



Ottawa-Carleton District School Board

**Phase One Environmental Site Assessment
3853 Cambrian Road,
Ottawa, Ontario**

ER1076

November 19, 2024

CM3 Environmental Inc.
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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 3853 Cambrian Road in Ottawa, Ontario ("site" or "subject property"). The Phase One ESA was completed for due diligence purposes in advance of a potential real-estate transaction and for a potential site plan control application with the City of Ottawa. The Phase One ESA was not completed 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 rectangular in shape and is bound by Cambrian Road to the north, undeveloped mixed-use land to the east, in-development residential and institutional land to the south, and Elevation Road to the west. The site has been used for the construction and sales office for the developer "Mattamy (Half Moon Bay) Limited" (Mattamy) and is in an area primarily consisting of recently developed residential buildings. The site appears to have also been used for the stockpiling of soil and fill materials during the development of surrounding areas. The subject property is approximately 6.05 hectares in size and ground cover consisted primarily of soil and vegetation; the construction office and storage containers are located on the north side of the site and ground cover in this approximate 4,300 m² section consisted of gravel. The construction office area was surrounded by soil piles on the west, south, and east sides; vehicle access could be made from the north from Cambrian Road. Additional fill piles were previously located on other areas of the site.

The subject property was undeveloped prior to 2009. Between 2009 and 2017 small areas of vegetation were stripped from the site and soil was moved or added to the site. Between 2017 and 2018, the entire site was stripped of vegetation and additional soil movements took place. Between 2018 and 2020 the sales office was built. Prior to development the subject property and surrounding areas appear to be natural or agricultural lands.

The historic records search and site inspection identified two on-site potentially contaminating activities (PCA) related to the potential importation of fill materials of unknown quality to the site and the former and current above ground fuel storage tanks (ASTs) on-site. Based on the evaluation of the PCAs, two areas of potential environmental concern (APEC) were identified at the subject property.

A Phase Two ESA is required to characterize soils (and potentially groundwater) at the site. Contaminants of concern consisted of petroleum hydrocarbons in the F1-F4 fractions (PHCs), benzene, toluene, ethylbenzene, and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), and metals. CM3 added sodium adsorption ratio (SAR) and electrical conductivity (EC) to the analytical suite for future excess soil considerations.

The historic records search and site inspection identified two on-site Potentially Contaminating Activities (PCAs) and one off-site PCA. Two APECs were identified on-site based on the evaluation of the PCAs. The APECs and contaminants of concern (COCs) are summarized in the following table.

Areas of Potential Environmental Concern		
Location	Cause of Concern	COCs
Site	Importation of fill materials of unknown quality	PHCs, BTEX, metals.
South corner of the gravel covered area on the north side of the site.	Former fixed ASTs and current mobile AST.	PHCs, BTEX

BTEX - Benzene, toluene, ethylbenzene, xylenes
PHCs - Petroleum hydrocarbons F1 to F4 fractions

The findings of the Phase I ESA identified two APECs on the subject property related to the importation of fill materials of unknown quality and the former and current use of ASTs. The contaminants of concern were identified as petroleum hydrocarbons in the F1-F4 fractions (PHCs), benzene, toluene, ethylbenzene, and xylenes (BTEX), and metals. CM3 added sodium adsorption ratio (SAR), electrical conductivity (EC), and leachate analysis to the analytical suite for future excess soil management. The PCAs and APECs could result in adverse environmental conditions at the subject property. A Phase II ESA is required to assess the presence of soil within the APECs. Groundwater at the site should be assessed if elevated concentrations of COCs are identified in the soil within 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 3853 Cambrian Road in Ottawa, Ontario. The Phase One ESA was completed in for due diligence purposes in advance of a potential real-estate transaction and a potential site control plan application with the City of Ottawa and not for an RSC.

2.1 Phase One Property Information

The subject property is located on the south side of Cambrian Road in Ottawa, Ontario. The legal description is PART OF LOT 10, CONCESSION 3, RIDEAU FRONT, NEPEAN, PARTS 4 AND 5, PLAN 4R-29392; SUBJECT TO AN EASEMENT IN GROSS OVER PART 5, PLAN 4R-29392 AS IN OC1769114; CITY OF OTTAWA, and the property identification number is 04592-2323 (LT). The site location is provided as **Figure 1**. Photographs of the site are provided in **Appendix A**.

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

David Lacelle
Team Manager, Design and Construction
Ottawa Carleton District School Board
613-596-8211 ex 8644
david.lacelle@ocdsb.ca

The owner of the subject property as of May 14, 2024, was Mattamy (Half Moon Bay) Limited.

3.0 SCOPE OF INVESTIGATION

The Phase One ESA was completed at the request of Mr. Lacelle on behalf of the OCDSB for due diligence purposes in advance of a potential real-estate transaction. 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 following the requirements of 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 m. 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 of O. Reg. 153/04. An operational landfill is located approximately 800 m south-west of the subject property at 4475 Trail Road; the landfill has been included as part of the Phase One study area for this assessment. The Phase One study area is illustrated on **Figure 2**.

4.1.2 First Developed Use Determination

The subject property was undeveloped prior to 2009. Between 2009 and 2017 small areas of vegetation on the north portion of the site were stripped and soil was moved or added to the site. Between 2017 and 2018, the entire site was stripped of vegetation and more soils were moved and/or added to the site. Between 2018 and 2020 the construction office was built. Prior to development the subject property and surrounding areas appear to be natural or agricultural lands.

4.1.3 Fire Insurance Plans

A fire insurance plan (FIP) search was requested from ERIS. The search did not return results. The FIP search is provided in **Appendix B**.

4.1.4 Chain of Title

A title search was requested from ERIS. The search returned records from crown ownership (1801) to present. The chain of title appears to be for 3831 Cambrian Road, listing the current owner of the subject property as 9727469 CANADA INC. However, it was confirmed by a representative of Mattamy that the chain of title is incorrect, and the current owner of the subject property is Mattamy (Half Moon Bay) Limited. CM3 has contacted ERIS to obtain the correct chain

of title for subject property, if available. If CM3 receives the correct chain of title and it results in a PCA or an APEC, an amendment will be made to this report. The chain of title record is provided in **Appendix C**.

4.1.5 City Directory Search

The site and surrounding area were recently developed for primarily residential purposes; therefore, a city directory search was not completed as the search was not expected to return results.

4.1.6 Environmental Reports

Two previous environmental reports were available for review and are summarized below:

1. Paterson Group Inc. *“Phase I Environmental Site Assessment, Half Moon Bay West, Ottawa, Ontario”*. October 24, 2016.

The Phase I ESA conducted by the Paterson Group Inc. (Paterson) in 2016 was prepared for Mattamy Homes and included an approximate 60-hectare area of undeveloped land north and south of Cambrian Road, west of Seeley’s Bay Street, and east of Borrisokane Road. The subject property (3583 Cambrian Road) was included in Paterson’s Phase I property.

No potentially contaminating activities or areas of potential environmental concern were identified in the Phase I ESA. A Phase II ESA was not recommended.

2. SLR Consulting (Canada) Ltd. *“Phase One Environmental Site Assessment, 3850 Cambrian Road, Ottawa, Ontario”*. January 31, 2023.

The Phase One ESA conducted by SLR Consulting (Canada) Ltd. (SLR) in 2023 was prepared for Choice Properties Limited Partnership and included the 1.36-hectare vacant land parcel located at 3850 Cambrian Road. SLR’s Phase One property is on the north side of Cambrian Road, just north of the subject property (3853 Cambrian Road).

Two on-site PCAs were identified related to the importation of fill materials of unknown quality and commercial trucking and the storage of heavy equipment. Two off-site PCAs were identified related to the importation of fill materials of unknown quality and the use of transformers. Based on the evaluation of the PCAs, SLR identified two APECs on the Phase One property related to the on-site importation of fill materials and the commercial trucking and heavy equipment storage. Potentially contaminated media included soil and groundwater, and contaminants of concern included volatile organic compounds (VOCs), PHCs, PAHs, and metals.

