of six 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:

- One Certificate of Approval;
- One Pipeline Incident; 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 1932, 1945, 1953, 1965, 1973, 1983, 1993, 2001, 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	1932-1973	Agricultural land.
	1983	One building is on-site with the same footprint as the 2023 aerial photo. There is a vehicle access point from the west from Abbeyhill Drive, a parking lot on the south-west side of the building, and a running track in the south-west portion of the subject property.
	1993-2001	Similar to the 1983 photo. Outbuildings (potentially portable classroom units) are present on the south side of the building.

Table 1: Aerial Photographs		
Property	**Date(s)**	**Observations**
	2023	Similar to the 1993 photo. Additional portable classroom units are present on the south and east sides of the building.
North	1932-1953	Agricultural lands. Current Hazeldean Road and sporadic buildings (likely farmhouses) were present beyond.
	1965	Additional residential buildings were present.
	1973	Additional residential buildings were present. A portion of current Abbeyhill Road appears to be present.
	1983	Current Abbeyhill Drive and additional residential buildings were present.
	1993-2023	Additional residential buildings were present.
East	1932-1965	Agricultural land with current Eagleson Road beyond.
	1973	Residential properties were present.
	1983-2023	Additional residential properties were present.
South	1932-1965	A tree lined water course and agricultural lands were present. Current Old Colony Road was present.
	1973	Residential buildings were present beyond the watercourse.
	1983-2023	Additional residential buildings were present.
West	1932-1973	Agricultural lands with sporadic buildings (likely farmhouses) were present.
	1983-2023	One commercial building, two institutional buildings, and residential buildings are present.

No 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 106.88 meters above sea level (m asl) and has a gentle slope to the south. The area surrounding the subject property slopes downward from north to south from 114 m asl to 97 m asl and from east to west from 108 m asl to 103 m asl.

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 on the asphalt covered areas.

Surface soils within the Phase One study area were described as offshore marine deposits of clay, silt, and sand with low permeability. Bedrock geology within the Phase One study area was described as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group, Simcoe Group, and the Shadow Lake Formation.

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 fill piles were observed on site.

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

The Carp River is approximately 50 m beyond the south property boundary. The river discharges into the Ottawa River at Fitzroy Harbour, approximately 33 km north-west of the subject property. The river's headwaters originate in a provincially significant wetland (the Stony Swamp wetland complex) on the east side of Eagleson Road, approximately 650 m east of the subject property.

Two areas of natural and scientific interest (ANSI) were identified to the north and north-east of the subject property. The ANSI were Eagleson's corners (ANSI #251213662) and Stony Swamp (ANSI #251213660).

The regional ground water flow direction was inferred to be northeast towards the Ottawa River. The site ground water flow direction could not be determined based on the findings of this assessment.

Maps showing waterbodies, wetlands, ANSI are provided in the ERIS PSR, **Appendix H**.

4.3.5 Well Records

One well record was identified in the Phase One study area in the WWIS. The well records did not provide enough data to extrapolate 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 interim chief custodian of A.Y. Jackson Secondary School, Mr. Soeun Sem. Mr. Sem has worked at the site for over 15 years. Information regarding site activities, heating systems, and chemical storage areas was provided by Mr. Sem. 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 May 30, 2024, from approximately 7 AM to 9 AM. Weather conditions during the site investigation were sunny and 12°C. The investigation was conducted by Mr. Ethan Risk, B.Eng. of CM3 Environmental. All indoor and outdoor areas were fully accessible. Adjacent properties were observed from the subject property or public land. Site photographs are provided in **Appendix A**.

Site Description

The subject property is irregular in shape and is bound by residential properties and Abbeyhill Drive to the north, residential properties and Paddock Way to the east, residential properties and open space (Hope Cloutier Park) to the south, and residential properties to the west. One main building was on-site and has been used as a public school since opening in 1976. Multiple portable classroom units were present on the south-west and west sides of the building. The subject property is approximately 8.09 hectares and was mainly grass and asphalt covered. Trees were present primarily at the property boundaries and surrounding the building. One vehicle access point was present from the west from Abbeyhill 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 land use. The surrounding properties are summarized in the following table:

Table 2: Adjacent Property Use

Direction	Description
North adjacent	Residential
North beyond	Abbeyhill Drive, residential
East adjacent	Residential
East beyond	Post Road, residential
South adjacent	Residential, parkland (Frank MacDonald Park)
South beyond	Institutional
West adjacent	Residential
West beyond	Commercial, Castlefrank Road

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 12 portable classroom units on the east side of the subject building and four portable classroom units on the north side of the subject building.

Below Ground Structures

Below ground structures were not identified on-site.

Storage Tanks

Three natural gas fired boilers, two natural gas fired hot water tanks, three expansion tanks, and one compressed air tank were present within the second-floor boiler room. Fuel storage tanks were not identified on-site.

Water Supply

Municipal water was supplied to the site from Paddock Way.

Underground Utilities

Water and natural gas were presumed to enter the site underground from the east from paddock way. Additional underground utilities may be present but were not identified.

Features of On-Site Structures and Buildings

The subject building is a two-storey west facing brick, concrete, and concrete block structure with no basement and a poured concrete foundation. The footprint of the building was approximately 5,844 m^2. The building was constructed circa 1976. The roof is a flat asphalt roof with solar panels and a cooling tower on the lower level (room 241a). Interior finishes included (but were not limited to) concrete block walls, drywall, vinyl floor tiles, and carpet. Multiple man-doors were located on all sides of the building. One overhead door was present on the south side of the building. Five floor drains were identified in the second-floor boiler room (room 241 and 241b), one floor drain was identified in each of the two second floor fan rooms (room 222 and room 238), one floor drain and one slop sink were identified in the ground floor custodial room (room 142), and one floor drain was identified in the ground floor mechanical room (room 140f). Additional floor drains are presumed to be present within washrooms throughout the building. The floor drains identified are presumed to discharge to the municipal wastewater system. The building was heated by three forced-air natural gas fired boilers and ceiling mounted natural gas fired heaters. A refrigeration unit was present in the boiler room; the refrigerant used was R134a. Evidence of former heating systems was not present. Ground mounted transformers were present in the boiler room, fan rooms, and electrical room 140e.

Eighteen portable classroom units were on-site at the time of the site investigation. The portable classroom units were not accessed. Based on CM3's experience, the interior finishes of portable

units typically consist of vinyl floor tiles, acoustic ceiling tiles, and gypsum board. The portable units are typically heated with electrical baseboard units, have a pitched asphalt shingle roof system, and are constructed of wood on concrete or gravel pads. The exterior cladding consisted of sheet metal. Electricity was provided to the portable units underground from the main building. Water was not supplied to the portable units.

A concrete shed was located on the exterior south side of the main building and was used for the storage of equipment and minor fuel storage in jerry cans.

Wells

Monitoring wells were not identified on-site.

Sewage Works and Wastewater

Wastewater is discharged to the municipal sewer system.

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 a fan room and the custodial 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. Ground mounted transformers were in use in mechanical rooms within the building and on the exterior east corner of the building.

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, laboratory use, and water treatment were observed on-site in minor quantities.

Existing Groundwater Issues

Existing groundwater issues were not identified at the site.

Air Emissions

Chimneys were identified on the roof above the boiler room and outside of the generator room. Emissions from these chimneys would include the typical constituents of natural gas combustion exhaust (nitrous oxides, methane, water, carbon dioxide, etc.). No other sources of air emissions were identified 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. Multiple transformers were identified in mechanical rooms inside the building. One transformer was identified on the exterior east corner of the building. The transformers 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). 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.

Prior to the mid 1970s, the subject property appeared to have been used for agriculture. contemporary herbices and pesticides may have been used at the site during the period of agricultural land use. Soil and groundwater concentrations of herbicides and pesticides are not regulated in Ontario. Ontario regulates pesticides by licensing and/or permit requirements on their use under the Pesticides Act and O. Reg. 63/09. Maximum residual limits are placed on crops to limit human exposure to pesticides and herbicides through consumption. Based on the above, the potential use of herbicides and pesticides at the site has not resulted in an APEC on the subject property.

Dry-Cleaning Operations

Dry cleaning operations were not identified at the subject property. A former laundry facility (with use of halogented solvents) was located at 100 Castlefrank Road, approximately 92 m south-west of the subject property. The former laundry facility represents an environmental concern at the subect property.

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 an education institution since first development in the mid 1970s. 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 55 – Transformer Manufacturing, Processing and Use	Interior mechanical rooms and exterior east corner of subject building.	Ground mounted transformer use.
2	Not Listed – Fuel Pipeline	Crossing the site from north-east to south-east on the north side of the subject building.	Former public fuel transmission pipeline.

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**
3	Item 55 – Transformer Manufacturing, Processing and Use	140 Oakburn Avenue	25 L PCB transformer oil spill.
4	Item 28 – Gasoline and Associated Products Storage in Fixed Tanks	70 Stokes Crescent	Former gas/diesel tank.
5	Item 37 – Operation of Dry-Cleaning Equipment (where chemicals are used)	100 Castlefrank Road	Former laundry facility with use of halogenated solvents.
6	Not Listed – Styrene Spill	113 Sherwood Street	Unknown quantity styrene 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, four APECs were identified at the subject property. The APECs identified at the subject property are provided in the following table and on **Figure 4**.

Table 6: Areas of Potential Environmental Concern			
APEC	**Location**	**Cause of Concern**	**COCs**
1	North side of subject building	PCA 2 – Former fuel public fuel transmission pipeline	PHCs (F1-F4), BTEX, PAHs
2	West corner of subject property	PCA 3 – 25 L PCB transformer oil spill	PHCs (F1-F4), PCBs
3	South corner of parking lot	PCA 4 – Former gasoline/diesel tank	PHCs (F1-F4), BTEX, PAHs
4	South parking lot boundary	PCA 5 – Former laundry facility with use of halogenated solvents	VOCs
5	North-east side of subject building	PCA 6 – Styrene spill	VOCs

7.4 Phase One Conceptual Site Model

The subject property was operational as a secondary school at the time of the investigation. The Carp River is approximately 50 m beyond the south property boundary. The river discharges into the Ottawa River at Fitzroy Harbour, approximately 33 km north-west of the subject property. The river's headwaters originate in a provincially significant wetland (the Stony Swamp wetland complex) on the east side of Eagleson Road, approximately 650 m east of the subject property. Two areas of natural and scientific interest (ANSI) were identified the north and north-east of the subject property. The ANSI were Eagleson's corners (ANSI #251213662) and Stony Swamp (ANSI #251213660). The regional ground water flow direction was inferred to be south based on topography and the presence of local water bodies. The site ground water flow direction could not be determined based on the findings of this assessment.

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

Two PCAs were identified on-site related to the use of ground mounted transformers and a former public fuel transmission pipline. Four PCAs were identified off-site related to a PCB transformer oil spill, a former fuel tank, a former laundry facility with halogenated solvent use, and a styrene spill. All off-site PCAs resulted in APECs on the subject property. Contaminated media includes soil and groundwater and contaminants of concern include VOCs, BTEX, PHCs (F1-F4), PAHs, and PCBs.

Underground services (gas and water) are provided to the site and come from the east from Paddock Way. 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 offshore marine deposits of clay, silt, and sand with low permeability. Bedrock geology within the Phase One study area was described as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group, Simcoe Group, and the Shadow Lake Formation.

8.0 CONCLUSIONS

CM3 Environmental was retained by Ms. Jean Voth, P.Eng. on behalf of the OCDSB to conduct a Phase One ESA for the property located at 150 Abbeyhill Drive in 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 five APECs at the subject property due to a former public fuel transmission pipline, a former PCB transformer oil spill, a former laundry facility with chemical use, a former fuel tank, and a styrene spill. The contaminants of concern included VOCs, BTEX, PHCs (F1-F4), and PCBs and potentially contaminated media included soil and groundwater.

8.1 Requirement for a Phase Two ESA

A Phase Two ESA is required to determine if the concentrations of COCs in soil or groundwater within the APECs are below the applicable MECP site condition standards.

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

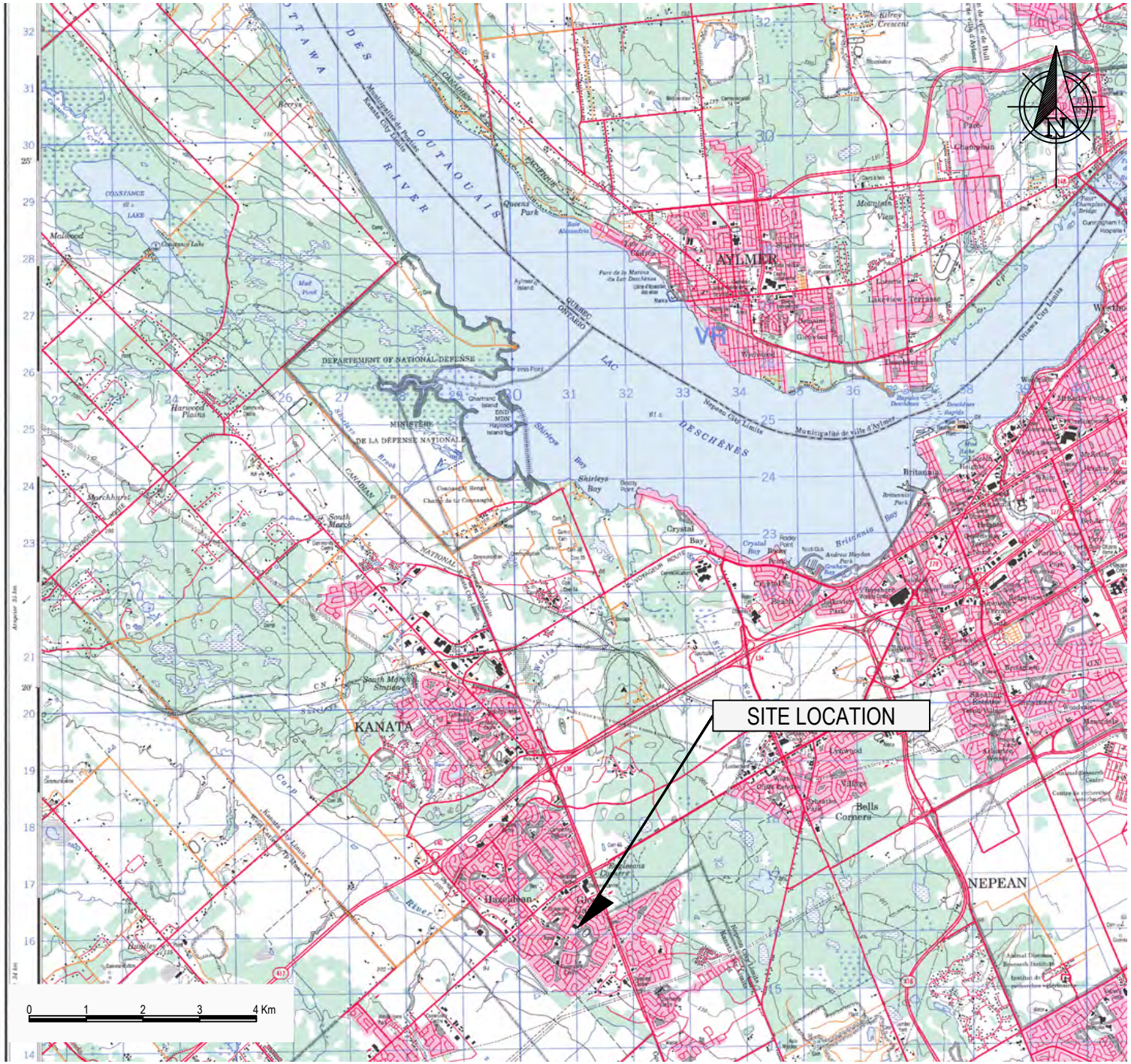
Phase One Environmental Site Assessment

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086



cm3 environmental

5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
AY JACKSON SECONDARY SCHOOL
150 ABBEYHILL DRIVE,
KANATA, ONTARIO

SITE LOCATION

Project: ER1086	Drawn By: KS
Date: JULY 2024	Reviewed By: ER
Scale: AS SHOWN	Figure: 1

LEGEND

- SITE
- STUDY AREA 250 m RADIUS
- FLOOD PLAIN

- ZONING BOUNDARIES
- INS INSTITUTIONAL
- CL COMMUNITY LEISURE
- RES RESIDENTIAL
- OS PARKS AND OPEN SPACE

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 ONE
ENVIRONMENTAL SITE ASSESSMENT
AY JACKSON SECONDARY SCHOOL
150 ABBEYHILL DRIVE,
KANATA, ONTARIO

PHASE ONE STUDY AREA

Project: ER1086	Drawn By: KS
Date: JULY 2024	Reviewed By: ER
Scale: 1:4000	Figure: 2

LEGEND

- SITE
- STUDY AREA 250 m RADIUS
- FLOOD PLAIN
- #1 PCA LOCATION

PCA LIST:

1 - ON-SITE TRANSFORMER (ITEM 55)

2 - ON-SITE FORMER PUBLIC FUEL TRANSMISSION PIPELINE.

3 - 140 OAKBURN AVE., PCB SPILL (ITEM 28)

4 - 70 STOKES CRES., DELISTED GAS/DIESEL HIGHWAY FUEL TANK (ITEM 28)

5 - 100 CASTLEFRANK RD., GENERATION OF HALOGENATED SOLVENTS (ITEM 37)

6 - 113 SHERWOOD ST., UNKNOWN QUANTITY STYRENE SPILL (ITEM NOT LISTED)
TRANSMISSION PIPELINE.