During SLR’s site reconnaissance, they made the following observations of the subject property: “A Mattamy Homes Sales Centre, along with a sales building, office trailer and several shipping containers (presumed for storage), were observed to be located approximately 25 m to the southwest of the Phase One Property (across Cambrian Road). The vacant land to the south and

southwest of the Mattamy Homes Sales Centre was undeveloped and contained several soil piles (presumed fill materials);”

Based on the review of these environmental reports, the importation of fill materials of unknown quality to the subject property may represent an environmental concern.

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), the Technical Standards and Safety Authority (TSSA), and the City of Ottawa Historic Land Use Inventory (HLUI).

No records were identified in the MECP and TSSA freedom of information requests for the subject property. The city of Ottawa HLUI search returned two records within the study area. The records are summarized as follows:

- A 2016 Phase I ESA completed by Paterson. Summarized in section 4.1.6. above.
- An outline of an unnamed sand/gravel pit located roughly 200 m – 250 m south and southwest of the subject property.

The HLUI records did not result in environmental concerns at the site.

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

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 E**. The search provided seven records for the subject property and 24 records within the Phase One study area as of April 18, 2024. The records are provided in the ERIS Report (**Appendix E**) and summarized as follows:

Subject Property

- Five ERIS Historical Searches;
- One Ontario Regulation 347 Waste Generators Summary record; and
- One Water Well Information System (WWIS) record.

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

- Seventeen Environmental Compliance Approvals;
- Five ERIS Historical Searches; and
- Two WWIS records.

No PCAs were identified based on the evaluation of the records.

A total of 69 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 E**) and summarized:

- One Abandoned Aggregate Inventory record;
- Twenty-One Certificates of Approval;
- One Conviction record;
- Two Environmental Registry listings;
- Thirty Environmental Compliance Approvals;
- Two Landfill Inventory Management Ontario records;
- Five Permits to Take Water;
- One Ontario Spills record; and
- Six WWIS 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 1945, 1953, 1963, 1976, 1987, 1996, 2008, 2015, and 2023 were available for review. Observations from the aerial photographs are provided in the following table. Additional aerial photographs from Google Earth were reviewed as part of this assessment but cannot be included in the report due to copy right law.

Table 1: Aerial Photographs		
Property	Date(s)	Observations
Subject Property	1945 – 1996	The subject property appears to be natural land with sporadic tree coverage in the 1920s and increasing tree coverage over the years up to 1996.
	2008	The site appears to have been stripped of most vegetation and appears to have heavy equipment tracks.
	2015	Similar to the 2008 photo. Soil piles appear to be present on the east central section of the site.
	2023	The site has regained some vegetation. Two buildings and multiple storage containers and vehicles are present on a gravel section on a north section of the site. Another vehicle access point appears to be present just west of this area and a structure or large vehicle is present. A potential ditch looks to be present along the south and east property boundaries.
North	1945 – 1996	Current day Cambrian Road is present in all photos. The lands appear to be natural and agricultural. The Jock River is present roughly 1 km north of the site in all photos.
	2008	The area has been stripped of vegetation. Soil piles and pooled water are present sporadically.

Table 1: Aerial Photographs		
Property	Date(s)	Observations
	2015	Some of the vegetation has grown back and there is less pooled water.
	2023	There is one vacant, undeveloped lot (3850 Cambrian) directly north of the site. The area has generally been developed into a residential neighbourhood.
East	1945-1996	Agricultural land is present with sporadic structures (likely farmhouses and barns).
	2008	The lands adjacent to Cambrian Road have been stripped of vegetation. Soil piles and pooled water are present sporadically.
	2015	Two vacant, undeveloped lots are present to the east with newly developed residential buildings beyond.
	2023	The vacant lots are still present. Additional residential buildings are present beyond.
South	1945 – 1953	Natural and agricultural lands are present.
	1963 – 1976	A road or pathway was made from the west from current Elevation Road to the area roughly 300 m south of the subject property. Some stripping of vegetation and soil movements occurred. The area is still primarily agricultural lands with some natural lands directly south of the site.
	1987 – 2015	The area south of the subject property appears to have been mined for aggregate. The area is currently zoned as a mineral aggregate reserve zone. The area directly south of the site appeared to remain natural.
	2023	The area has been stripped of vegetation. Soil piles and pooled water are present sporadically.
West	1945 – 1987	Natural tree covered lands are present with agricultural lands beyond current Borrisokane Road.
	1996-2023	Natural lands with Highway 416 present beyond current Borrisokane Road.

The fill piles identified on-site and on surrounding lands may represent an environmental concern at the subject property. No other environmental concerns were identified at the subject property based on review of the aerial photographs. The ERIS aerial photographs are provided in **Appendix F**.

4.3.2 Topography, Hydrology, Geology

The site elevation is approximately 93.53 meters above sea level (m asl) and the site has a gentle slope to the south-east. The surrounding area slopes downward from south (112 m asl) to north (93 m asl) and is generally flat from east to west.

Surface drainage at the site is expected to be primarily by overland flow to intermittent streams identified to the east of the site on the ERIS topographic map and on the Ministry of Natural Resources and Forestry (MNR) Natural Heritage Areas map. The streams were not identified

during site reconnaissance and were likely buried during the development of surrounding areas. The streams may discharge to new stormwater management ponds located in new residential developments to the north and eventually discharge to the Jock River (approximately 1 km north of the site). A ditch is located along the north property boundary and likely conveys stormwater runoff from Cambrian Road to the east to the intermittent streams.

Soils at the site were described as recently deposited organic wetland soils and clay with very poor drainage and a high runoff potential. Bedrock at the site was described as dolostone and sandstone of the Beekmantown Group.

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

4.3.3 Fill Materials

Based on aerial photographs, between 2009 and 2017 relatively small areas of vegetation were stripped from the site and soil was moved or added to the site. Between 2017 and 2018, the entire site was stripped of vegetation and additional soil movements took place.

During the recent on-site investigation soil/fill piles were identified on-site. Information regarding imported fill materials and their quality was not available.

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

Water bodies were not identified within the Phase One study area. The intermittent streams (east of the site) and the Jock River (1 km north of the site) were identified on the MNRF Natural Heritage Areas map and in the ERIS PSR (**Appendix H**). Pooled water was noted on-site in historic aerial photographs but was not identified during the recent site reconnaissance.

Areas of Natural and Scientific Interest (ANSI) were not identified within the Phase One study area. Significant wetlands were not identified within the Phase One study area.

Based on the regional topography and the local presence of watercourses, the inferred regional groundwater flow direction was north toward the Jock River.

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

4.3.5 Well Records

One well record was identified on-site and is listed as abandoned. Two well records were identified to the south of the site and their uses were not listed. The data provided in the well records was insufficient to extrapolate information regarding stratigraphy or hydrogeology. The WWIS records are provided in the ERIS PSR, **Appendix G**.

4.4 Site Operating Records

Site operating records were not available for review. The site has only recently been developed to operate as a construction/sales office by Mattamy.

5.0 INTERVIEWS

CM3 conducted interviews with multiple on-site staff at the Mattamy construction/sales office during the site reconnaissance. The information gathered during the interviews is incorporated into the appropriate sections of this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

CM3 conducted the site investigation on July 31, 2024 from approximately 9:00 AM to 11:00 AM. Weather conditions during the on-site investigation were 28 °C and sunny with clouds. The investigation was conducted by Mr. Ethan Risk, B.Eng. of CM3. The site was operational as the Mattamy sales/construction office. All interior and exterior areas were fully accessible. Site photographs are provided in **Appendix A**.