Scale 1:4000

0 40 80 120 160 m

(Approx. When plotted 11x17)

cm3 environmental

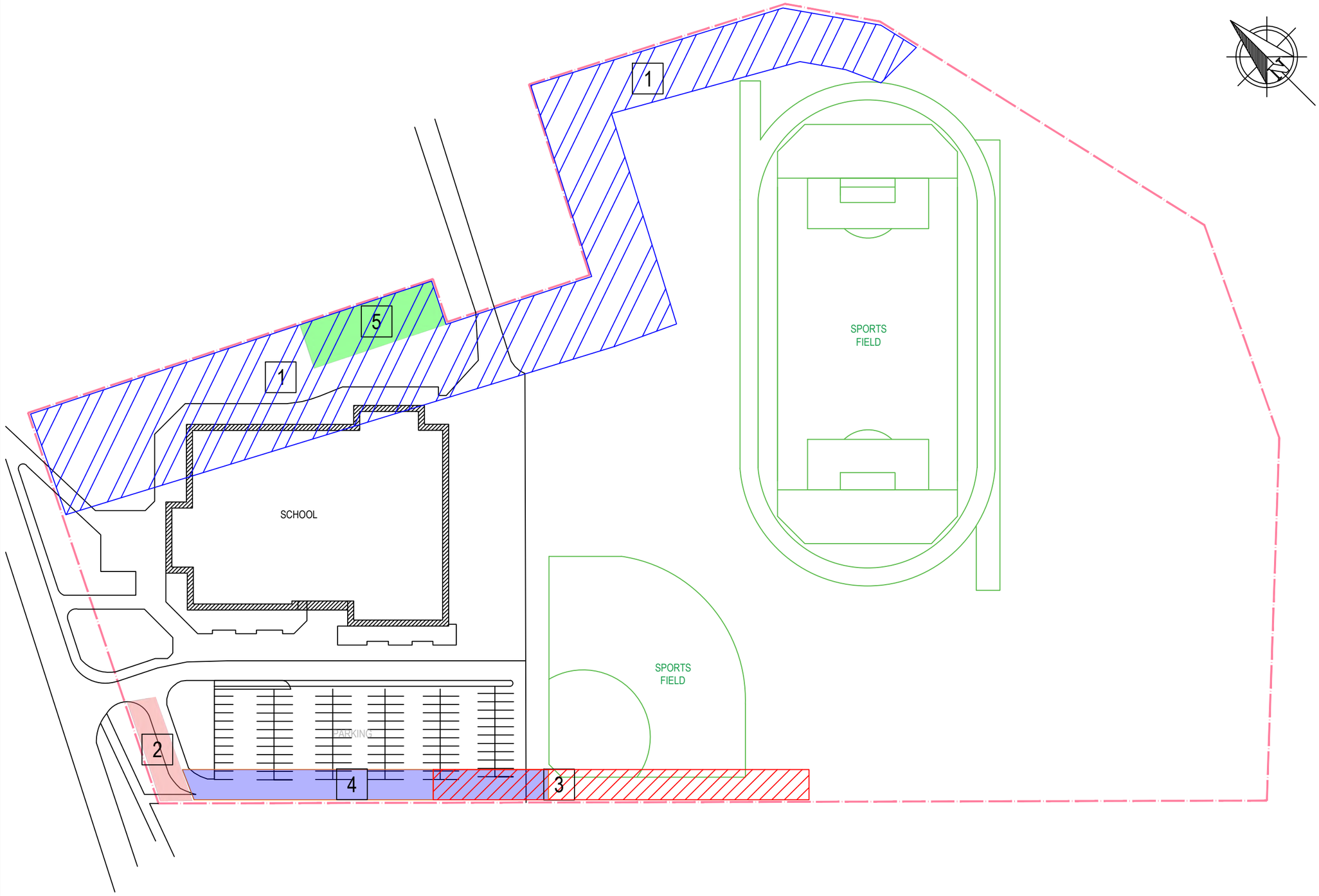
5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
AY JACKSON SECONDARY SCHOOL
150 ABBEYHILL DRIVE,
KANATA, ONTARIO

POTENTIALY CONTAMINATING ACTIVITIES

Project: ER1086	Drawn By: KS
Date: JULY 2024	Reviewed By: ER
Scale: 1:4000	Figure: 3



LEGEND

PHASE I SITE

APEC:

- #1(PCA 2) - FORMER PUBLIC FUEL TRANSMISSION PIPELINE.
- #2 (PCA 3) - 140 OAKBURN AVE - SUBJECT PROPERTY TRANSFORMER OIL SPILL.
- #3 (PCA 4) - 70 STOKES CRES. - DELISTED GAS/DIESEL HIGHWAY FUEL TANK.
- #4 (PCA 5) - 100 CASTLEFRANK RD. FORMER MAXI BRITE CLEANERS.
- #5 (PCA 6) 113 SHERWOOD ST. - UNKNOWN QUANTITY STYRENE SPILL.

Scale 1:1250

0 10 20 30 40 m

(Approx. When plotted 11x17)

cm3 environmental

5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
AY JACKSON SECONDARY SCHOOL
150 ABBEYHILL DRIVE,
KANATA, ONTARIO

AREA OF POTENTIAL ENVIRONMENTAL CONCERN

Project: ER1086	Drawn By: KS
Date: JULY 2024	Reviewed By: ER
Scale: 1:1250	Figure: 4

APPENDIX A

PHOTOGRAPHIC RECORD

Phase One Environmental Site Assessment

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 1: Looking east at the subject property from the public sidewalk along Abbeyhill Drive.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 2: Looking east-north-east at the front entrance to the subject building from the parking lot.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 3: View of a manhole and stormwater catch basin on the north side of the subject building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 4: View of the east building elevation. Overhead hydro and communication lines and a stormwater catch basin are in view.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 5: View of portable classroom units on the east side of the subject building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 6: View of the south building elevation (location of the proposed addition).

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 7: View of a ground mounted transformer on the exterior south-east corner of the subject building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 8: View of dumpsters and a storage shed on the exterior east corner of the subject building. Paddock Way is in view on the right side of the photo.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 9: View of portable classroom units on the exterior south side of the subject building.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 10: View of an electrical area on the south side of the building. Presumed battery storage location for rooftop solar panels.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 11: View of the south corner of the subject building. An overhead door and a wood dust collection system are in view.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 12: View of the running track (left) and baseball diamond (right) on the south section of the subject property.

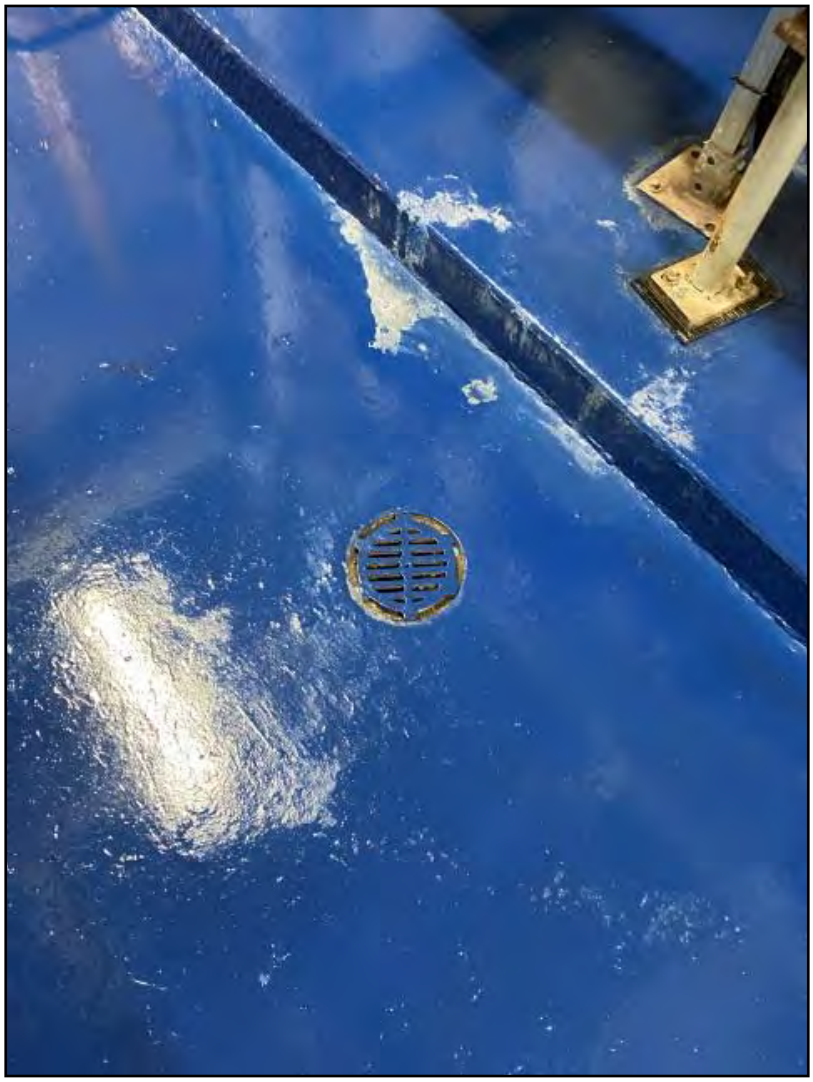
APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 13: View of a gas fired boiler in mechanical room 241.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 14: View of a hot water heater in mechanical room 241.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024



Photograph 15: View of a floor drain in mechanical room 241.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 16: View of expansion tanks in mechanical room 241.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 17: View of a sodium hydroxide boiler water treatment storage in mechanical room 241.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 18: View of a refrigeration unit in mechanical room 241b.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 19: View of a cooling tower in mechanical room 241a (lower roof).

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 20: View of rooftop solar panels.

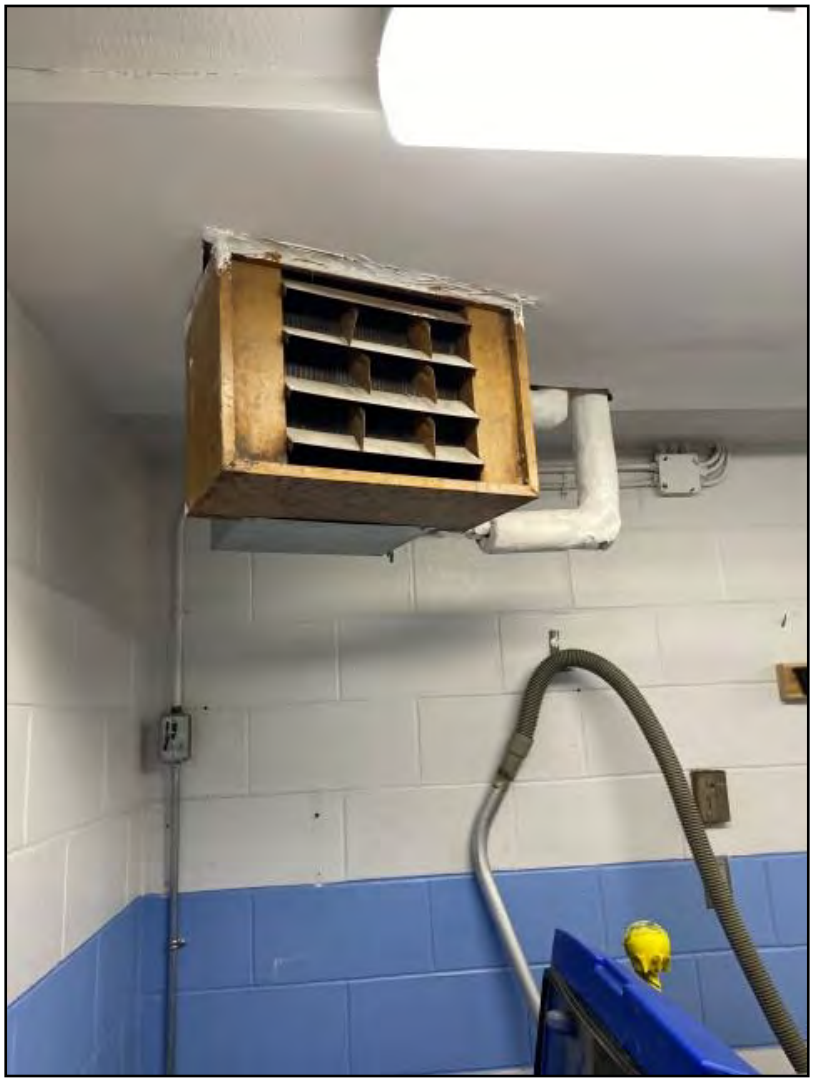
APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 21: View of a chimney stacks above the boiler room.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 22: View of a transformer in mechanical room 241.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024



Photograph 23: View of a ceiling mounted natural gas heater in custodial room 142.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 24: View of a floor drain in custodial room 142.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 25: View of a transformer in electrical room 140e.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 26: View of a natural gas fired generator in room 140f.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 27: View of a floor drain in room 140f.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 28: View of laboratory chemical storage in room 126a.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 29: View of a floor drain in mechanical room 222. Minor rust, dirt, and water staining present.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 30: View of a transformer in mechanical room 222.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 31: View of a floor drain in mechanical room 238.

APPENDIX A PHOTOGRAPHIC RECORD	
Client: Ottawa-Carleton District School Board	**Job Number:** ER1086
Site Name: A.Y. Jackson Public School	**Location:** 150 Abbeyhill Drive, Kanata, ON
Photographer: Ethan Risk	**Date:** May 30, 2024

Photograph 32: View of a transformer in mechanical room 238.

APPENDIX B

INSURANCE PRODUCTS

Phase One Environmental Site Assessment

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

opta
INFORMATION INTELLIGENCE

enviroscan

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Stephanie

Site Address:

150 Abbeyhill Drive Ottawa ON

Project No:

24051300989

Opta Order ID:

144301

Requested by:

Eleanor Goolab
Ecolog Eris

Date Completed:

5/31/2024 2:11:20 PM

Project Name: AY Jackson Secondary School

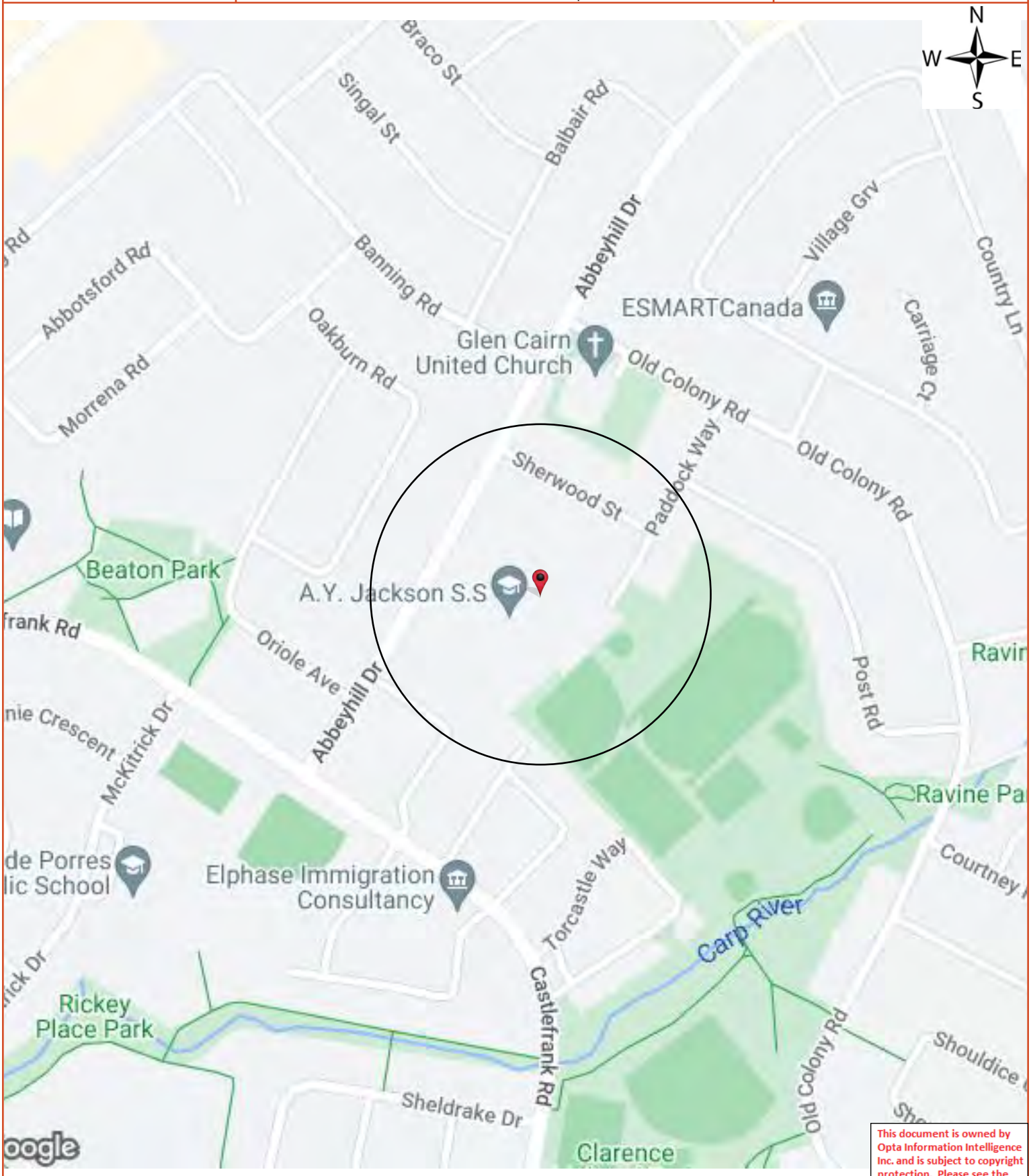
Project #: 24051300989
P.O. #: ER1086

ENVIROSCAN Report

Search Area: 150 Abbeyhill Drive Ottawa ON

Requested by:
Eleanor Goolab
Date Completed: 05/31/2024 14:11:20

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.

Project Name: AY Jackson Secondary School

Project #: 24051300989
P.O. #: ER1086

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 05/31/2024 14:11:20

OPTA INFORMATION INTELLIGENCE

No Records Found

APPENDIX C

CHAIN OF TITLE

Phase One Environmental Site Assessment

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

CHAIN OF TITLE REPORT

Project #: 24051300989
Address: 150 Abbeyhill Drive, Kanata
Legal Description: PT Lot 32, Con 11 Golbourn as in CT212287 & Pts 1-4, 5R1601

Searched at: Ottawa
LRO #: 4

PIN #: 04485-0210 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (100 Acres)	17 03 1824	Crown	**James SCHARF**
R01984	Deed	01 05 1857	James Scharf	Robert GRANT
GB3977	Deed	26 05 1894	Eliza Grant exor for Robert Grant - Estate)	Elizabeth A. GOURLEY
GB4309	Deed	21 01 1899	Elizabeth A. Gourley	Craigmore BRADLEY
GB1374	Deed	01 06 1961	Wilbur Bradley (exor of Craigmore Bradley)	Valley Land Development (Ottawa) Limited
GB14358	Deed	04 02 1963	Valley Land Development (Ottawa) Limited	Conarm Developments Limited
GB15889	Deed	22 07 1966	Conarm Developments Limited	Connelly Developments Limited
GB16267	Easement	06 06 1967	Connelly Developments Limited	The Bell Telephone Co. of Canada
GB16553	Deed	31 10 1967	Connelly Developments Limited	Ontario Housing Corporation

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: #24051300989
Address: 150 Abbeyhill Drive, Kanata
Legal Description: PT Lot 32, Con 11 Golbourn as in CT212287 & Pts 1-4, 5R1601

Searched a: Ottawa
LRO #: 4

PIN #: 04485-0210 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
CT212287	Deed	27 06 1975	Ontario Housing Corporation	The Carleton Board of Education
CT223239	Deed (Pts 1-4)	16 01 1976	Costain Estates Limited (formerly Connelly Developments Limited)	The Carleton Board of Education
NS153691	Easement	17 06 1982	The Carleton Board of Education	The Corporation of The City of Kanata
LT1010373	Easement	12 11 1996	The Carleton Board of Education	Kanata Hydro-Electric Commission
OC1370078	Name Change **(Present Owner)**	06 06 2012	The Carleton Board of Education	**Ottawa-Carleton District School Board**
OC1436021	Easement	05 12 2012	Ottawa-Carleton District School Board	2305030 Ontario Inc. OSPS (002281-150 Abbeyhill) Limited Partnership

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

PROPERTY DESCRIPTION: PT LT 32, CON 11, GOULBOURN, BEING PT OF THE W HALF AS IN CT212287, AND PTS 1, 2, 3 & 4, 5R-1601. S/T GB16267, NS153691. SUBJECT TO AN EASEMENT IN FAVOUR OF KANATA HYDRO-ELECTRIC COMMISSION OVER PART 1 PLAN 4R11537 AS IN LT1010373.; SUBJECT TO AN EASEMENT IN GROSS AS IN OC1436021

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK GB-9

PIN CREATION DATE:
1994/11/14

OWNERS' NAMES
OTTAWA-CARLETON DISTRICT SCHOOL BOARD

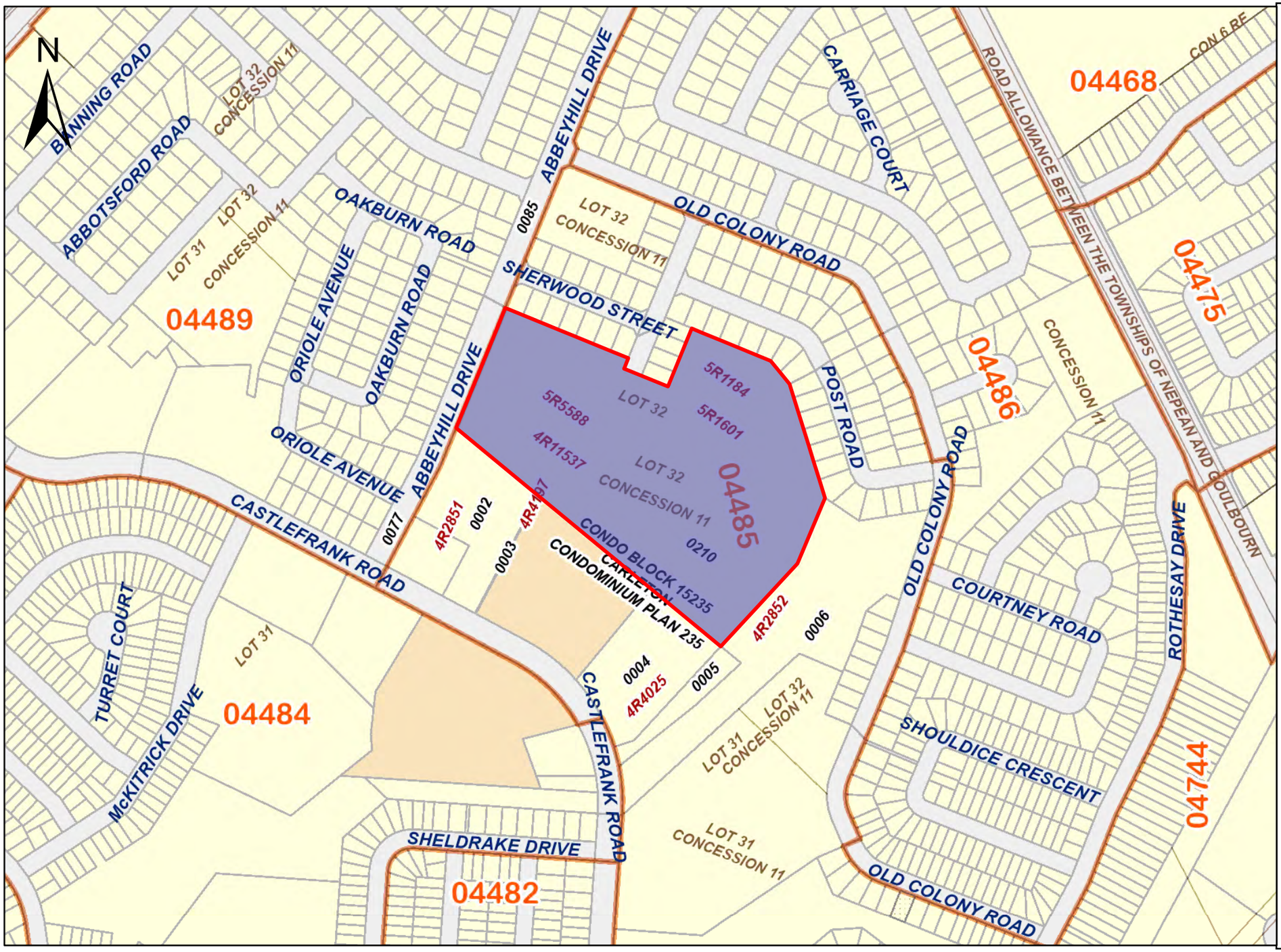
CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1994/11/14 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1994/11/14						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1994/11/10 ***						
***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: 1994/11/14 ***						
GB14119	1962/03/09	BYLAW				C
	REMARKS: SEE LT111755					
GB16267	1967/06/06	TRANSFER EASEMENT			THE BELL TELEPHONE COMPANY OF CANADA	C
	REMARKS: SKETCH ATTACHED					
5R1184	1974/03/21	PLAN REFERENCE				C
5R1601	1974/09/17	PLAN REFERENCE				C
CT212287	1975/06/27	TRANSFER	$383,232		THE CARLETON BOARD OF EDUCATION	C
CT223239	1976/01/16	QUIT CLAIM TRNSFR	$1		THE CARLETON BOARD OF EDUCATION	C
5R5588	1981/03/19	PLAN REFERENCE				C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
NS153691	1982/06/17	TRANSFER EASEMENT			THE CORPORATION OF THE CITY OF KANATA	C
4R11537	1995/10/12	PLAN REFERENCE				C
LT1010373	1996/11/12	TRANSFER EASEMENT	$1	THE CARLETON BOARD OF EDUCATION	KANATA HYDRO-ELECTRIC COMMISSION	C
OC1370078	2012/06/06	APL CH NAME OWNER		THE CARLETON BOARD OF EDUCATION	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	C
OC1436021	2012/12/05	TRANSFER EASEMENT	$124,350	OTTAWA-CARLETON DISTRICT SCHOOL BOARD	2305030 ONTARIO INC. OSPS (002281 - 150 ABBEYHILL) LIMITED PARTNERSHIP	C
OC1469858	2013/04/22	CHARGE PARTNERSHIP		*** COMPLETELY DELETED *** 2305030 ONTARIO INC. OSPS (002281 - 150 ABBEYHILL) LIMITED PARTNERSHIP	PSI CONSTRUCTION LENDER GP INC. PSI CONSTRUCTION LENDER LIMITED PARTNERSHIP	
	REMARKS: OC1436021					
OC1470311	2013/04/23	LR'S ORDER		LAND REGISTRAR		C
	REMARKS: AMENDING THE PROPERTY DESCRIPTION					
OC1652326	2015/01/14	APL (GENERAL)		POTENTIA SOLAR 1 GP INC. OSPS (002281-150 ABBEYHILL) LIMITED PARTNERSHIP	POTENTIA SOLAR 1 GP INC.	C
	REMARKS: OC1436021					
OC1767167	2016/02/26	DISCH OF CHARGE		*** COMPLETELY DELETED *** PSI CONSTRUCTION LENDER GP INC. PSI CONSTRUCTION LENDER LIMITED PARTNERSHIP		
	REMARKS: OC1469858.					
OC1773380	2016/03/22	APL (GENERAL)		POTENTIA SOLAR 1 GP INC. OSPS (002281-150 ABBEYHILL) LIMITED PARTNERSHIP	MSPC V GENERAL PARTNER INC. OSPS (002281-150 ABBEYHILL) LIMITED PARTNERSHIP	C
	REMARKS: OC1436021					
OC1773410	2016/03/22	CHARGE PARTNERSHIP	$40,000,000	MSPC V GENERAL PARTNER INC. OSPS (002281-150 ABBEYHILL) LIMITED PARTNERSHIP	NATIONAL BANK OF CANADA	C
	REMARKS: OC1436021					
4R31534	2018/11/15	PLAN REFERENCE				C

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



ServiceOntario

PRINTED ON 26 MAY, 2024 AT 20:28:22
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

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

CITY DIRECTORY

Project Property:	*AY Jackson Secondary School* *150 Abbeyhill Dr* *Ottawa,ON K2L 1H7*
Project No:	*ER1086*
Requested By:	*CM3 Environmental Inc.*
Order No:	*24051300989*
Date Completed:	*May 22, 2024*

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

May 22, 2024
RE: CITY DIRECTORY RESEARCH
150 Abbeyhill Dr
Ottawa,ON K2L 1H7

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:

150 of Abbeyhill Dr

Search Notes:

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	
2006	VERNONS	
2000	POLKS	
1997	POLKS	
1994	POLKS	
1991	MIGHTS	
1987	MIGHTS	
1981	MIGHTS	
1976	MIGHTS	
1971	MIGHTS	
1967	MIGHTS	
1960	MIGHTS	

2021 ABBEYHILL DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 ABBEYHILL DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 ABBEYHILL DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2006 ABBEYHILL DR

SOURCE: VERNONS

150 **OTTAWA-CARLETON DISTRICT SCHOOL BOARD**

2000 ABBEYHILL DR

SOURCE: POLKS

150	**BEAVER GOOD AY JACKSON CAFETERIA**
150	**OTTAWA-CARLETON DISTRICT SCHOOL BOARD**

1997 ABBEYHILL DR

SOURCE: POLKS

150	**BEAVER FOODS**
150	**CARLETON BOARD OF EDUCATION**

1994 ABBEYHILL DR

SOURCE: POLKS

150 **A Y JACKSON HIGH SCHOOL**

1991 ABBEYHILL DR

SOURCE: MIGHTS

150 **A Y JACKSON HIGH SCHOOL**

1987 ABBEYHILL DR

SOURCE: MIGHTS

150 **STREET NOT LISTED**

1981 ABBEYHILL DR

SOURCE: MIGHTS

150 **STREET NOT LISTED**

1976 ABBEYHILL DR

SOURCE: MIGHTS

150 **STREET NOT LISTED**

1971 ABBEYHILL DR

SOURCE: MIGHTS

150 **STREET NOT LISTED**

1967 ABBEYHILL DR

SOURCE: MIGHTS

150 **STREET NOT LISTED**

1960 ABBEYHILL DR

SOURCE: MIGHTS

150 **STREET NOT LISTED**

APPENDIX E

FREEDOM OF INFORMATION DOCUMENTS

Phase One Environmental Site Assessment

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

File Number: D06-03-24-0050

June 19, 2024

Ethan Risk
CM3 Environmental

Sent via email ethan@cm3environmental.com

Dear Ethan Risk,

Re: Information Request
150 Abbeyhill Drive **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:** A 1966 plan is available showing the configuration of the public fuel transmission system installed in this neighbourhood, as shown in the HLUI report. Please contact ERU-UAE@ottawa.ca to obtain a copy of the drawing if required.

- **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 not found any information pertaining to the subject property.

- **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,

Jonathan Chan
Student Planner
Development Review
Planning, Development and Building Services Department

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-24-0050

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP

Line Feature ID:3345

Line Feature ID:3345

Line Feature ID:3348

Line Feature ID:3348

Line Feature ID:3361

Line Feature ID: 3349

Line Feature ID:3368

Line Feature ID:3374

Line Feature ID: 3372

Line Feature ID:3379

Line Feature ID:3378

Legend

- Subject Property - 150 Abbeyhill Road
- HLUI Line Features Within 250 m
- HLUI Area Features Within 250 m

0 130 260 390 METERS

N

Prepared By: D. Kiar
Environmental Remediation Unit
Jun 19 2024
City of Ottawa

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	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017
	COMPUTER CONCEPTS LIMITED	Retail trade	2012-ES	1			100	CASTLEFRANK	RD			100	CASTLEFRANK	RD		K2L2V6
	MAXI BRITE DRY CLEANERS	Laundries and Cleaners	1994-PID; 1998-KBD; 1998-SC; 2000-PID	1	1994-2000	c. 1994-19	100	CASTLEFRANK	RD		KANATA	100	CASTLEFRANK	RD		K2L2V6

HLUI SUMMARY REPORT
LINEAR FEATURES

OBJECTID	SOURCE	FEATURE	YEAR	COMMENT	NAME	Shape_Length
1950	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				65.75807
1956	1975-Texaco Piping Layout Glen Cairn Phase I - Plan 31	Fuel line				49.60872
1961	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				64.59324
1962	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				49.86834
1963	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				62.71114
1964	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				39.14323
1965	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				51.46268
1966	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				79.72671
1967	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				172.8432
1968	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				40.50781
1969	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				145.984
1970	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				69.72375
1971	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				80.10393
1972	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				73.91849
1973	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				64.67392
1978	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				57.78278
1979	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				160.4989
1980	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				138.6019
1981	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				178.8775
1982	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				65.6444
1983	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				177.5647
1985	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				72.10772
3292	1975-Texaco Piping Layout Glen Cairn Phase I - Plan 31	Fuel line				175.3471
3293	1975-Texaco Piping Layout Glen Cairn Phase I - Plan 31	Fuel line				41.64498
3294	1975-Texaco Piping Layout Glen Cairn Phase I - Plan 31	Fuel line				16.15298
3295	1975-Texaco Piping Layout Glen Cairn Phase I - Plan 31	Fuel line				208.3445
3296	1975-Texaco Piping Layout Glen Cairn Phase I - Plan 31	Fuel line				17.98194
3300	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				104.8147
3345	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				203.6807
3346	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				197.6121
3347	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				35.359
3348	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				45.95185
3349	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				121.7109
3350	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				24.59355
3351	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				86.86033
3352	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				33.52573
3353	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				18.3892
3354	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				168.9929
3356	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				131.1838
3357	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				31.05565
3358	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				219.694
3361	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				435.3959
3362	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				192.3424

Prepared By: *D.Kiar*
City of Ottawa
Environmental Remediation Unit
2024-07-16

HLUI SUMMARY REPORT
LINEAR FEATURES

OBJECTID	SOURCE	FEATURE	YEAR	COMMENT	NAME	Shape_Length
3363	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				8.947853
3364	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				187.6848
3365	1975-Texaco Piping Layout Glen Cairn Phase II - Plan 37	Fuel line				387.8063
3366	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				35.04597
3367	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				61.32638
3368	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				210.7452
3369	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				34.86942
3370	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				117.7298
3371	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				215.34
3372	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				133.2749
3374	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				134.122
3378	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				219.0562
3379	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				153.6257
3380	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				64.44698
3381	1975-Texaco Piping Layout Glen Cairn Phase III - Plan 38	Fuel line				9.875061

SCAN

ARCH
LINE ART
300 DPI PDF
DENSITY 14

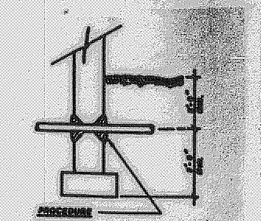
1.5 MB Fik

N

NOTE

LOCATION OF PIPES, VALVES, ROAD CROSSINGS AND RESERVOIR ON LAYOUT AND INSERTS ARE NOT TO SCALE. ACTUAL DEPTH OF PIPE WILL BE MINIMUM 42" FROM FINISHED GRADE AND ALL WORK SHALL BE CO-ORDINATED WITH OTHER UTILITIES SO AS NOT TO INTERFERE WITH STORM, SANITARY, WATER OR PROPOSED DRIVEWAY ETC.

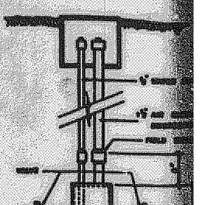
WATER SUMPS AND AIR RISERS SHOWN APPROXIMATE. FINAL LOCATION SHALL BE ESTABLISHED BY TEXACO CANADA LIMITED - O.P.D. SUPERVISORS ONLY.



PROCEDURE

CHIP OUT 2" AROUND PIPE, WET THOROUGHLY, PACK WITH QUICK SETTING PLASTIC PATCH (OR EQUIVALENT). COVER WITH BLACK PLASTIC BONDED ROOFING.