Site Description

The subject property is rectangular in shape and is bound by Cambrian Road to the north, undeveloped mixed-use land to the east, in-development residential and institutional land to the south, and Elevation Road to the west. The site is in an area primarily consisting of recently developed residential buildings and has been used for the construction and sales office for the developer “Mattamy (Half Moon Bay) Limited”. The site appears to have also been used for the stockpiling of soil and fill materials during the development of surrounding areas. The subject property is approximately 6.05 hectares in size and ground cover consisted primarily of soil and vegetation; the construction office and storage containers are located on the north side of the site and ground cover in this approximate 4,300 m² section consisted of gravel. The construction office area was surrounded by fill piles on the west, south, and east sides; vehicle access could be made from the north from Cambrian Road. Additional fill piles were previously located on other areas of the site. 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	Cambrian Road.
North beyond	A vacant undeveloped mixed-use lot and new residential buildings.
East adjacent	A vacant undeveloped mixed-use lot.
East beyond	A vacant undeveloped mixed-use lot and new residential buildings.
South adjacent	A residential subdivision under development. Partial institutional zoning.
South beyond	A residential subdivision under development. Partial open space zoning.
West adjacent	Elevation Road.
West beyond	Natural tree covered lands (Environmental Protection zone).

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

6.2 Specific Observations at Phase One Property

Structures and Buildings

Structures and buildings at the site included the temporary office building, mobile office trailer, and storage containers.

Below Ground Structures

No below ground structures were identified on-site.

Storage Tanks

One 2022 double wall 997 litre capacity mobile diesel fuel tank was identified in the south corner of the gravel covered office area. Two fixed above ground fuel storage tanks (ASTs) were identified in the same area on a Google Street View image captured in June of 2021. Details of the ASTs (e.g. fuel type, age, capacity) could not be identified from the Google Street View image.

Water Supply

Municipal water is supplied to the temporary office building underground from Cambrian Road.

Underground Utilities

Water, and sewer are presumed to be located underground and run from Cambrian Road from the north to the temporary office building. Hydro is underground from a pole mounted transformer present off-site at the north property boundary.

Features of On-Site Structures and Buildings

Temporary Office Building

The temporary office building was a north facing one-storey storey building on a wood block foundation. The building was constructed between 2017 and 2019 with wood framing and a pitched asphalt shingle roof. Interior finishes consisted of engineered wood flooring and drywall. The exterior façade consisted of vinyl siding. Two man-doors were located on the north side of the building and two man-doors were located on the south side of the building. The building was heated with an electrical furnace.

Mobile Office Trailer

The mobile office was a north facing trailer on wheels. The trailer was brought to the site between 2021 and 2022. The exterior consisted of sheet metal siding and roofing. The interior finishes consisted of vinyl floor tiles, prefabricated gypsum walls, and acoustic ceiling tiles. Two man-doors were located on the north side of the office. The office was heated with an electrical furnace since. The office was vacant, and all furniture had been removed.Storage Containers

Two storage containers were present at the east side of the office parking lot and three storage containers were present on the south side of the office parking lot. The containers were used for the storage of office supplies (e.g. desks, chairs) and building materials (e.g. windows, trim). Based on aerial photographs, additional storage containers were formerly at the site and are presumed to have been used to store similar items.

Wells

No wells were identified on-site during the site reconnaissance. One well was identified on-site in the WWIS (well ID #7047099). The well status was abandoned.

Sewage Works and Wastewater

Wastewater was discharged to the municipal sewer on Cambrian Road.

Ground Surface

The general groundcover in the office area was gravel. The general groundcover on the remaining portion of the site was grass and other vegetation. 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.

Stressed Vegetation

Stressed vegetation was not observed on-site.

Fill or Debris

Fill piles surrounded the west, south, and east sides of the office parking lot. Additional fill and construction debris (e.g. concrete, gravel) was present to the west of the office area.

Potentially Contaminating Activities

Potentially contaminating activities are listed and numbered in O. Reg. 153/04, Schedule D; Table 2. Potentially contaminating activities identified during the site investigation included:

- Item 30: Importation of Fill Material of Unknown Quality.
- Item 28: Gasoline and Associated Products Storage in Fixed Tanks.
- Item 55: Transformer Manufacturing, Processing and Use.

Additional information regarding potentially contaminating activities is in section 7.2 below.

Unidentified Substances

Unidentified substances were not observed at the subject property.

Solid (Non-hazardous) Waste

Household waste was being generated at the semi-temporary office and is presumed to be picked up weekly by a waste contractor.

Waste bins were stacked at the south end of the office area. The interior of the bins observed had metal and wood scraps or building components (e.g. catch basin grates).

Hazardous Waste

Hazardous waste was not observed on-site.

Existing Groundwater Issues

Existing groundwater issues were not identified at the site.

Air Emissions

No 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 age of the semi-temporary office building is newer than 1995 and is therefore not expected to contain designated substances. The age of the mobile office trailer could not be confirmed. If the trailer is older than 1995, a Designated Substance Survey should be completed to confirm or refute the presence of designated substances prior to disturbance.

Polychlorinated Biphenyls

Polychlorinated Biphenyls (PCBs) may be present in transformers, capacitors, electromagnets, heat transfer units, and fluorescent lamp ballasts. One pole mounted transformer was present at the north property boundary. Due to the recent installation of the transformer (after 2011) it is not expected that the transformer oil contains PCBs. Additionally, no staining was observed that would indicate a leak.

Ozone-Depleting Substances

Ozone depleting substances (ODSs) are commonly found in refrigerants in heat pumps, refrigerators, freezers, and air conditioners (A/C). Refrigerators and A/C units were present at the semi-temporary office.

Urea Foam Formaldehyde Insulation

Urea foam formaldehyde insulation (UFFI) was not observed and is not expected to be present in buildings at the site.

Radon

The Health Canada radon ranking for the site is low. The radon information is provided in the ERIS PSR, **Appendix G**. Radon testing was not completed as part of this Phase One ESA.

Herbicides and Pesticides

No herbicides or pesticides were observed at the subject property. Information regarding herbicide and pesticide use on-site was not available.

Based on the historic aerial photographs, lands surrounding the subject property appear to have been used for agriculture. Herbicides and pesticides may have been used at these properties. There is no documented evidence or reports indicating pesticide storage, application, registration, or release on-site. Pesticides, when applied to surfaces, typically remain in the surface soils and are relatively insoluble in water or groundwater. The likelihood of environmental concern at the site due to past pesticide use at adjacent sites is considered low.

Dry-Cleaning Operations

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

6.2.1 Enhanced Investigation Property

The subject property is not considered an Enhanced Investigation Property.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

The subject property was being used for the construction and sales office for Mattamy. The site has historically been natural land. Approximately 95% of the site has remained undeveloped.

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 30 – Importation of Fill Material of Unknown Quality	Entire site.	Staging and stockpiling of fill materials during the development of surrounding residential subdivisions.
2	Item 28 – Gasoline and Associated Products Storage in Fixed Tanks	South-west area of the office parking lot.	Currently a mobile diesel fuel tank. Former ASTs.

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

Table 4: Phase One Study Area Potentially Contaminating Activities			
PCA #	PCA	Location	Description of Activity
3	Item 55 – Transformer Manufacturing, Processing and Use	North property boundary adjacent to the vehicle access point.	One pole mounted transformer.

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, two areas of potential environmental concern were identified at the subject property related to the current and former fuel storage tanks and the importation of fill materials of unknown quality. The COCs were identified as PHCs in the F1-F4 fractions, BTEX, and metals. Sodium adsorption ratio, electrical conductivity and leachate testing were included in the analysis for future excess soil management purposes.

7.4 Phase One Conceptual Site Model

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

The site is in an area primarily consisting of recently developed residential buildings and has been used for the home construction and sales office for Mattamy. The site appears to have also been

used for the stockpiling of soil and fill materials during the development of surrounding areas. Underground utilities (water, sewer, hydro) are likely to enter the site from the north from Cambrian Road and run to the temporary site office. A site plan is provided on **Figure 4**.

Surface drainage at the site is expected to be primarily by overland flow to intermittent streams identified to the east of the site. The streams may discharge to new stormwater management ponds located in new residential developments to the north and eventually discharge to the Jock River (approximately 1 km north of the site). A ditch is located along the north property boundary and likely conveys stormwater runoff from Cambrian Road to the east to the intermittent streams. The study area is shown on **Figure 2**.