FOUNDATION TAPPING DETAIL

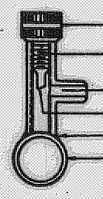


WATER SUMP & AIR TRAP

PIPE TO SOIL SURVEY						
No.	1970	1975	1978	19	19	19
1	-1.00	-1.20	-1.00			
2	-1.45	-1.22	-1.27			
3	-1.32	-1.30	-1.33			
4	-1.43	-1.34	-1.39			
5	-1.37	-1.28	-1.32			
6	-1.39	-1.29	-1.42			
7	-1.36	-1.24	-1.32			
8	-1.34	-1.36	-1.36			
9	-1.33	-1.39	-1.26			
10	-1.18	-1.22	-1.25			
11	-1.36	-1.29	-1.30			
12	-1.38	-1.36	-1.34			
13	-1.41	-1.30	-1.33			
14	-1.42	-1.29	-1.15			
15	-1.30	-1.23	-1.31			
16	-1.25	-1.26	-1.24			
17	-1.34	-1.38	-1.30			
18	-1.35	-1.32	-1.32			
19	-1.29	-1.31	-1.32			
20	-1.24	-1.42	-1.44			
21	-1.40	-1.38	-1.31			
22	-1.37	-1.40	-1.36			
23	-1.39	-1.42	-1.21			
24	-1.40	-1.39	-1.37			
25	-1.38	-1.37	-1.36			
26	-1.40	-1.39	-1.52			
27	-1.38	-1.41	-1.36			
28	-1.38	-1.39	-1.40			
29	-1.30	-1.36	-1.42			
30	-1.40	-1.34	-1.43			
31	-1.26	-1.21	-1.22			
32	-1.40	-1.32	-1.20			
33	-1.27	-1.37	-1.24			

HALF CELL LOCATION
ANODE
ISOLATION POINT
TEST POINT (REFERENCE)
PROPOSED PIPES
EXISTING PIPES
AIR TRAP
WATER SUMP
VALVE AND BOX CAP

LEGEND



INSTALLATION PROCEDURE

REMOVE JACKET FROM PIPE. REMOVE CAP AND CORE FROM VALVE THEN WELD IN VERTICAL POSITION. REPLACE CAP AND CORE.

WHEN SERVICE LINE IS CAPPED AND READY TO FLOOD, APPLY CUTTING OIL TO CUTTING EDGE OF CORE THEN SCREW CORER TO FULLY PUNCTURE SADDLE. SCREW BACK CORE UNTIL OUTLET IS CLEAR. CAP SECURELY, USING APPROVED LUBRICANT. BACKFILL 1'-0" OVER VALVE WITH SAND.

MINI TEE SERVICE LATERAL VALVE

REGISTERED PLAN No. 809			
TEXACO PIPING LAYOUT			
GLEN CAIRN PHASE II			
DRAWN: S.M.	CHECKED: L.F.	SCALE: 1"=100'	DATE:
APPROVED: G. BESHARAH		CONT. H-106	DWG.

REVISIONS		
No.	DATE	DESCRIPTION
1	DEC. 66	ORIGINAL DWG.
2	APR. 75	REVISED - AS BUILT ADDED

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

May 14, 2024

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

Dear Ethan Risk:

RE: **MECP FOI A-2024-03093 / Your Reference ER1086 – Acknowledgement Letter**

The Ministry is in receipt of your request made pursuant to the Freedom of Information and Protection of Privacy Act.

The search will be conducted on the following: 150 Abbeyhill Drive, Kanata. If there is any discrepancy, please contact us immediately.

Please note the file number that has been assigned to your request. This number should be referred to in all future communications with our office.

If you have any questions, please contact Lia Delange at lia.delange@ontario.ca.

Yours truly,

Lia Delange
MECP 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

21 May 2024

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

Subject:	150 Abbeyhill Drive, Kanata, Ontario, Canada, K2L 1H7
Your File No.:	ER1086
WO No.:	14316954

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.

APPENDIX F

ERIS DATABASE REPORT

Phase One Environmental Site Assessment

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

DATABASE REPORT

Project Property:	*AY Jackson Secondary School* *150 Abbeyhill Dr* *Ottawa ON K2L 1H7*
Project No:	*ER1086*
Report Type:	*Standard Report*
Order No:	*24051300989*
Requested by:	*CM3 Environmental Inc.*
Date Completed:	*May 15, 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:	*AY Jackson Secondary School* *150 Abbeyhill Dr Ottawa ON K2L 1H7*
Project No:	*ER1086*

Coordinates:

Latitude:	*45.2951457*
Longitude:	*-75.8798229*
UTM Northing:	*5,016,115.68*
UTM Easting:	*431,013.28*
UTM Zone:	*UTM Zone 18T*

Elevation: *351 FT*
106.88 M

Order Information:

Order No:	*24051300989*
Date Requested:	*May 13, 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)*
Topographic Map	*Ontario Base Map (OBM)*

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	0	0
CA	*Certificates of Approval*	Y	0	1	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	1	1
EASR	*Environmental Activity and Sector Registry*	Y	0	0	0
EBR	*Environmental Registry*	Y	0	0	0
ECA	*Environmental Compliance Approval*	Y	0	0	0
EEM	*Environmental Effects Monitoring*	Y	0	0	0
EHS	*ERIS Historical Searches*	Y	0	0	0
EIIS	*Environmental Issues Inventory System*	Y	0	0	0
EMHE	*Emergency Management Historical Event*	Y	0	0	0
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	12	1	13
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	0	0
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 Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	3	3
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	4	4
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	1	1

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:		12		11	23

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	16
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON	-/0.0	0.00	16
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON	-/0.0	0.00	17
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON	-/0.0	0.00	17
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	18
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON	-/0.0	0.00	18
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	19
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	20
1	GEN	Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	21

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	Ottawa-Carleton District School Board Health & Safety	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	21
1	GEN	Ottawa-Carleton District School Board Health & Safety	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	23
1	GEN	Ottawa-Carleton District School Board Health & Safety	150 Abbeyhill Drive Nepean ON K2L 1H7	-/0.0	0.00	24

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SPL	113 Sherwood Street	113 Sherwood St., Ottawa ON OTTAWA ON	NE/99.6	0.00	25
3	WWIS		350 CATHERINE ST. OTTAWA ON ***Well ID:*** 7296642	SSW/139.0	-2.08	26
4	PINC	PIPELINE HIT - 1/2"	167 ABBEYHILL DRIVE,,OTTAWA,ON,K2L 2E9,CA ON	W/158.3	-0.07	29
5	CA	J.M. FAIRCHILD VENTURES INC.	PADDOCK WAY/OLD POST ROAD KANATA CITY ON	ENE/168.1	1.00	29
6	DTNK	KENNETH H SULLIVAN	70 STOKES CRES KANATA ON	SSW/180.0	-2.00	30
7	SPL	Enbridge Gas Distribution Inc.	behind 176 Abbey Hill Drive Ottawa ON	WSW/190.2	-1.31	30
7	PINC	PIPELINE HIT 1 1/4"	176 ABBEYHILL DR,,OTTAWA,ON,K2L 2E9,CA ON	WSW/190.2	-1.31	31
8	PINC	PRO PAVINGSTONE INC.	123 POST RD,,KANATA,ON,K2L 1L1,CA ON	E/200.0	-0.03	31
8	SPL		123 Post Road Ottawa ON	E/200.0	-0.03	32
9	GEN	MAXI BRITE CLEANERS	100 CASTLEFRANK ROAD KANATA ON K2L 2V6	SW/221.8	-2.03	33
10	SPL	KANATA HYDRO	140 OAKBURN AVE. TRANSFORMER KANATA CITY ON K2L 1E3	W/222.7	0.69	33

Executive Summary: Summary By Data Source

CA - Certificates of Approval

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
J.M. FAIRCHILD VENTURES INC.	PADDOCK WAY/OLD POST ROAD KANATA CITY ON	ENE	168.06	5

DTNK - Delisted Fuel Tanks

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
KENNETH H SULLIVAN	70 STOKES CRES KANATA ON	SSW	180.02	6

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 13 GEN 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	150 Abbeyhill Drive Nepean ON	-	0.00	1
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON	-	0.00	1
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1
Ottawa-Carleton District School Board Health & Safety	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1
Ottawa-Carleton District School Board Health & Safety	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1
Ottawa-Carleton District School Board Health & Safety	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON	-	0.00	1
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON K2L 1H7	-	0.00	1
Ottawa-Carleton District School Board	150 Abbeyhill Drive Nepean ON	-	0.00	1

Lower Elevation	Address	Direction	Distance (m)	Map Key
MAXI BRITE CLEANERS	100 CASTLEFRANK ROAD KANATA ON K2L 2V6	SW	221.84	9

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
PIPELINE HIT - 1/2"	167 ABBEYHILL DRIVE,,OTTAWA, ON,K2L 2E9,CA ON	W	158.28	4

PIPELINE HIT 1 1/4"	176 ABBEYHILL DR,,OTTAWA,ON, K2L 2E9,CA ON	WSW	190.23	7
PRO PAVINGSTONE INC.	123 POST RD,,KANATA,ON,K2L 1L1, CA ON	E	200.05	8

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jan 2023; Mar 2023-Dec 2023 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

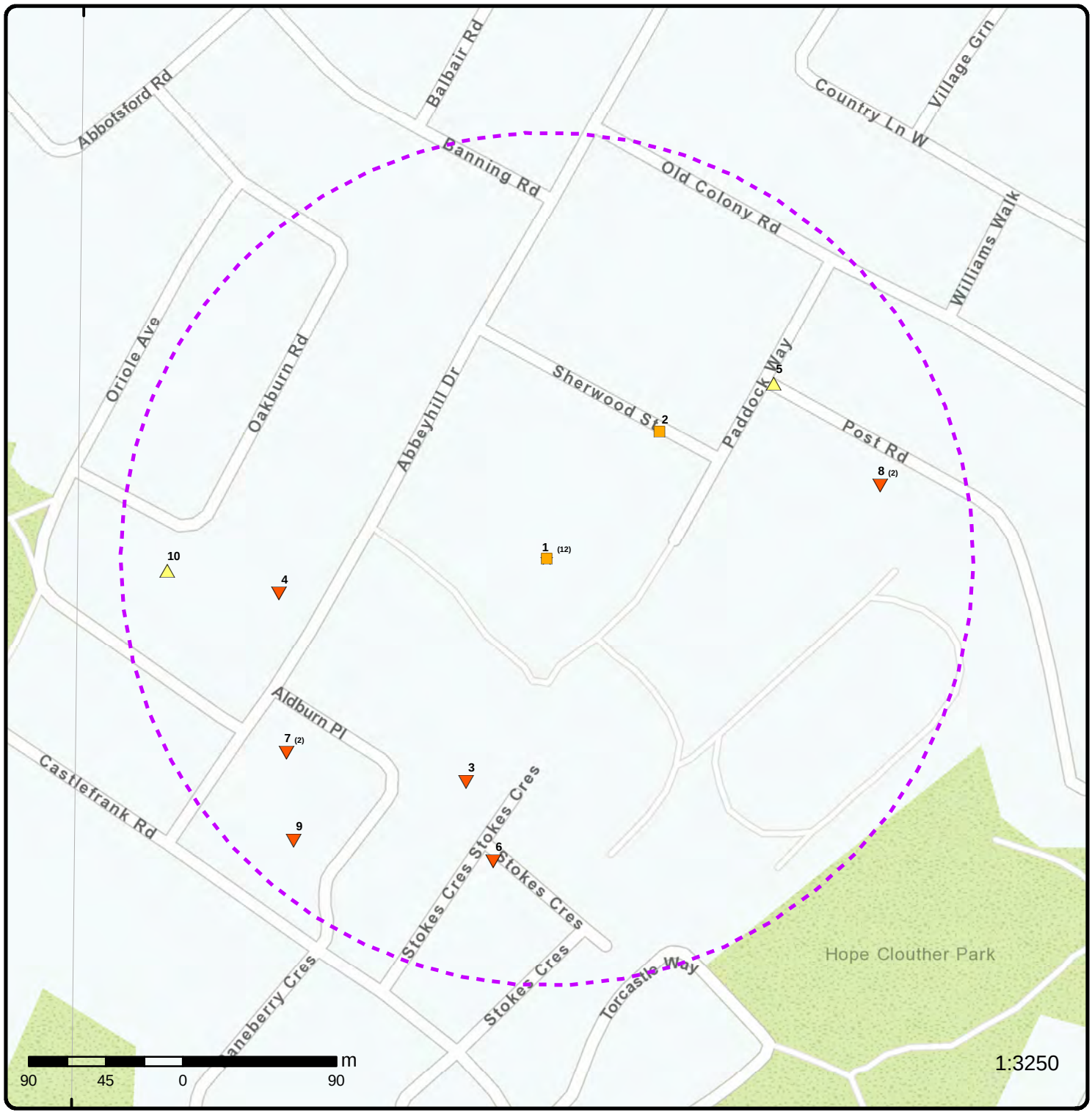
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
113 Sherwood Street	113 Sherwood St., Ottawa ON OTTAWA ON	NE	99.62	2
KANATA HYDRO	140 OAKBURN AVE. TRANSFORMER KANATA CITY ON K2L 1E3	W	222.66	10

Lower Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	behind 176 Abbey Hill Drive Ottawa ON	WSW	190.23	7
	123 Post Road Ottawa ON	E	200.05	8

WWIS - Water Well Information System

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
	350 CATHERINE ST. OTTAWA ON ***Well ID:*** 7296642	SSW	139.02	3



Map: 0.25 Kilometer Radius

Order Number: 24051300989

Address: 150 Abbeyhill Dr, 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

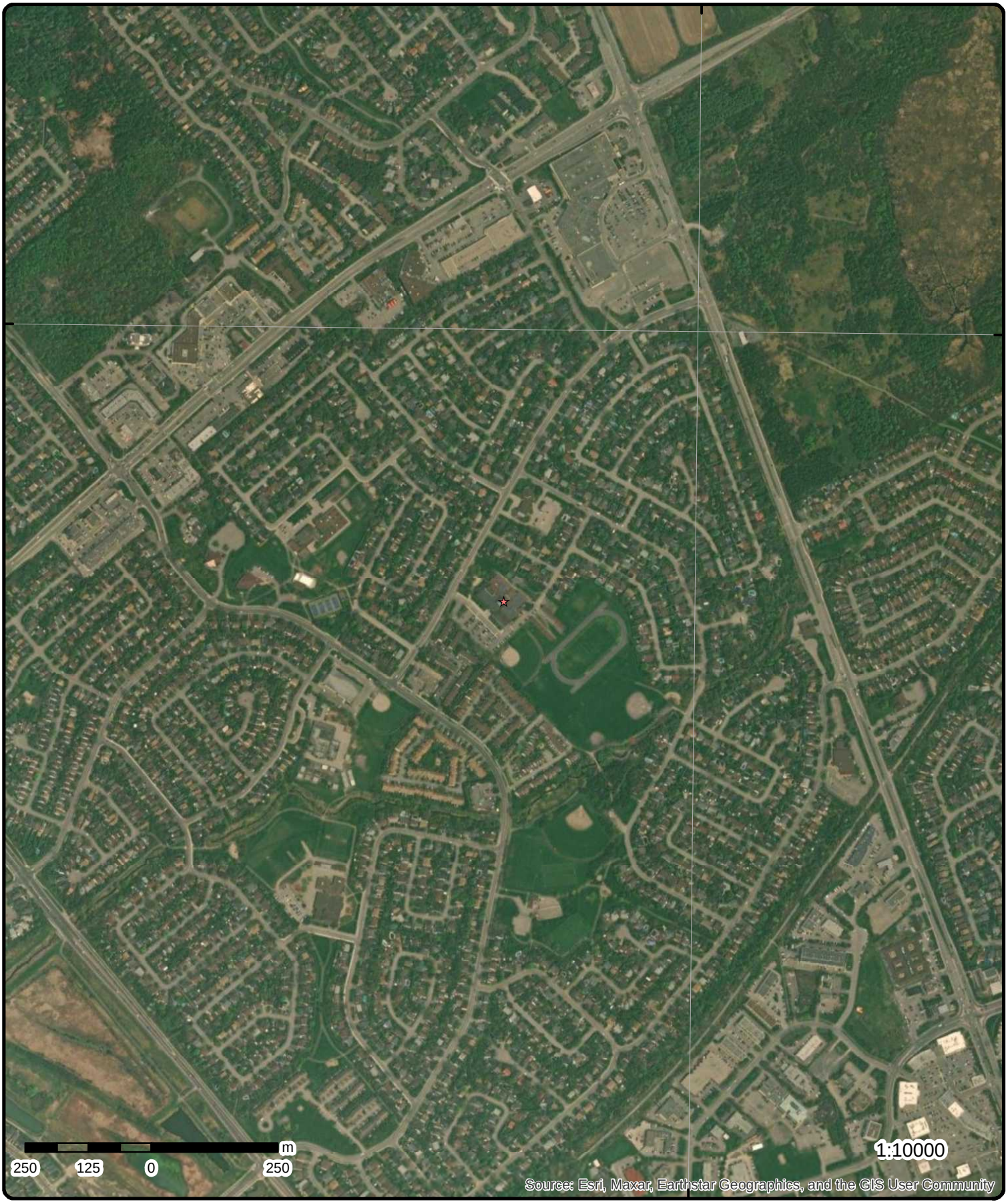
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail

- 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°52'30"W

45°18'N



45°18'N

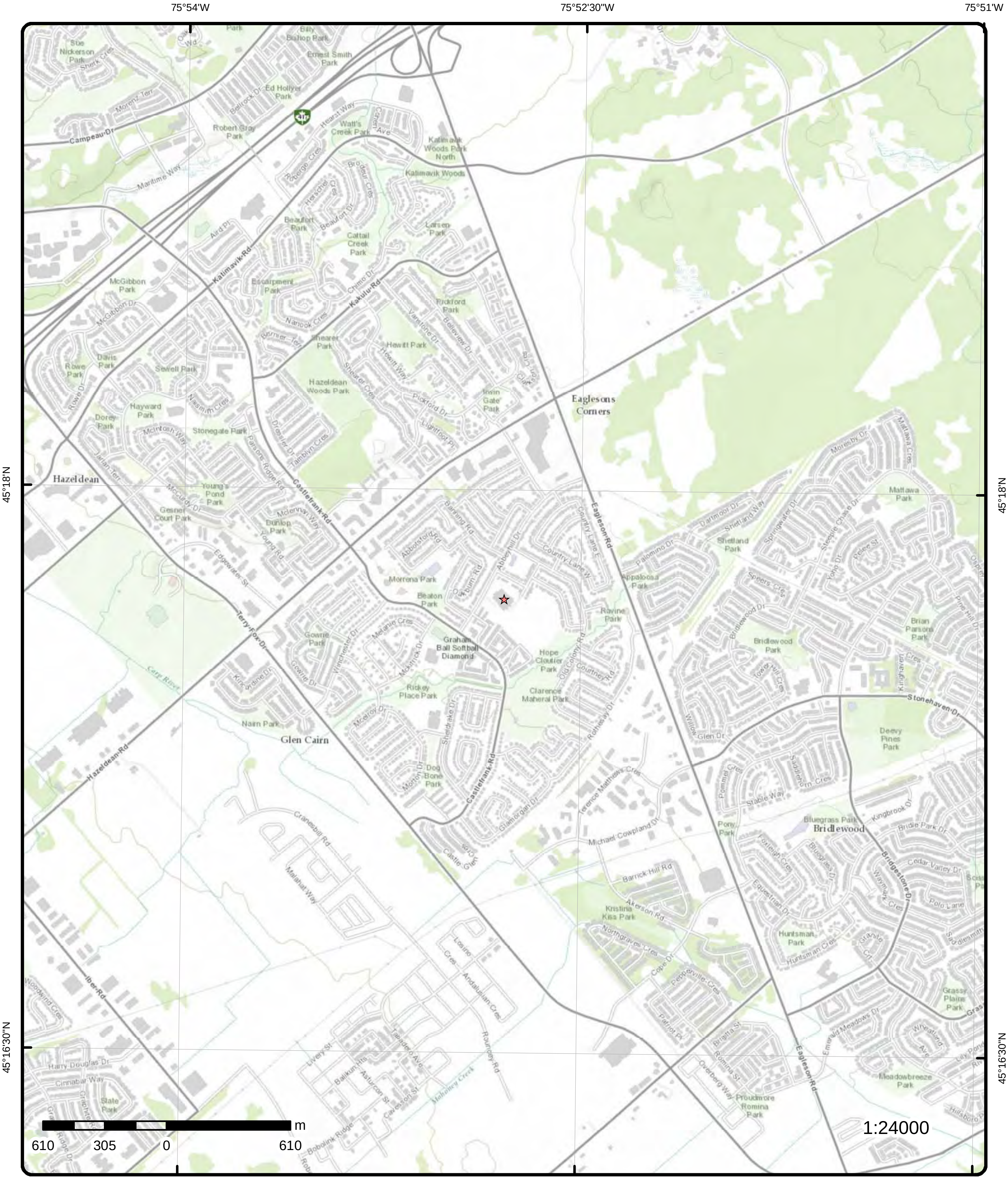
Aerial

Year: 2023

Order Number: 24051300989

Address: 150 Abbeyhill Dr, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: 150 Abbeyhill Dr, ON

Source: ESRI World Topographic Map

Order Number: 24051300989

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 12	-/0.0	106.9 / 0.00	Ottawa-Carleton District School Board 150 Abbeyhill Drive Nepean ON K2L 1H7	GEN

Generator No: ON5005100
SIC Code: 611110
SIC Description: Elementary and Secondary Schools
Approval Years: 07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 12	-/0.0	106.9 / 0.00	Ottawa-Carleton District School Board 150 Abbeyhill Drive Nepean ON	GEN

Generator No: ON5005100
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)

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

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: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

1	***3 of 12***	***-/0.0***	***106.9 / 0.00***	***Ottawa-Carleton District School Board*** ***150 Abbeyhill Drive*** ***Nepean ON***	***GEN***

Generator No: ON5005100
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: 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: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

1	***4 of 12***	***-/0.0***	***106.9 / 0.00***	***Ottawa-Carleton District School Board*** ***150 Abbeyhill Drive*** ***Nepean ON***	***GEN***

Generator No: ON5005100
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:

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

Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

1	***5 of 12***	***-/0.0***	***106.9 / 0.00***	***Ottawa-Carleton District School Board*** ***150 Abbeyhill Drive*** ***Nepean ON K2L 1H7***	***GEN***

Generator No: ON5005100
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: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

1	***6 of 12***	***-/0.0***	***106.9 / 0.00***	***Ottawa-Carleton District School Board*** ***150 Abbeyhill Drive*** ***Nepean ON***	***GEN***

Generator No: ON5005100
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: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	7 of 12	-/0.0	106.9 / 0.00	**Ottawa-Carleton District School Board** **150 Abbeyhill Drive** **Nepean ON K2L 1H7**	GEN

Generator No: ON5005100
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: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 221
Waste Class Name: LIGHT FUELS

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: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

1	8 of 12	-/0.0	106.9 / 0.00	Ottawa-Carleton District School Board 150 Abbeyhill Drive Nepean ON K2L 1H7	GEN

Generator No: ON5005100
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: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

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

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	9 of 12	-/0.0	106.9 / 0.00	Ottawa-Carleton District School Board 150 Abbeyhill Drive Nepean ON K2L 1H7	GEN

Generator No: ON5005100
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: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

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: 112
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	10 of 12	-/0.0	106.9 / 0.00	Ottawa-Carleton District School Board Health & Safety 150 Abbeyhill Drive Nepean ON K2L 1H7	GEN

Generator No: ON5005100
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: 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: 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 R
Waste Class Name: Misc. wastes and inorganic chemicals

Waste Class: 148 T
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: 252 L
Waste Class Name: Waste crankcase oils and lubricants

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: 264 L
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	11 of 12	-/0.0	106.9 / 0.00	Ottawa-Carleton District School Board Health & Safety 150 Abbeyhill Drive Nepean ON K2L 1H7	GEN

Generator No: ON5005100
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: 145 I
Waste Class Name: Wastes from the use of pigments, coatings and paints

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

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

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

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

Waste Class: 221 I
Waste Class Name: Light fuels

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

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

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

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

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

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

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

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

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

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

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

Waste Class: 264 L
Waste Class Name: Photoprocessing wastes

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	12 of 12	-/0.0	106.9 / 0.00	Ottawa-Carleton District School Board Health & Safety 150 Abbeyhill Drive Nepean ON K2L 1H7	GEN

Generator No: ON5005100
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: 148 C
Waste Class Name: Misc. wastes and inorganic chemicals

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

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

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

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

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

Waste Class: 264 L
Waste Class Name: Photoprocessing wastes

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

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

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

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

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

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

Waste Class: 221 I
Waste Class Name: Light fuels

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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NE/99.6	106.9 / 0.00	113 Sherwood Street 113 Sherwood St., Ottawa ON OTTAWA ON	SPL

Ref No: 1-3F0QOH
Year:
Incident Dt: 4/19/2023 3:19:00 PM
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/19/2023 3:19:00 PM
Dt Document Closed: 4/20/2023 9:46:07 AM
Site No:
MOE Response: Desktop Response
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa District Office
Nearest Watercourse:
Site Name: 113 Sherwood Street
Site Address: 113 Sherwood St., Ottawa ON
Site Region:
Site Municipality: OTTAWA
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause:
Incident Event: Leak/Break
Environment Impact: 0 No Impact
Nature of Impact:
Contaminant Qty: 1 other - see notes
System Facility Address:
Client Name: THE CORPORATION OF THE CITY OF OTTAWA
Client Type: Government, Municipal
Source Type: Other (specify)
Contaminant Code:
Contaminant Name: STYRENE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Land
Incident Reason: Lack of supervision
Incident Summary: CWW: residual styrene in sanitary sewer
Activity Preceding Spill: Maintenance
Property 2nd Watershed: 02K | Central Ottawa River
Property Tertiary Watershed: 02KF | Mississippi River - Central Ottawa River

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq: 0 No Impact
Agency Involved:

Sector Type:	WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION
SAC Action Class:	Waste (Exemptions)
Call Report Locatn Geodata:	{"integration_ids":["PR00003783849"],"wkts":["POINT (-75.8790748000 45.2956826000)"],"creation_date":"2023-04-19"}

3 **1 of 1** **SSW/139.0** **104.8 / -2.08** **350 CATHERINE ST. OTTAWA ON** **WWIS**

Well ID:	7296642	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Test Hole	**Data Entry Status:**	
Use 2nd:	Monitoring	**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	10/05/2017
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z258430	**Contractor:**	7241
Tag:	A211316	**Form Version:**	7
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:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	09/08/2017
Year Completed:	2017
Depth (m):	4.27
Latitude:	45.2939649449229
Longitude:	-75.8804098178724
Path:	

Bore Hole Information

Bore Hole ID:	1006759726	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	430966.00
Code OB Desc:		**North83:**	5015984.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	09/08/2017	**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:			

Overburden and Bedrock Materials Interval

Formation ID: 1006955581
Layer: 1
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.9100000262260437
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006955582
Layer: 2
Color: 2
General Color: GREY
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 0.9100000262260437
Formation End Depth: 1.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006955583
Layer: 3
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 06
Mat2 Desc: SILT
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 1.5
Formation End Depth: 4.269999980926514
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006955593
Layer: 3
Plug From: 0.9100000262260437
Plug To: 4.269999980926514
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006955591

Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006955592
Layer: 2
Plug From: 0.3100000023841858
Plug To: 0.9100000262260437
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006955590
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1006955580
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006955586
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 1.2200000286102295
Casing Diameter: 4.03000020980835
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006955587
Layer: 1
Slot: 10
Screen Top Depth: 1.2200000286102295
Screen End Depth: 4.269999980926514
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.820000171661377

Water Details

Water ID: 1006955585
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID:	1006955584
Diameter:	8.25
Depth From:	0.0
Depth To:	4.269999980926514
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1006759726	***Tag No:***	A211316
Depth M:	4.27	***Contractor:***	7241
Year Completed:	2017	***Latitude:***	45.2939649449229
Well Completed Dt:	09/08/2017	***Longitude:***	-75.8804098178724
Audit No:	Z258430	***Y:***	45.29396493867026
Path:	729\7296642.pdf	***X:***	-75.88040965674602

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4 ***1 of 1*** ***W/158.3*** ***106.8 / -0.07*** ***PIPELINE HIT - 1/2"*** ***PINC***
167 ABBEYHILL DRIVE,,OTTAWA,ON,K2L 2E9, CA
ON

Incident Id:		***Pipe Material:***	
Incident No:	1663970	***Fuel Category:***	
Incident Reported Dt:	6/16/2015	***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 - 1/2"		
Incident Address:	167 ABBEYHILL DRIVE,,OTTAWA,ON,K2L 2E9,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

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5 ***1 of 1*** ***ENE/168.1*** ***107.9 / 1.00*** ***J.M. FAIRCHILD VENTURES INC.*** ***CA***
PADDOCK WAY/OLD POST ROAD
KANATA CITY ON

Certificate #:	3-0125-93-
Application Year:	93
Issue Date:	2/24/1993
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	

Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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6 | ***1 of 1*** | ***SSW/180.0*** | ***104.9 / -2.00*** | ***KENNETH H SULLIVAN***
70 STOKES CRES
KANATA ON | ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No:	10452613	***Expired Date:***	
Status:	EXPIRED	***Max Hazard Rank:***	
Instance ID:	17992	***Facility Location:***	
Instance Type:	FS Highway Tank - Gas/Diesel	***Facility Type:***	
Instance Creation Dt:		***Fuel Type 2:***	
Instance Install Dt:		***Fuel Type 3:***	
Item Description:		***Panam Related:***	
Manufacturer:		***Panam Venue Nm:***	
Model:		***External Identifier:***	
Serial No:		***Item:***	
ULC Standard:		***Piping Steel:***	
Quantity:		***Piping Galvanized:***	
Unit of Measure:		***Tank Single Wall St:***	
Overfill Prot Type:		***Piping Underground:***	
Creation Date:		***Tank Underground:***	
Next Periodic Str DT:		***Source:***	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS HIGHWAY TANK - GASOLINE/DIESEL		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

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7 | ***1 of 2*** | ***WSW/190.2*** | ***105.6 / -1.31*** | ***Enbridge Gas Distribution Inc.***
behind 176 Abbey Hill Drive
Ottawa ON | ***SPL***

Ref No:	2627-B5WRFG	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	2018/10/26	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2018/10/26	***Health/Env Conseq:***	2 - Minor Environment
Dt Document Closed:		***Agency Involved:***	
Site No:	NA		
MOE Response:	No		
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	Residential<UNOFFICIAL>		
Site Address:	behind 176 Abbey Hill Drive		
Site Region:	Eastern		

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

Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause:
Incident Event: Leak/Break
Environment Impact:
Nature of Impact:
Contaminant Qty: 0 other - see incident description
System Facility Address:
Client Name: Enbridge Gas Distribution Inc.
Client Type: Corporation
Source Type: Pipeline/Components
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1075
Receiving Medium: Air
Incident Reason: Operator/Human Error
Incident Summary: TSSA 1.25 inch line damage, made safe
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Communal
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Call Report Locatn Geodata:

7	*2 of 2*	*WSW/190.2*	*105.6 / -1.31*	***PIPELINE HIT 1 1/4"*** ***176 ABBEYHILL DR,,OTTAWA,ON,K2L 2E9,CA*** ***ON***	*PINC*

Incident Id:
Incident No: 2428968
Incident Reported Dt: 10/29/2018
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: PIPELINE HIT 1 1/4"
Incident Address: 176 ABBEYHILL DR,,OTTAWA,ON,K2L 2E9,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:
Pipe Material:
Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interrupt:
Enforce Policy:
Public Relation:
Pipeline System:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

8	*1 of 2*	*E/200.0*	*106.8 / -0.03*	***PRO PAVINGSTONE INC.*** ***123 POST RD,,KANATA,ON,K2L 1L1,CA***	*PINC*

Incident Id:		**Pipe Material:**	
Incident No:	1680824	**Fuel Category:**	
Incident Reported Dt:	7/14/2015	**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: PRO PAVINGSTONE INC.
Incident Address: 123 POST RD,,KANATA,ON,K2L 1L1,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	2 of 2	E/200.0	106.8 / -0.03	123 Post Road Ottawa ON	SPL

Ref No:	7600-9YDMXT	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	7/13/2015	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	7/13/2015	**Health/Env Conseq:**	
Dt Document Closed:	8/26/2015	**Agency Involved:**	

Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: spill <UNOFFICIAL>
Site Address: 123 Post Road
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause:
Incident Event:
Environment Impact:
Nature of Impact:
Contaminant Qty: 1 number (count)
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code: 35
Contaminant Name: METHANE GAS, COMPRESSED (NATURAL GAS)

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

Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Incident Reason: Operator/Human Error
Incident Summary: TSSA: 123 Post Rd, line strike made safe
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Communal
SAC Action Class: Notifications
Call Report Locatn Geodata:

9	1 of 1	SW/221.8	104.8 / -2.03	MAXI BRITE CLEANERS 100 CASTLEFRANK ROAD KANATA ON K2L 2V6	GEN

Generator No: ON1949800
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER
Approval Years: 94,95,96,97,98,99,00,01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

10	1 of 1	W/222.7	107.6 / 0.69	KANATA HYDRO 140 OAKBURN AVE. TRANSFORMER KANATA CITY ON K2L 1E3	SPL

Ref No: 154590
Year:
Incident Dt: 4/12/1998
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/15/1998
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: KANATA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: COOLING SYSTEM LEAK
Municipality No: 20103
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

Incident Event:	
Environment Impact:	CONFIRMED
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:	DAMAGE BY MOVING EQUIPMENT
Incident Summary:	KANATA HYDRO - 25L PCB TRANSFORMER OIL TO GROUND CLEANED.
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	

Unplottable Summary

Total: 6 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	KANATA CITY-PT. LOT 32, CONC. II	OLD COLONY RD.	KANATA CITY ON	
PINC	PIPELINE HIT - 1/2"	DES SOLDATES ST,,OTTAWA,ON,,CA	ON	
WWIS		lot 32	ON	
WWIS		lot 31	ON	
WWIS		lot 31	ON	
WWIS		lot 32	ON	

Unplottable Report

Site: ***KANATA CITY-PT. LOT 32, CONC. II***
OLD COLONY RD. KANATA CITY ON

Database: ***CA***

Certificate #:	3-1650-90-
Application Year:	90
Issue Date:	9/5/1990
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***PIPELINE HIT - 1/2"***
DES SOLDATES ST,,OTTAWA,ON,,CA ON

Database: ***PINC***

Incident Id:		***Pipe Material:***	
Incident No:	1923654	***Fuel Category:***	
Incident Reported Dt:	8/16/2016	***Health Impact:***	
Type:	FS-Pipeline Incident	***Environment Impact:***	
Status Code:		***Property Damage:***	
Tank Status:	Non Mandated	***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 - 1/2"		
Incident Address:	DES SOLDATES ST,,OTTAWA,ON,,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

Site:
lot 32 ON

Database: ***WWIS***

Well ID:	1531568	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:		***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Dewatering	***Date Received:***	11/17/2000
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	224542	***Contractor:***	1414
Tag:		***Form Version:***	1

Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	032
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:	OTTAWA CITY		
Site Info:			

Bore Hole Information

Bore Hole ID:	10053102	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/06/2000	***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:	931078875
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	34
Mat3 Desc:	TILL
Formation Top Depth:	12.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931078873
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	01
Mat3 Desc:	FILL
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931078876
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	71
Mat2 Desc:	FRACTURED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	23.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931078874
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	3.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116739
Layer:	1
Plug From:	0.0
Plug To:	15.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531568
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10601672
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930092999
Layer:	1
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: 930093000
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 10.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930093001
Layer: 3
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531568
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 10.0
Recommended Pump Depth: 20.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
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: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934915010
Test Type: Recovery
Test Duration: 60
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658119
Test Type: Recovery
Test Duration: 45
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397184
Test Type: Recovery
Test Duration: 30
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934113985
Test Type: Recovery
Test Duration: 15
Test Level: 10.0
Test Level UOM: ft