Areas of Natural and Scientific Interest (ANSI) were not identified within the Phase One study area. Significant wetlands were not identified within the Phase One study area. Based on the regional topography and the local presence of watercourses, the inferred regional groundwater flow direction was north toward the Jock River.

Soils at the site were described as recently deposited organic wetland soils and clay with very poor drainage and a high runoff potential. Bedrock at the site was described as dolostone and sandstone of the Beekmantown Group.

Two PCAs were identified on-site related to the importation of fill materials of unknown quality and the current and former fuel storage tanks. One PCA was identified off-site related to the use of a pole mounted transformer. Based on the evaluation of the PCAs, two APECs were identified on the site related to the importation of fuel materials (entire site) and the current and former fuel storage tanks (south area of the office parking lot). The COCs were identified as PHCs in the F1-F4 fractions, BTEX, and metals. Sodium adsorption ratio, electrical conductivity, and leachate testing were included in the analysis, in consideration of future excess soil requirements. The PCAs and APECs are shown on **Figure 3** and **Figure 4**, respectively.

8.0 CONCLUSIONS

CM3 Environmental was retained by Mr. Dave Lacelle on behalf of the OCDSB to conduct a Phase One ESA for the property located at 3858 Cambrian Road, Ottawa, Ontario. The Phase One ESA was completed for due diligence for a potential real-estate transaction and in support of a potential site control plan application with the City of Ottawa and not in support of the filing of a RSC. The Phase One ESA identified two APECs at the subject property.

8.1 Requirement for a Phase Two ESA

Based on the above, a Phase Two ESA is required to characterize soil (and potentially groundwater) in the APECs.

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/geottawa/>

Ontario Ministry of Natural Resources and Forestry Natural Heritage Interactive Mapping Tool. Available online at: https://www.lioapplications.lrc.gov.on.ca/Natural_Heritage/index.html?viewer=Natural_Heritage.Natural_Heritage&locale=en-CA

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 **Ottawa-Carleton District School Board**. It is intended for the sole and exclusive use of the **Ottawa-Carleton District School Board**, 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 **Ottawa-Carleton District School Board** based on this report is the sole responsibility of such other person. CM3 Environmental Inc. and the **Ottawa-Carleton District School Board** 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.

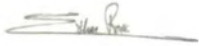
If site conditions or applicable standards change or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary.

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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



Karl Bilyj, P.Geo.
Geoscientist



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



FIGURES

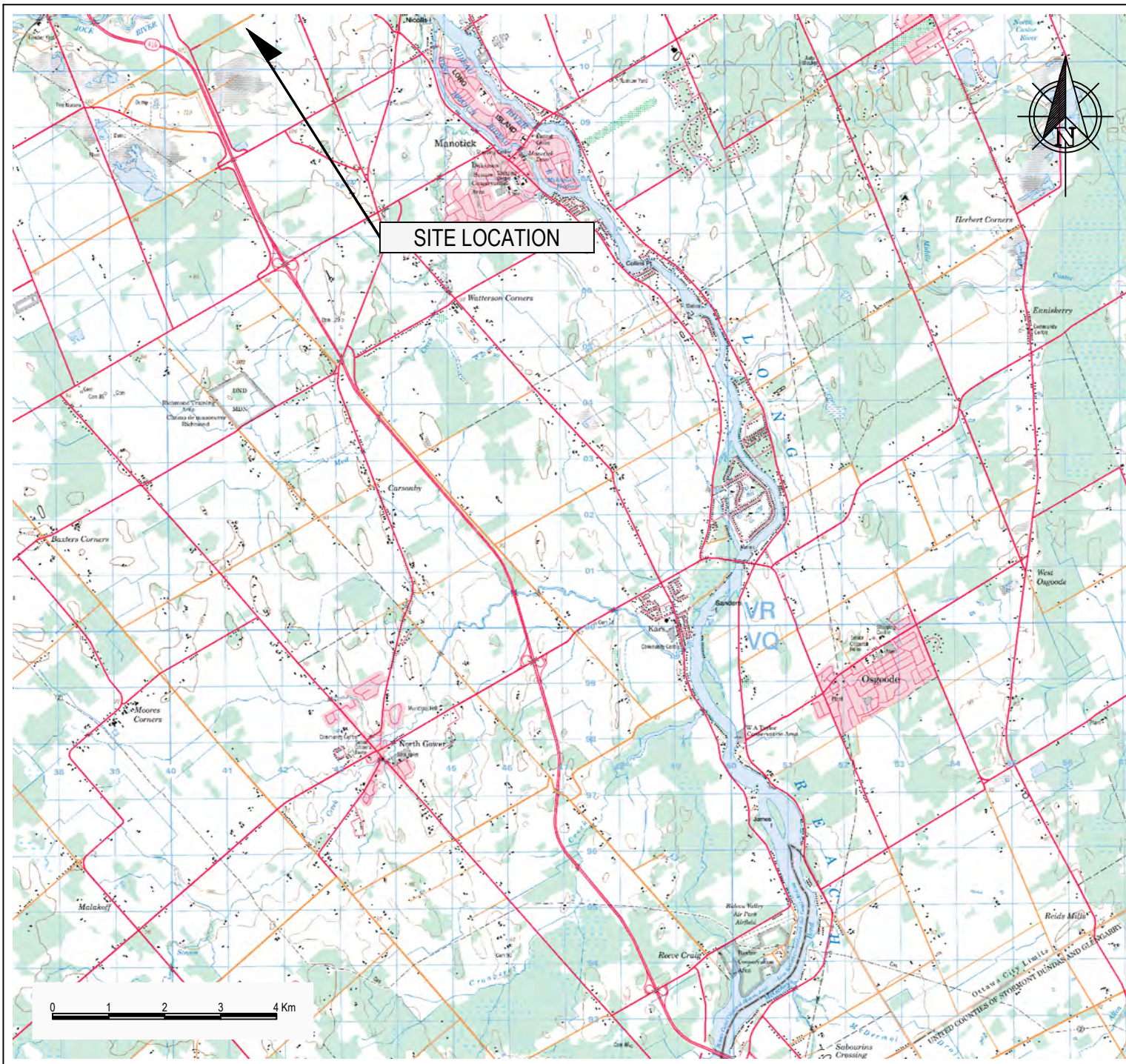
Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076