Water Details

Water ID: 933492078
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 22.0
Water Found Depth UOM: ft

Water Details

Water ID: 933492077
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 17.0
Water Found Depth UOM: ft

Site:
lot 31 ON

Database:
WWIS

Well ID: 1528149
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149112
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/30/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 031
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049688
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/27/1994

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
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: 931068738
Layer: 2
Color: 2
General Color: GREY
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068740
Layer: 4
Color: 6
General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068741
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 74
Mat2 Desc: LAYERED
Mat3:
Mat3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068737
Layer: 1
Color: 8

General Color: BLACK
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068739
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113003
Layer: 1
Plug From: 3.0
Plug To: 7.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113005
Layer: 3
Plug From: 9.0
Plug To: 20.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113004
Layer: 2
Plug From: 7.0
Plug To: 9.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528149
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598258
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086839
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 20.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326495
Layer: 1
Slot: 010
Screen Top Depth: 10.0
Screen End Depth: 20.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Site:
lot 31 ON

Database: ***WWIS***

Well ID: 1534734
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Not A Well
Water Type:
Casing Material:
Audit No: 265833
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/10/2004
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6907
Form Version: 2
Owner:
County: OTTAWA-CARLETON
Lot: 031
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097509
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/31/2004
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:

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

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 932942463
Layer: 1
Color:
General Color:
Mat1: 24
Most Common Material: PREV. DRILLED
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961534734
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11101224
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 991534734
Pump Set At:
Static Level: 8.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Site:
lot 32 ON

Database: ***WWIS***

Well ID: 1536399
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 06/19/2006
Selected Flag: TRUE

Casing Material:		***Abandonment Rec:***	Yes
Audit No:	Z34812	***Contractor:***	6964
Tag:		***Form Version:***	3
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	032
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:	15000		
Site Info:			

Bore Hole Information

Bore Hole ID:	11550465	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05/06/2006	***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:	933057971
Layer:	2
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.7699999809265137
Formation End Depth:	4.869999885559082
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933057970
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	0.7699999809265137
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933293796
Layer:	1
Plug From:	0.0
Plug To:	0.5
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933293797
Layer:	2
Plug From:	0.5
Plug To:	4.869999885559082
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536399
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	11560072
Casing No:	1
Comment:	
Alt Name:	

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-Mar 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 - Mar 31, 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-Mar 31, 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 - Mar 31, 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-Mar 31, 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-Mar 2024

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 - Mar 31, 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-Mar 31, 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 Handlers 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 - Mar 31, 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-Mar 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, 2021

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-Mar 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

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

HISTORICAL AERIALS

Project Property: AY Jackson Secondary School
150 Abbeyhill Dr
Ottawa ON K2L 1H7

Project No: ER1086

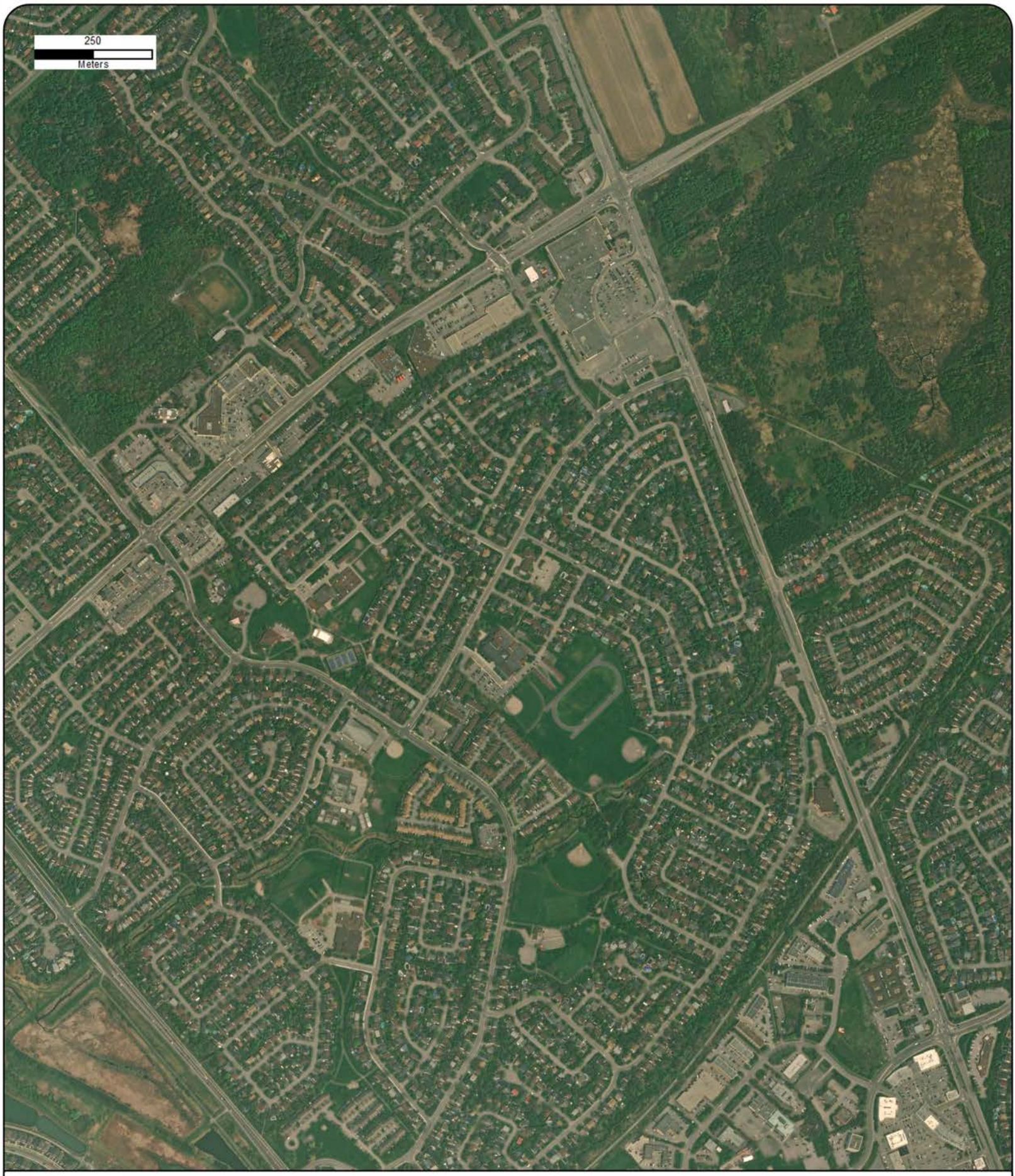
Requested By: CM3 Environmental Inc.

Order No: 24051300989

Date Completed: May 16,2024

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	
2010	Decade Coverage Unavailable	10,000	
2001	National Air Photo Library	10,000	
1993	National Air Photo Library	10,000	
1983	National Air Photo Library	10,000	
1973	National Air Photo Library	10,000	
1965	National Air Photo Library	10,000	
1953	National Air Photo Library	10,000	
1945	National Air Photo Library	10,000	
1932	National Air Photo Library	10,000	
1920	Decade Coverage Unavailable	10,000	



Year: 2023
Source: MAXAR
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

Year: 2001
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

Year: 1993
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

250
Meters

Year: 1983
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

Year: 1973
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

Year: 1965
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

Year: 1953
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

Year: 1945
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

Year: 1932
Source: NAPL
Scale: 10,000
Comment:

Address: 150 Abbeyhill Dr, Ottawa, ON
Approx Center: -75.8798229,45.2951457

Order No: 24051300989

ERIS

APPENDIX H

ERIS PHYSICAL SETTING REPORT

Phase One Environmental Site Assessment

150 Abbeyhill Drive

Kanata, Ontario

Ottawa-Carleton District School Board

ER1086

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		24051300989p
Date Completed:		May 14, 2024
Project Number:		ER1086
Project Property:		AY Jackson Secondary School 150 Abbeyhill Dr Ottawa ON K2L 1H7
Coordinates:		
	Latitude:	45.2951457
	Longitude:	-75.8798229
	UTM Northing:	5016115.67585 Metres
	UTM Easting:	431013.276348 Metres
	UTM Zone:	UTM Zone 18T
	Elevation:	106.88 m
	Slope Direction:	S

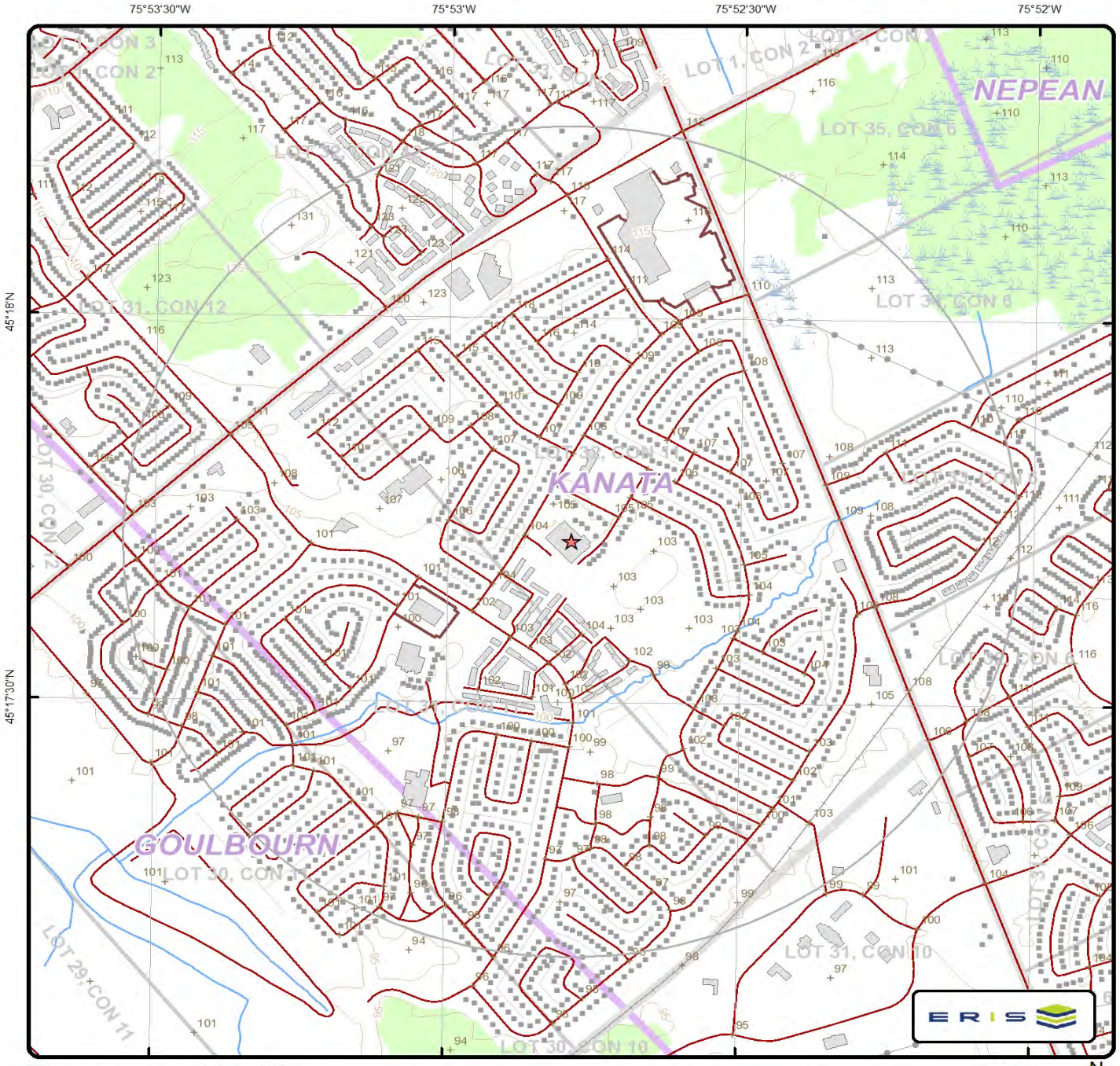
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography as well as hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, and 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: 150 Abbeyhill Dr,Ottawa,ON

0 0.2 0.4 0.8 KM

N

Legend

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
	Building to Scale	Land Ownership	

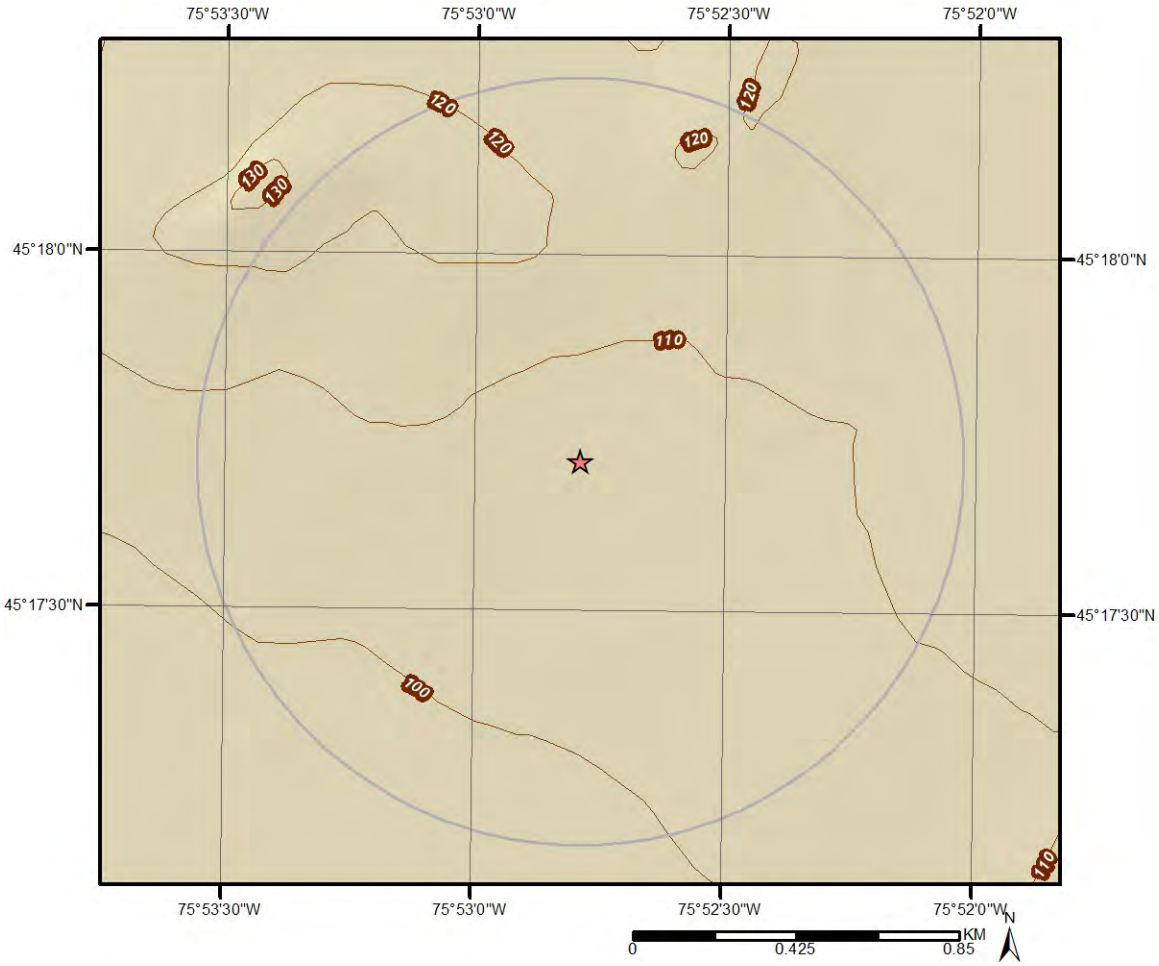
Data source: Ontario Base Mapping (OBM) by Ontario Ministry of Natural Resources.

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:	106.88 m
Slope Direction:	S



Hydrologic Information

Wetland

This map shows wetland existence. Data coverage is shown to the right.
Gray indicates no data available in the area.

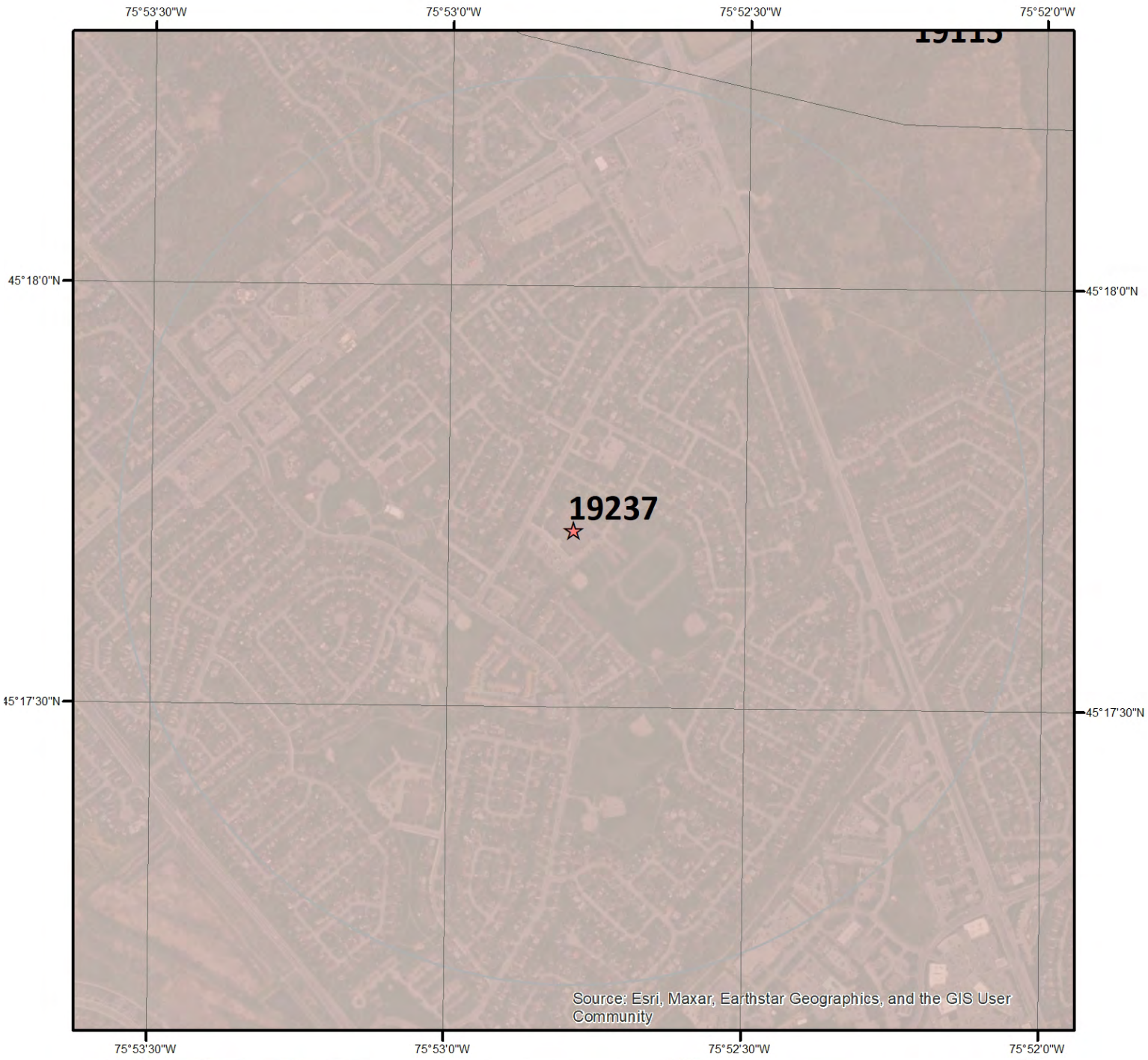
0 0.125 0.25 0.5 0.75 KM

N

PSW	Forested Peatland	Peatland Fen	Shrub Wetland
Evaluated PSW	Freshwater Marsh	Peatland Forested	Swamp
Aquatic Bed	Land Locked Pond	Salt or Brackish Marsh	Unknown
Bog	Marsh	Salt Water	Water
Bog or Fen	No Open Water or Marsh Component	Sand Dune	Wet Meadow
Coastal Marsh	Open Water or Marsh Component	Salt Marsh	Wetland
Fen	Open Water	Shallow / Open Water	
Forested Wetland	Peatland Bog	Shallow Water	

ERIS

Geologic Information

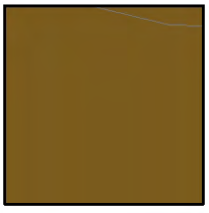


Bedrock Geology

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

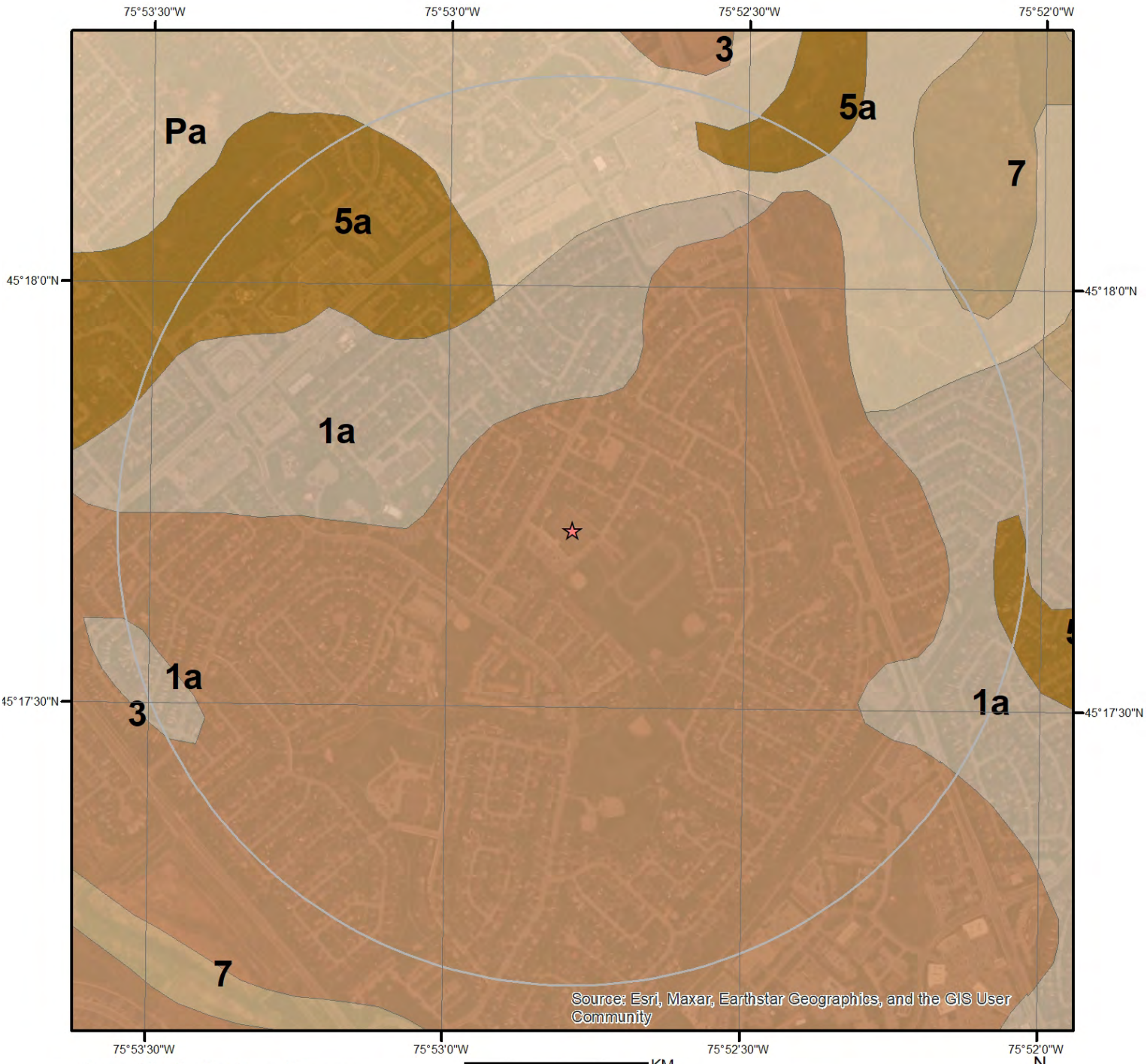
Geologic Information

Detailed bedrock geology information about each unit within the search radius is provided below.

Unit ID 19237

Unit Name:	
Rock Type:	Limestone, dolostone, shale, arkose, sandstone
Strata:	Ottawa Group; Simcoe Group; Shadow Lake Formation
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:	MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN)
Province:	
Tectonic Zone:	

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 Pa

Geological Deposit:	Bedrock
Deposit Age:	Paleozoic
Primary Material:	Paleozoic 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:	Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occuring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) 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.

Unit ID 5a

Geological Deposit:	Nearshore sediments
Deposit Age:	Quaternary (Champlain Sea)

Geologic Information

Primary Material:	sand, gravel
Secondary Material:	
Primary General:	glaciomarine
Primary General Modifier:	littoral/foreshore
Veneer:	
Episode:	Wisconsin
Sub Episode:	Michigan
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	High
Material Description:	Gravel, sand and boulders; beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders where developed from till and glaciofluvial deposits; slabs and shingles where developed from sedimentary bedrock).

Unit ID 7

Geological Deposit:	Organic deposits
Deposit Age:	Recent
Primary Material:	organic deposits
Secondary Material:	
Primary General:	wetland
Primary General Modifier:	
Veneer:	
Episode:	Hudson
Sub Episode:	
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	High
Material Description:	Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

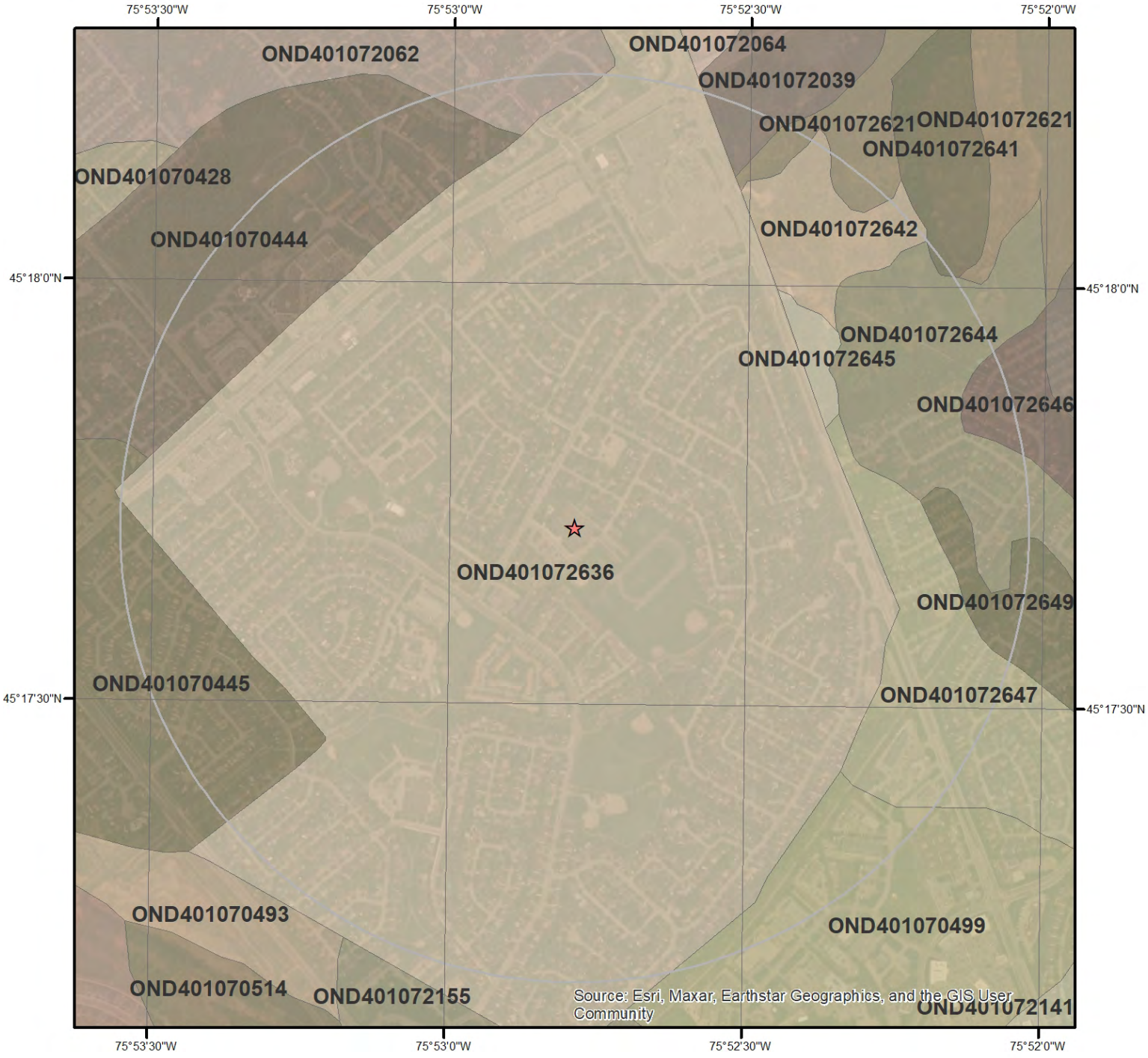
Unit ID 1a

Geological Deposit:	Till
Deposit Age:	Quaternary
Primary Material:	diamicton
Secondary Material:	
Primary General:	glacial
Primary General Modifier:	
Veneer:	
Episode:	Wisconsin
Sub Episode:	Michigan
Strata Modifier:	Surface
Provenance:	N-NE
Carbon Content:	

Geologic Information

Formation:	Undifferentiated silty-sandy till on Paleozoic terrain
Permeability:	Low-Medium
Material Description:	Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a discontinuous lag consisting of gravel, sand and boulders

Soil Information



Soil Map

0 0.2 0.4 0.8 KM

N

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: OND401072646

Component

Component ID:	OND40107264601	**Components(%):**	70
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Very stony		

Component Rating

Field Crops Capability:	Natural grazing only; no improvements feasible.
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:	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:	OND40107264602	**Components(%):**	30
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	1.2

Soil Information

Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Very stony		

Component Rating

Field Crops Capability:	Severe limitations on use for crops.
First CLI Limitation Subclass:	Presence of consolidated bedrock within one metre of the soil surface
Second CLI Limitation Subclass:	
Drainage:	Poorly
Soil Texture of A Horizon:	moderately coarse sandy loam
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:	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: ONDA01070499

Component

Component ID:	ONDA0107049901	**Components(%):**	100
Soil Name ID:	ONNGW~~~~~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:	

Soil Information

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:	NORTH GOWER
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:	Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	9
Horizon:	Ap	**Total Sand(%):**	43
Depth(cm):	0-25	**Total Silt(%):**	41
pH in Calc Chloride:	7.3	**Total Clay(%):**	16
Saturated Hydraulic Conductivity(cm/h):	1.375	**Organic Carbon(%):**	3.9
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	9
Horizon:	Bgj	**Total Sand(%):**	45
Depth(cm):	25-37	**Total Silt(%):**	40
pH in Calc Chloride:	7.4	**Total Clay(%):**	15
Saturated Hydraulic Conductivity(cm/h):	0.752	**Organic Carbon(%):**	3.3
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	5
Horizon:	Cg	**Total Sand(%):**	20
Depth(cm):	37-100	**Total Silt(%):**	63
pH in Calc Chloride:	7.3	**Total Clay(%):**	17
Saturated Hydraulic Conductivity(cm/h):	0.29	**Organic Carbon(%):**	0.5

Soil Information

Electrical Conductivity (dS/m):	0

Polygon ID:	OND401072641

Component

Component ID:	OND40107264101	**Components(%):**	100
Soil Name ID:	ONZOR~~~~~N	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

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

Soil Information

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		

Polygon ID: OND401072062

Component

Component ID:	OND40107206201	**Components(%):**	70
Soil Name ID:	ONFWF~~~~~N	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability:	Natural grazing only; no improvements feasible.
First CLI Limitation Subclass:	Presence of consolidated bedrock within one metre of the soil surface
Second CLI Limitation Subclass:	
Drainage:	Imperfectly
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:	FALLOWFIELD
Kind of Surface Material:	Mineral
Soil Drainage Class:	Imperfectly 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:	Fragmental; Not Applicable; Not Applicable

Soil Information

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(%):**	9
Horizon:	Ah	**Total Sand(%):**	56
Depth(cm):	0-22	**Total Silt(%):**	35
pH in Calc Chloride:	6.3	**Total Clay(%):**	9
Saturated Hydraulic Conductivity(cm/h):	3.33	**Organic Carbon(%):**	2.8
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	8
Horizon:	Bm	**Total Sand(%):**	53
Depth(cm):	22-38	**Total Silt(%):**	36
pH in Calc Chloride:	6.9	**Total Clay(%):**	11
Saturated Hydraulic Conductivity(cm/h):	1.748	**Organic Carbon(%):**	1.1
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	17
Horizon:	Bmgj	**Total Sand(%):**	70
Depth(cm):	38-56	**Total Silt(%):**	22
pH in Calc Chloride:	7.2	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	3.405	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	16
Horizon:	Cg	**Total Sand(%):**	71
Depth(cm):	56-60	**Total Silt(%):**	22
pH in Calc Chloride:	7.3	**Total Clay(%):**	7
Saturated Hydraulic Conductivity(cm/h):	2.494	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Layer No:	5	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9
Depth(cm):	60-100	**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		

Soil Information

Component

Component ID:	OND40107206202	**Components(%):**	30
Soil Name ID:	ONFRM~~~~~N	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability:	Natural grazing only; no improvements feasible.
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:	medium - moderately fine loam
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:	FARMINGTON
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:	Fragmental; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	19
Horizon:	Ah	**Total Sand(%):**	44
Depth(cm):	0-21	**Total Silt(%):**	44
pH in Calc Chloride:	7.2	**Total Clay(%):**	12
Saturated Hydraulic Conductivity(cm/h):	1.969	**Organic Carbon(%):**	3.7
Electrical Conductivity (dS/m):	0		

Soil Information

Layer No:	2	**Very Fine Sand(%):**	13
Horizon:	Bm	**Total Sand(%):**	49
Depth(cm):	21-38	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	6
Saturated Hydraulic Conductivity(cm/h):	3.014	**Organic Carbon(%):**	3.1
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	19
Horizon:	C	**Total Sand(%):**	57
Depth(cm):	38-50	**Total Silt(%):**	36
pH in Calc Chloride:	7	**Total Clay(%):**	7
Saturated Hydraulic Conductivity(cm/h):	1.979	**Organic Carbon(%):**	1.3
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9
Depth(cm):	50-100	**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: ONDA01072636

Component

Component ID:	ONDA0107263601	**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 Information

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: OND401072649

Component

Component ID:	ONDA0107264901	**Components(%):**	100
Soil Name ID:	ONOKA~~~~~A	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability:	Severe limitations on use for crops.
First CLI Limitation Subclass:	Low inherent soil Fertility
Second CLI Limitation Subclass:	Low inherent Moisture holding capacity
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel.