cm3
environmental

5710 AKINS ROAD, OTTAWA, ON
K2S 1B8

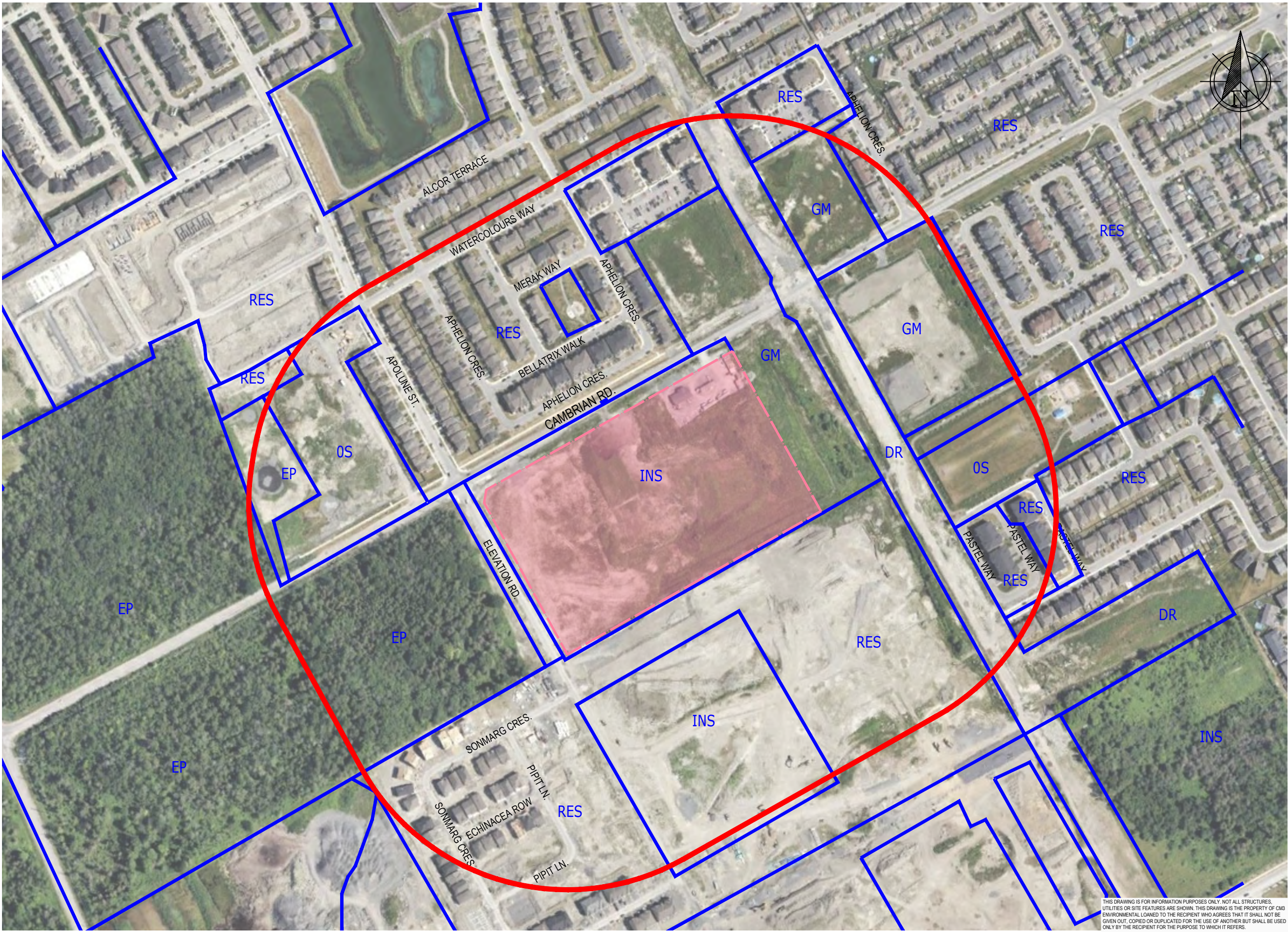


OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
3853 CAMBRIAN ROAD,
OTTAWA, ONTARIO

SITE LOCATION

Project:	ER1076	Drawn By:	KS
Date:	NOV 2024	Reviewed By:	ER
Scale:	AS SHOWN	Figure:	1



LEGEND

- PHASE I SITE
- ZONING BOUNDARY
- STUDY AREA 250 m RADIUS
- ZONING BOUNDARIES
- INS INSTITUTIONAL
- OS PARKS AND OPEN SPACE
- GM GENERAL MIXED-USE ZONE
- DR DEVELOPMENT RESERVE ZONE
- RES RESIDENTIAL
- EP ENVIRONMENTAL PROTECTION ZONE

Scale 1:4000

0 40 80 120 160 m
(Approx. When plotted 11x17)

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K2S 1B8


OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
3853 CAMBRIAN ROAD,
OTTAWA, ONTARIO

PHASE I STUDY AREA

Project:	ER1076	Drawn By:	KS
Date:	NOV 2024	Reviewed By:	ER
Scale:	1:4000	Figure:	2

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CAMBRIAN RD.

ELEVATION RD.

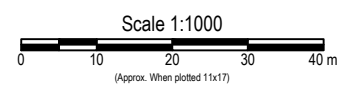


LEGEND

PHASE I SITE

APEC

APEC:
#1 - PCA 1 - ENTIRE SITE
(UNKNOWN FILL QUALITY)
#2 - PCA 2 - USE OF AST



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K2S 1B8

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
3853 CAMBRIAN ROAD,
OTTAWA, ONTARIO

AREA OF POTENTIAL ENVIRONMENTAL
CONCERN

Project:	ER1076	Drawn By:	KS
Date:	NOV 2024	Reviewed By:	ER
Scale:	1:1000	Figure:	4

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APPENDIX A

PHOTOGRAPHIC RECORD

Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076

APPENDIX A
PHOTOGRAPHIC RECORD



Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 1: Looking south-east at the temporary sales office for Mattamy from the gravel parking area on the north side of the site.

APPENDIX A
PHOTOGRAPHIC RECORD



Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 2: Looking east at the mobile construction office and two storage containers. The sales office is out of frame on the right side of the photo.

APPENDIX A
PHOTOGRAPHIC RECORD



Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 3: Looking north at the vehicle entrance to the site from Cambrian Road and a pole mounted transformer beyond the north property boundary.

APPENDIX A
PHOTOGRAPHIC RECORD



Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 4: View looking north-northwest at Cambrian Road and a residential area from the on-site parking lot.

APPENDIX A
PHOTOGRAPHIC RECORD

Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 5: View looking northeast down Cambrian Road. A drainage ditch flowing to the northeast is in view.

APPENDIX A
PHOTOGRAPHIC RECORD

Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 6: View of a mobile diesel fuel tank on the west side of the temporary sales office.

APPENDIX A
PHOTOGRAPHIC RECORD



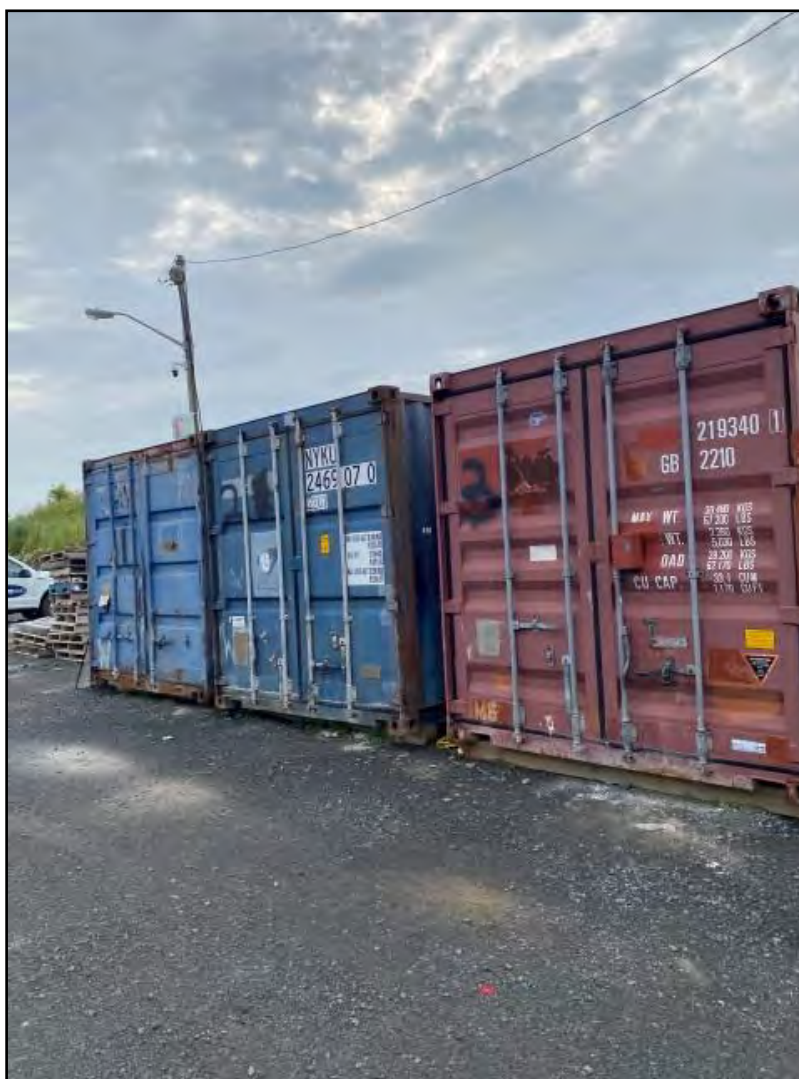
Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 7: View of metal storage bins on the south side of the temporary sales office.

APPENDIX A PHOTOGRAPHIC RECORD

Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 8: View of storage containers on the south side of the temporary sales office. Overhead hydro lines are in view.

APPENDIX A
PHOTOGRAPHIC RECORD



Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 9: Looking east at a view of the berm that surrounds the gravel covered office area at the north side of the site.

APPENDIX A
PHOTOGRAPHIC RECORD

Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 10: Example of an interior view of a storage container.

APPENDIX A
PHOTOGRAPHIC RECORD



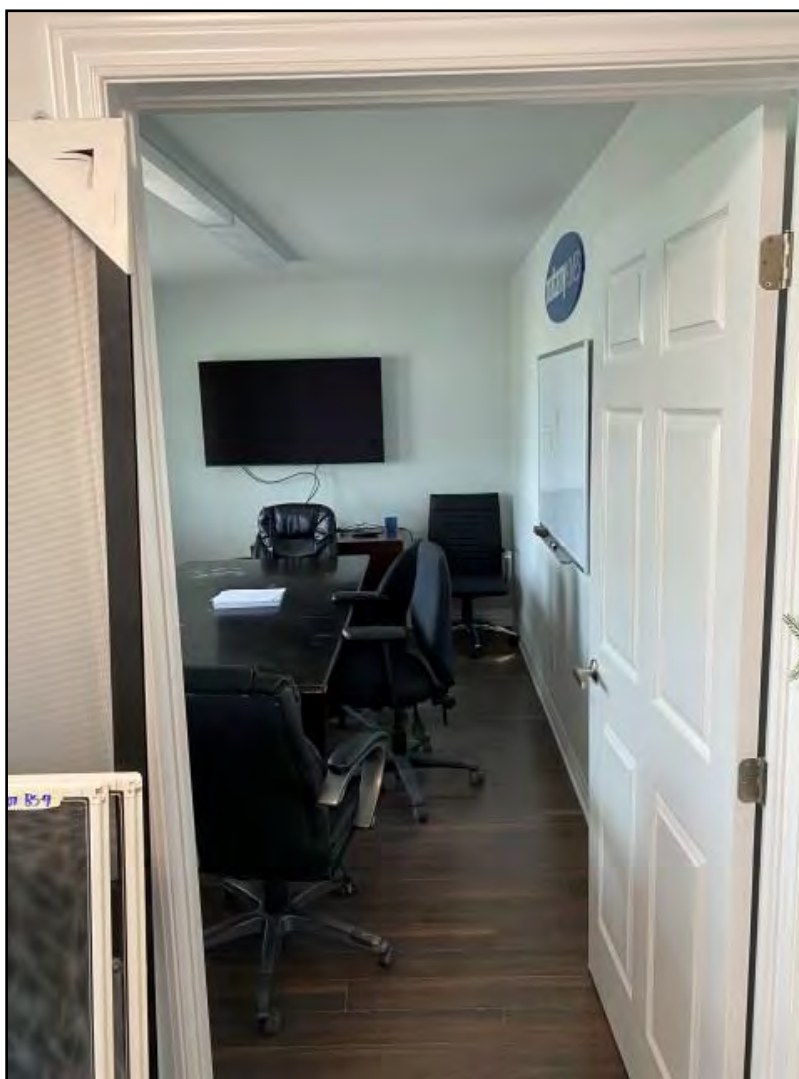
Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 11: Interior view of the mobile construction office.

APPENDIX A
PHOTOGRAPHIC RECORD

Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 12: Interior view of the temporary sales office.

APPENDIX A
PHOTOGRAPHIC RECORD



Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 13: Looking south at the subject property from the northwest section. Fill materials are in view.

APPENDIX A
PHOTOGRAPHIC RECORD



Client: Ottawa-Carleton District School Board	Job Number: ER1076
Site Name: Half Moon Bay SS	Location: 3853 Cambrian Road, Ottawa, ON
Photographer: Ethan Risk	Date: July 31, 2024



Photograph 14: Looking east at the subject property from the northwest section. Vegetation and built-up areas are in view.

APPENDIX B

INSURANCE PRODUCTS

Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076



enviroscan



175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Stephanie

Site Address:

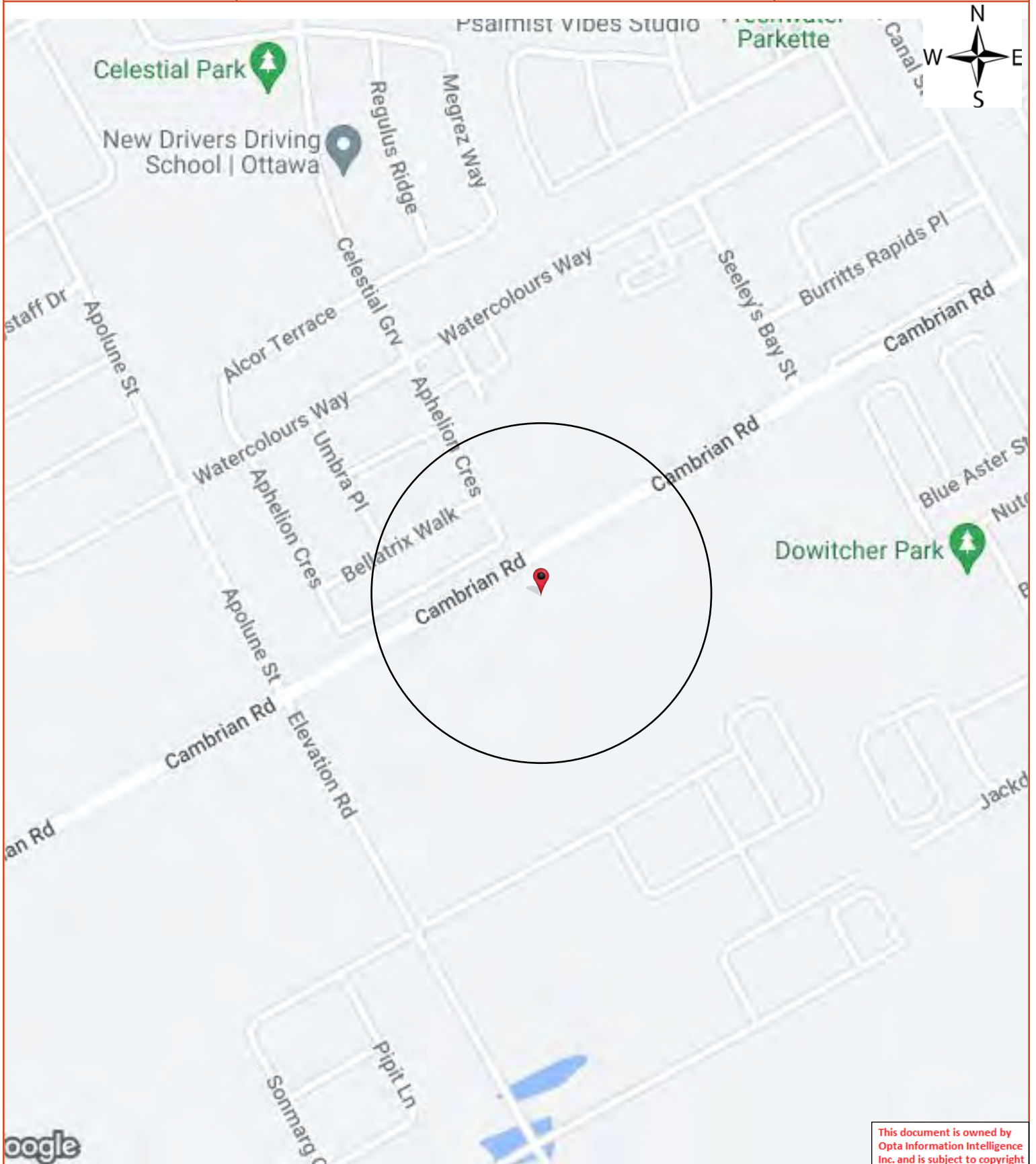
3853 Cambrian Road Ottawa ON

Project No:
24041800350

Opta Order ID:
143121

Requested by:
Eleanor Goolab
Ecolog Eris

Date Completed:
5/24/2024 8:29:40 PM



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Report

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Entire Agreement

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

Governing Document

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

Law

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

Page: 4
Project Name: Half Moon Bay
Cambrian Road

Project #: 24041800350
P.O. #: ER1076

ENVIROSCAN Report

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APPENDIX C

CHAIN OF TITLE

Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076

CHAIN OF TITLE REPORT

Project #: 24041800350
Address: 3853 Cambrian Road, Ottawa
Legal Part Lot 10 Con 3 RF Nepean
Description: Parts 4 & 5, 4R-29392