Soil Name

Soil Name:	OKA
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Never
Layer that Restricts Root Growth:	No root restricting layer

Soil Information

Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Very Coarse; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	9
Horizon:	Apk	**Total Sand(%):**	70
Depth(cm):	0-12	**Total Silt(%):**	22
pH in Calc Chloride:	6.9	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	5.409	**Organic Carbon(%):**	4
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	9
Horizon:	Bmk	**Total Sand(%):**	71
Depth(cm):	12-30	**Total Silt(%):**	20
pH in Calc Chloride:	7.2	**Total Clay(%):**	9
Saturated Hydraulic Conductivity(cm/h):	3.079	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	3
Horizon:	Ck	**Total Sand(%):**	91
Depth(cm):	30-100	**Total Silt(%):**	6
pH in Calc Chloride:	7.3	**Total Clay(%):**	3
Saturated Hydraulic Conductivity(cm/h):	6.109	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072647

Component

Component ID:	OND40107264701	**Components(%):**	70
Soil Name ID:	ONCRP~~~~~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:	Presence of adverse Topography
Second CLI Limitation Subclass:	
Drainage:	Imperfectly
Soil Texture of A Horizon:	clay loam
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:	CARP
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:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	22
Horizon:	Ap	**Total Sand(%):**	28
Depth(cm):	0-28	**Total Silt(%):**	46
pH in Calc Chloride:	5.8	**Total Clay(%):**	26
Saturated Hydraulic Conductivity(cm/h):	0.568	**Organic Carbon(%):**	3.5
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	19
Horizon:	Bmgj	**Total Sand(%):**	21
Depth(cm):	28-43	**Total Silt(%):**	48
pH in Calc Chloride:	6.3	**Total Clay(%):**	31
Saturated Hydraulic Conductivity(cm/h):	0.288	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	18
Horizon:	Bmgj	**Total Sand(%):**	20
Depth(cm):	43-70	**Total Silt(%):**	49
pH in Calc Chloride:	6.6	**Total Clay(%):**	31

Soil Information

Saturated Hydraulic Conductivity(cm/h):	0.287	**Organic Carbon(%):**	0.3
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	17
Horizon:	BCg	**Total Sand(%):**	17
Depth(cm):	70-95	**Total Silt(%):**	50
pH in Calc Chloride:	6.8	**Total Clay(%):**	33
Saturated Hydraulic Conductivity(cm/h):	1.932	**Organic Carbon(%):**	0.3
Electrical Conductivity (dS/m):	0		

Layer No:	5	**Very Fine Sand(%):**	17
Horizon:	Cg	**Total Sand(%):**	18
Depth(cm):	95-115	**Total Silt(%):**	48
pH in Calc Chloride:	6.9	**Total Clay(%):**	34
Saturated Hydraulic Conductivity(cm/h):	0.214	**Organic Carbon(%):**	0.2
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107264702	**Components(%):**	30
Soil Name ID:	ONGBG~~~~~A	**Slope Steepness(%):**	3.5
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Moderately stony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	Presence of a combination of the Subclasses F and M, or, the presence of a combination of the Subclasses
Second CLI Limitation Subclass:	Presence of adverse Topography
Drainage:	Well
Soil Texture of A Horizon:	moderately coarse sandy loam
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:	GALESBURG
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained

Soil Information

Water Table Charateristics:	Never
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Moderately 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(%):**	11
Horizon:	Ap	**Total Sand(%):**	67
Depth(cm):	0-23	**Total Silt(%):**	20
pH in Calc Chloride:	6.1	**Total Clay(%):**	13
Saturated Hydraulic Conductivity(cm/h):	2.731	**Organic Carbon(%):**	3.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	11
Horizon:	Bm	**Total Sand(%):**	73
Depth(cm):	23-50	**Total Silt(%):**	20
pH in Calc Chloride:	5.5	**Total Clay(%):**	7
Saturated Hydraulic Conductivity(cm/h):	3.936	**Organic Carbon(%):**	1
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	13
Horizon:	C	**Total Sand(%):**	68
Depth(cm):	50-100	**Total Silt(%):**	23
pH in Calc Chloride:	5.9	**Total Clay(%):**	9
Saturated Hydraulic Conductivity(cm/h):	1.883	**Organic Carbon(%):**	0.4
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072645

Component

Component ID:	OND40107264501	**Components(%):**	100
Soil Name ID:	ONNGW~~~~~A	**Slope Steepness(%):**	1.2
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Nonstony		

Soil Information

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:	NORTH GOWER
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:	Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	9
Horizon:	Ap	**Total Sand(%):**	43
Depth(cm):	0-25	**Total Silt(%):**	41
pH in Calc Chloride:	7.3	**Total Clay(%):**	16
Saturated Hydraulic Conductivity(cm/h):	1.375	**Organic Carbon(%):**	3.9
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	9
Horizon:	Bgj	**Total Sand(%):**	45
Depth(cm):	25-37	**Total Silt(%):**	40
pH in Calc Chloride:	7.4	**Total Clay(%):**	15
Saturated Hydraulic Conductivity(cm/h):	0.752	**Organic Carbon(%):**	3.3
Electrical Conductivity (dS/m):	0		

Soil Information

Layer No:	3	**Very Fine Sand(%):**	5
Horizon:	Cg	**Total Sand(%):**	20
Depth(cm):	37-100	**Total Silt(%):**	63
pH in Calc Chloride:	7.3	**Total Clay(%):**	17
Saturated Hydraulic Conductivity(cm/h):	0.29	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072644

Component

Component ID:	OND40107264401	**Components(%):**	70
Soil Name ID:	ONQWYSH~~~A	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Very stony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
First CLI Limitation Subclass:	Presence of surface stones > 15 cm diameter.
Second CLI Limitation Subclass:	
Drainage:	Well
Soil Texture of A Horizon:	moderately coarse sandy loam
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:	QUEENSWAY
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Never
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Fragmental; 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 Information

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	15
Horizon:	Ap	**Total Sand(%):**	61
Depth(cm):	0-37	**Total Silt(%):**	31
pH in Calc Chloride:	7.2	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	3.765	**Organic Carbon(%):**	2.4
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	15
Horizon:	Bm	**Total Sand(%):**	59
Depth(cm):	37-53	**Total Silt(%):**	33
pH in Calc Chloride:	7.3	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	2.843	**Organic Carbon(%):**	1.1
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	15
Horizon:	CK	**Total Sand(%):**	46
Depth(cm):	53-70	**Total Silt(%):**	47
pH in Calc Chloride:	7.5	**Total Clay(%):**	7
Saturated Hydraulic Conductivity(cm/h):	1.568	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9
Depth(cm):	70-100	**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:	OND40107264402	**Components(%):**	30
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	3.5
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Exceedingly stony		

Component Rating

Field Crops Capability: Natural grazing only; no improvements feasible.

Soil Information

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:	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:	OND401072642

Component

Component ID:	OND40107264201	**Components(%):**	70
Soil Name ID:	ONGVISH~~~A	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Moderately stony		

Component Rating

Field Crops Capability:	moderately severe limitations on use for crops.
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:	medium - moderately fine loam
Hydrological Soil Groups:	Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.

Soil Information

Soil Name

Soil Name:	GRENVILLE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Never
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Medium; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	15
Horizon:	Ap	**Total Sand(%):**	61
Depth(cm):	0-37	**Total Silt(%):**	31
pH in Calc Chloride:	7.2	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	3.765	**Organic Carbon(%):**	2.4
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	15
Horizon:	Bm	**Total Sand(%):**	59
Depth(cm):	37-53	**Total Silt(%):**	33
pH in Calc Chloride:	7.3	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	2.843	**Organic Carbon(%):**	1.1
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	15
Horizon:	CK	**Total Sand(%):**	45
Depth(cm):	53-70	**Total Silt(%):**	48
pH in Calc Chloride:	7.5	**Total Clay(%):**	7
Saturated Hydraulic Conductivity(cm/h):	1.568	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9
Depth(cm):	70-100	**Total Silt(%):**	-9
pH in Calc Chloride:	Not applicable	**Total Clay(%):**	-9
Saturated Hydraulic Conductivity(cm/h):	Not applicable	**Organic Carbon(%):**	Not applicable

Soil Information

Electrical Conductivity (dS/m):	Not applicable

Component

Component ID:	OND40107264202	**Components(%):**	30
Soil Name ID:	ONIID~~~~~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:	IRONSIDE
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:	Medium; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Fluvial; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	11
Horizon:	Ap	**Total Sand(%):**	78
Depth(cm):	0-15	**Total Silt(%):**	13
pH in Calc Chloride:	7.2	**Total Clay(%):**	9
Saturated Hydraulic Conductivity(cm/h):	3.89	**Organic Carbon(%):**	1.7

Soil Information

Electrical Conductivity (dS/m):	0		
Layer No:	2	**Very Fine Sand(%):**	12
Horizon:	Bm	**Total Sand(%):**	88
Depth(cm):	15-29	**Total Silt(%):**	8
pH in Calc Chloride:	7.4	**Total Clay(%):**	4
Saturated Hydraulic Conductivity(cm/h):	6.65	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		
Layer No:	3	**Very Fine Sand(%):**	17
Horizon:	BC	**Total Sand(%):**	55
Depth(cm):	29-48	**Total Silt(%):**	33
pH in Calc Chloride:	7.5	**Total Clay(%):**	12
Saturated Hydraulic Conductivity(cm/h):	1.428	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		
Layer No:	4	**Very Fine Sand(%):**	19
Horizon:	Ck	**Total Sand(%):**	54
Depth(cm):	48-100	**Total Silt(%):**	39
pH in Calc Chloride:	8	**Total Clay(%):**	7
Saturated Hydraulic Conductivity(cm/h):	2.465	**Organic Carbon(%):**	0.4
Electrical Conductivity (dS/m):	0		

Polygon ID: ONND401072621

Component

Component ID:	OND40107262101	**Components(%):**	70
Soil Name ID:	ONFRM~~~~~N	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Very stony		

Component Rating

Field Crops Capability:	Natural grazing only; no improvements feasible.
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:	medium - moderately fine loam

Soil Information

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:	FARMINGTON
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:	Fragmental; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Till (Morainal); Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	19
Horizon:	Ah	**Total Sand(%):**	44
Depth(cm):	0-21	**Total Silt(%):**	44
pH in Calc Chloride:	7.2	**Total Clay(%):**	12
Saturated Hydraulic Conductivity(cm/h):	1.969	**Organic Carbon(%):**	3.7
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	13
Horizon:	Bm	**Total Sand(%):**	49
Depth(cm):	21-38	**Total Silt(%):**	45
pH in Calc Chloride:	7.1	**Total Clay(%):**	6
Saturated Hydraulic Conductivity(cm/h):	3.014	**Organic Carbon(%):**	3.1
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	19
Horizon:	C	**Total Sand(%):**	57
Depth(cm):	38-50	**Total Silt(%):**	36
pH in Calc Chloride:	7	**Total Clay(%):**	7
Saturated Hydraulic Conductivity(cm/h):	1.979	**Organic Carbon(%):**	1.3
Electrical Conductivity (dS/m):	0		

Layer No:	4	**Very Fine Sand(%):**	-9
Horizon:	R	**Total Sand(%):**	-9

Soil Information

Depth(cm):	50-100	**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:	OND40107262102	**Components(%):**	30
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	1.2
Component No:	2	**Slope Length(m):**	-9
Surface Stoniness Class:	Very stony		

Component Rating

Field Crops Capability:	Natural grazing only; no improvements feasible.
First CLI Limitation Subclass:	Presence of consolidated bedrock within one metre of the soil surface
Second CLI Limitation Subclass:	
Drainage:	Imperfectly
Soil Texture of A Horizon:	medium - moderately fine loam
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:	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: OND401072039

Component

Soil Information

Component ID:	OND40107203901	**Components(%):**	100
Soil Name ID:	ONZUN~~~~~N	**Slope Steepness(%):**	3.5
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Moderately stony		

Component Rating

Field Crops Capability:	Very severe limitations preclude annual cultivation; improvements feasible.
First CLI Limitation Subclass:	Presence of a combination of the Subclasses F and M, or, the presence of a combination of the Subclasses
Second CLI Limitation Subclass:	Presence of consolidated bedrock within one metre of the soil surface
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:	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: OND401070445

Component

Component ID:	OND40107044501	**Components(%):**	70
Soil Name ID:	ONBIV~~~~~A	**Slope Steepness(%):**	1.2
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:	
Second CLI Limitation Subclass:	
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

Soil Information

Saturated Hydraulic Conductivity(cm/h):	0.683	**Organic Carbon(%):**	0.1
Electrical Conductivity (dS/m):	0		

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:	OND40107044502	**Components(%):**	30
Soil Name ID:	ONNGW~~~~~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:	
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:	NORTH GOWER
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly 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:	Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	9
Horizon:	Ap	**Total Sand(%):**	43
Depth(cm):	0-25	**Total Silt(%):**	41
pH in Calc Chloride:	7.3	**Total Clay(%):**	16
Saturated Hydraulic Conductivity(cm/h):	1.375	**Organic Carbon(%):**	3.9
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	9
Horizon:	Bgj	**Total Sand(%):**	45
Depth(cm):	25-37	**Total Silt(%):**	40
pH in Calc Chloride:	7.4	**Total Clay(%):**	15
Saturated Hydraulic Conductivity(cm/h):	0.752	**Organic Carbon(%):**	3.3
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	5
Horizon:	Cg	**Total Sand(%):**	20
Depth(cm):	37-100	**Total Silt(%):**	63
pH in Calc Chloride:	7.3	**Total Clay(%):**	17
Saturated Hydraulic Conductivity(cm/h):	0.29	**Organic Carbon(%):**	0.5
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401070444

Component

Component ID:	OND40107044401	**Components(%):**	100
Soil Name ID:	ONOKA~~~~~A	**Slope Steepness(%):**	7
Component No:	1	**Slope Length(m):**	-9
Surface Stoniness Class:	Slightly stony		

Soil Information

Component Rating

Field Crops Capability:	Severe limitations on use for crops.
First CLI Limitation Subclass:	Low inherent soil Fertility
Second CLI Limitation Subclass:	Low inherent Moisture holding capacity
Drainage:	Well
Soil Texture of A Horizon:	
Hydrological Soil Groups:	Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel.

Soil Name

Soil Name:	OKA
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Charateristics:	Never
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Very Coarse; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	**Very Fine Sand(%):**	9
Horizon:	Apk	**Total Sand(%):**	70
Depth(cm):	0-12	**Total Silt(%):**	22
pH in Calc Chloride:	6.9	**Total Clay(%):**	8
Saturated Hydraulic Conductivity(cm/h):	5.409	**Organic Carbon(%):**	4
Electrical Conductivity (dS/m):	0		

Layer No:	2	**Very Fine Sand(%):**	9
Horizon:	Bmk	**Total Sand(%):**	71
Depth(cm):	12-30	**Total Silt(%):**	20
pH in Calc Chloride:	7.2	**Total Clay(%):**	9
Saturated Hydraulic Conductivity(cm/h):	3.079	**Organic Carbon(%):**	0.6
Electrical Conductivity (dS/m):	0		

Layer No:	3	**Very Fine Sand(%):**	3

Soil Information

Horizon:	Ck	**Total Sand(%):**	91
Depth(cm):	30-100	**Total Silt(%):**	6
pH in Calc Chloride:	7.3	**Total Clay(%):**	3
Saturated Hydraulic Conductivity(cm/h):	6.109	**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

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

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	7296642	139.02	SSW

Private Sources

Oil and Gas Wells

Map Key	ID	Distance (m)	Direction
	No records found		

Water Well Information System

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
1	SSW	0.14	139.02	104.88	WWIS

Well ID:	7296642	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Test Hole	Data Entry Status:	
Use 2nd:	Monitoring	Data Src:	
Final Well Status:	Monitoring and Test Hole	Date Received:	10/05/2017
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z258430	Contractor:	7241
Tag:	A211316	Form Version:	7
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:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map):

Well Completed Date:	09/08/2017
Year Completed:	2017
Depth (m):	4.27
Latitude:	45.2939649449229
Longitude:	-75.8804098178724
Path:	

Bore Hole ID:	1006759726	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	430966.00
Code OB Desc:		North83:	5015984.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	09/08/2017	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:	

Formation ID:	1006955581
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	0.9100000262260437
Formation End Depth UOM:	m

Formation ID:	1006955582
Layer:	2
Color:	2
General Color:	GREY
Mat1:	
Most Common Material:	
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0.9100000262260437
Formation End Depth:	1.5
Formation End Depth UOM:	m

Formation ID:	1006955583
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL

Mat2:	06
Mat2 Desc:	SILT
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	1.5
Formation End Depth:	4.269999980926514
Formation End Depth UOM:	m

Plug ID:	1006955593
Layer:	3
Plug From:	0.9100000262260437
Plug To:	4.269999980926514
Plug Depth UOM:	m

Plug ID:	1006955591
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Plug ID:	1006955592
Layer:	2
Plug From:	0.3100000023841858
Plug To:	0.9100000262260437
Plug Depth UOM:	m

Method Construction ID:	1006955590
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	DIRECT PUSH

Pipe ID:	1006955580
Casing No:	0
Comment:	
Alt Name:	

Casing ID:	1006955586
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC

Wells and Additional Sources Detail Report

Depth From:	0.0
Depth To:	1.2200000286102295
Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Screen ID:	1006955587
Layer:	1
Slot:	10
Screen Top Depth:	1.2200000286102295
Screen End Depth:	4.269999980926514
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.820000171661377

Water ID:	1006955585
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole ID:	1006955584
Diameter:	8.25
Depth From:	0.0
Depth To:	4.269999980926514
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Bore Hole ID:	1006759726	Tag No:	A211316
Depth M:	4.27	Contractor:	7241
Year Completed:	2017	Latitude:	45.2939649449229
Well Completed Dt:	09/08/2017	Longitude:	-75.8804098178724
Audit No:	Z258430	Y:	45.29396493867026
Path:	729\7296642.pdf	X:	-75.88040965674602

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

Area of Natural & Scientific Interest (ANSI)

ANSI Area

Source: ANSI (ANSI) March 2017, Ontario Ministry of Natural Resources

Area of Natural and Scientific Interest Information

Detailed ANSI information is provided below.

ANSI ID: 251213662

ANSI Name:	Eagleson'S Corners
Type:	ANSI, Earth Science
Significance:	Provincial
Area (sqm):	3685.762
Comments:	

ANSI ID: 251213660

ANSI Name:	Stony Swamp
Type:	Candidate ANSI, Life Science
Significance:	Provincial
Area (sqm):	13789738.393
Comments:	

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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