Searched at: Ottawa
LRO #: 4

Page 1

PIN #: 04592-2323 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (200 Acres)	30 06 1801	Crown	Margaret CLARKE
2325	Deed	15 09 1855	Francis Clarke exor for Margaret Clarke - Estate	Arthur FRASER
3405	Deed	02 02 1856	Arthur Fraser	James BURKE
11088	Deed	29 03 1857	James Burke	William CLARKE
NP20319	Deed	03 03 1905	William Clarke - Estate	William CLARKE Leslie CLARKE
NP20321	Deed	03 03 1905	Leslie Clarke	William CLARKE
NP25208	Deed	13 04 1915	William Clarke	Cornelius CLARKE
NP47304	Deed	25 04 1940	Cornelius Clarke	Thomas CLARKE
N34595	Deed	25 04 1988	Mildred Mary Clarke exor for Thomas Clarke - Estate	Walter Joseph CLARKE Cornelius NELL

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 24041800350
Address: 3853 Cambrian Road, Ottawa
Legal Description: Part Lot 10 Con 3 RF Nepean
Parts 4 & 5, 4R-29392

Searched at: Ottawa
LRO #: 4

Page 2

PIN #: 04592-2323 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
495638	Deed	18 07 1989	Walter Joseph Clarke Cornelius Nell	836411 Ontario Inc.
OC368057	Deed	11 08 2004	836411 Ontario Inc.	1150274 Ontario Inc.
OC801692	Name Change	29 11 2007	1150274 Ontario Inc.	1734224 Ontario Inc.
OC801693	Name Change	29 11 2007	1734224 Ontario Inc.	Mattamy (Francis/Boyce) Limited
OC864151	Deed	18 06 2008	Mattamy (Francis/Boyce) Limited	Mattamy (Half Moon Bay) Limited
OC1769114	Easement (Over Pt 5, 4R29392)	03 03 2016	Mattamy (Half Moon Bay) Limited	Hydro Ottawa Limited
OC1787353	Deed (Present Owner)	16 05 2016	Mattamy (Half Moon Bay) Limited	9727469 Canada Inc.

LAND
REGISTRY
OFFICE #4

04592-2323 (LT)

PAGE 1 OF 1
PREPARED FOR bertucci
ON 2024/05/14 AT 10:07:37

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

PROPERTY DESCRIPTION:

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT ABSOLUTE PLUS

OWNERS' NAMES

9727469 CANADA INC.

PART OF LOT 10, CONCESSION 3, RIDEAU FRONT, NEPEAN, PARTS 4 AND 5, PLAN 4R-29392; SUBJECT TO AN EASEMENT IN GROSS OVER PART 5, PLAN 4R-29392 AS IN OC1769114; CITY OF OTTAWA

FOR THE PURPOSE OF THE QUALIFIER THE DATE OF REGISTRATION OF ABSOLUTE TITLE IS 2008/03/05. PLANNING ACT CONSENT IN DOCUMENT OC1787353.

RECENTLY:

DIVISION FROM 04592-0363

CAPACITY SHARE

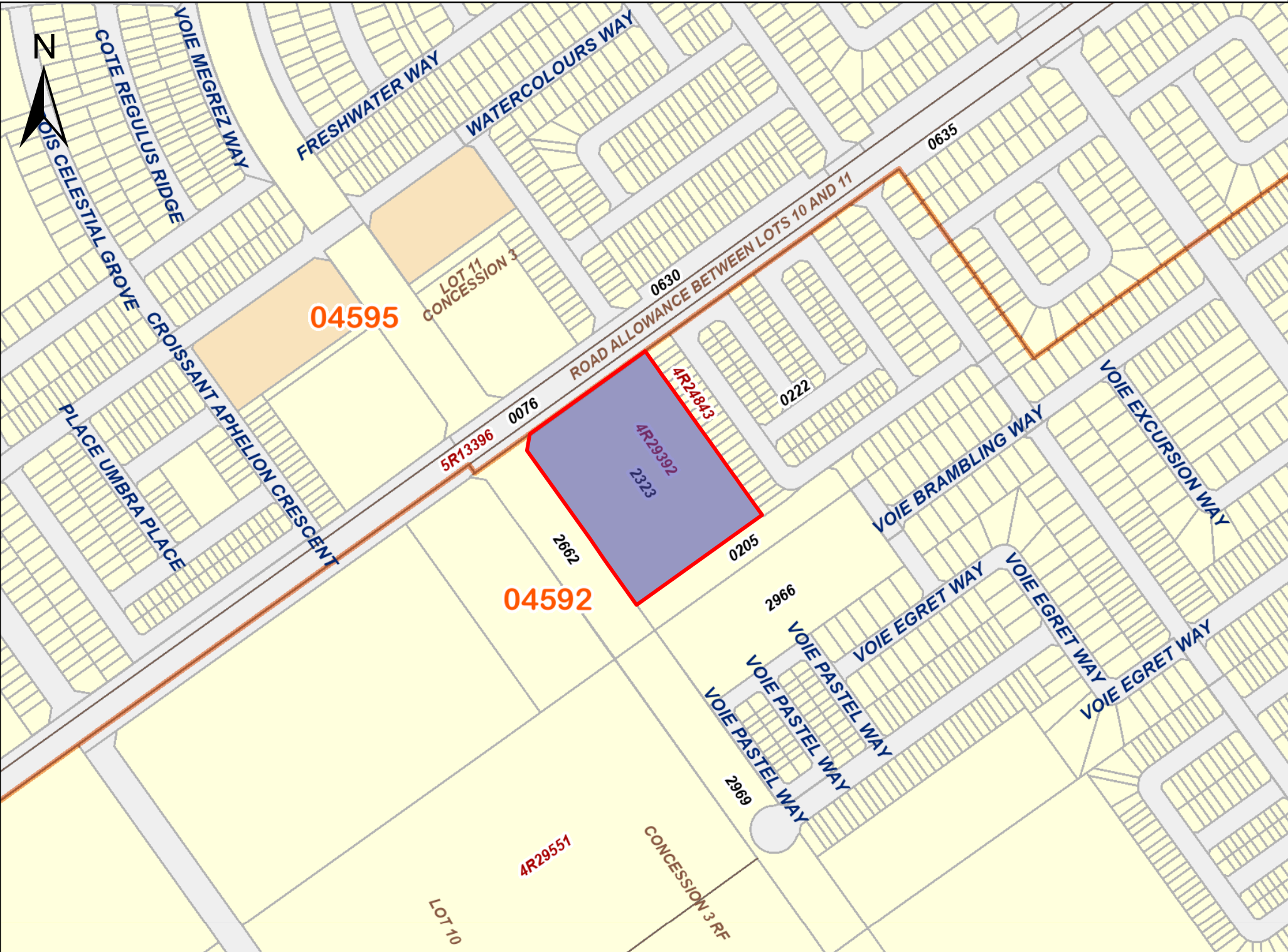
ROWN

PIN CREATION DATE:

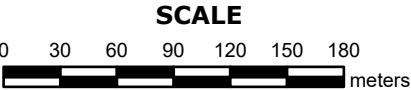
2016/05/26

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2016/05/26 **						
**SUBJECT TO SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPHS 3 AND 14 AND *						
** PROVINCIAL SUCCESSION DUTIES AND EXCEPT PARAGRAPH 11 AND ESCHEATS OR FORFEITURE **						
** TO THE CROWN UP TO THE DATE OF REGISTRATION WITH AN ABSOLUTE TITLE. **						
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
REMARKS: AIRPORT ZONING REGULATION						
OC1769114	2016/03/03	TRANSFER EASEMENT	\$2	MATTAMY (HALF MOON BAY) LIMITED	HYDRO OTTAWA LIMITED	C
4R29392	2016/03/10	PLAN REFERENCE				C
OC1787353	2016/05/16	TRANSFER	\$4,490,750	MATTAMY (HALF MOON BAY) LIMITED	9727469 CANADA INC.	C

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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



APPENDIX D

FREEDOM OF INFORMATION DOCUMENTS

Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076



enviroscan



175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Stephanie

Site Address:

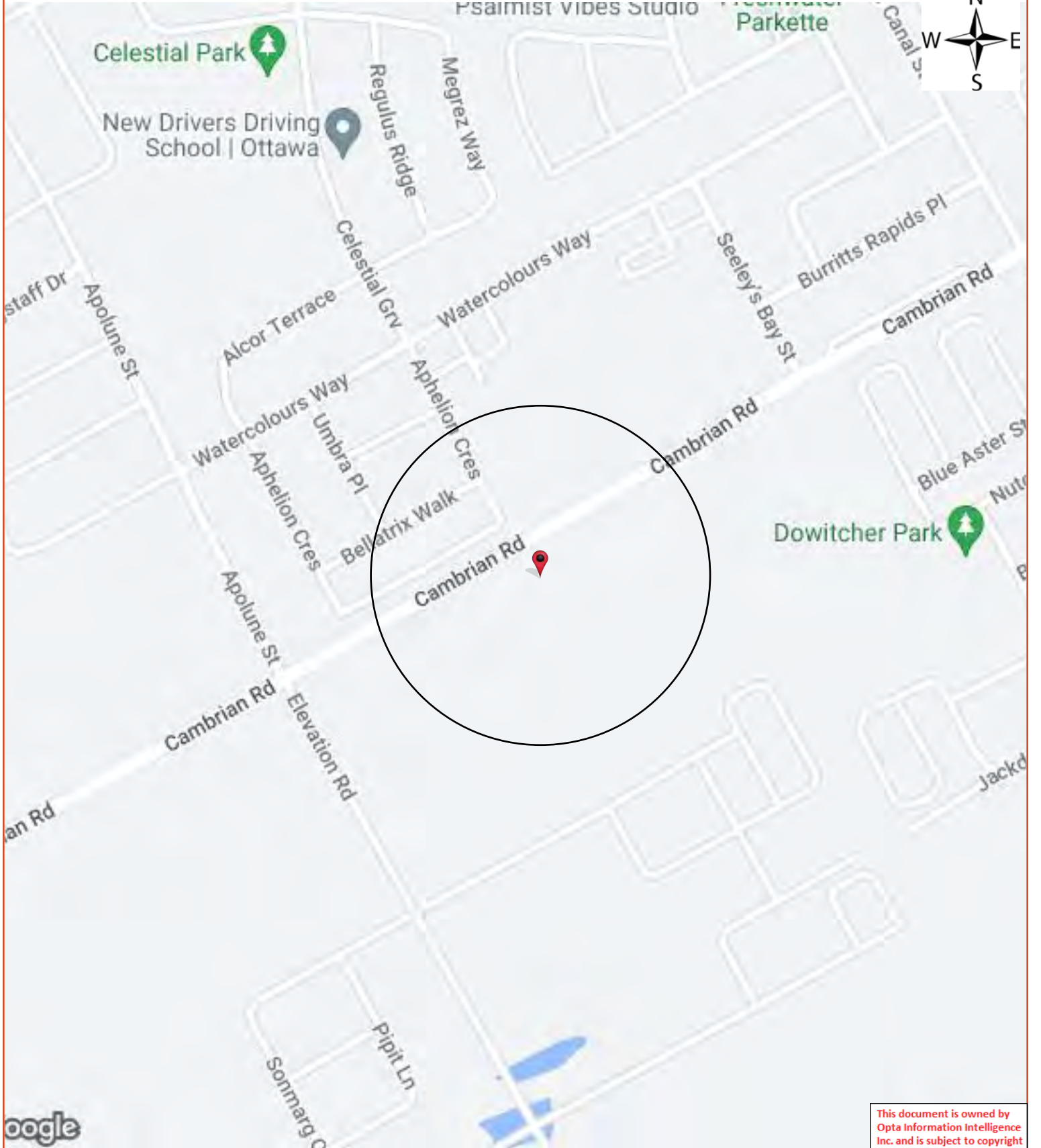
3853 Cambrian Road Ottawa ON

Project No:
24041800350

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Ecolog Eris

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5/24/2024 8:29:40 PM



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Report

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Entire Agreement

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

Governing Document

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

Law

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

Page: 4
Project Name: Half Moon Bay
Cambrian Road

Project #: 24041800350
P.O. #: ER1076

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab

Date Completed: 05/24/2024 20:29:40



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APPENDIX E

ERIS DATABASE REPORT

Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076



DATABASE REPORT

Project Property:	<i>Half Moon Bay - Cambrian Road 3853 Cambrian Road Ottawa ON K2J 5P5</i>
Project No:	<i>ER1076</i>
Report Type:	<i>Standard Report</i>
Order No:	<i>24041800350</i>
Requested by:	<i>CM3 Environmental Inc.</i>
Date Completed:	<i>April 18, 2024</i>

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property: *Half Moon Bay - Cambrian Road
3853 Cambrian Road Ottawa ON K2J 5P5*

Project No: *ER1076*

Coordinates:

Latitude: *45.24739*
Longitude: *-75.7493168*
UTM Northing: *5,010,705.96*
UTM Easting: *441,197.08*
UTM Zone: *18T*

Elevation: *307 FT
93.53 M*

Order Information:

Order No: *24041800350*
Date Requested: *April 18, 2024*
Requested by: *CM3 Environmental Inc.*
Report Type: *Standard Report*

Historical/Products:

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

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
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	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	17	17
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	5	5	10
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	1	0	1
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	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
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	1	2	3

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
		<i>Total:</i>	7	24	31

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<u>1</u>	WWIS		3853 CAMBRIAN ROAD lot 11 con 3 OTTAWA ON <i>Well ID:</i> 7047099	-/0.0	0.00	<u>17</u>
<u>1</u>	GEN	2051375 Ontario Ltd.	3853 CAMBRIAN ROAD NEPEAN ON	-/0.0	0.00	<u>18</u>
<u>1</u>	EHS		3853 Cambrian Road Ottawa ON	-/0.0	0.00	<u>19</u>
<u>1</u>	EHS		3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-/0.0	0.00	<u>19</u>
<u>1</u>	EHS		3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-/0.0	0.00	<u>19</u>
<u>1</u>	EHS		3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-/0.0	0.00	<u>19</u>
<u>1</u>	EHS		3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-/0.0	0.00	<u>20</u>

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>2</u>	EHS		3850 Cambrian Road Nepean ON K2J 0T2	N/138.2	0.40	<u>20</u>
<u>2</u>	EHS		3850 Cambrian Road Nepean ON K2J 0T2	N/138.2	0.40	<u>20</u>
<u>2</u>	EHS		3850 Cambrian Road Nepean ON K2J 0T2	N/138.2	0.40	<u>20</u>
<u>2</u>	EHS		3850 Cambrian Road Nepean ON K2J 0T2	N/138.2	0.40	<u>20</u>
<u>3</u>	WWIS		ON Well ID: 7223434	SE/176.8	0.60	<u>21</u>
<u>4</u>	WWIS		ON Well ID: 7400033	SSE/215.1	0.78	<u>22</u>
<u>5</u>	EHS		Cambrian Road Ottawa ON	ENE/218.5	0.11	<u>23</u>
<u>6</u>	ECA	Minto Communities Inc.	Lot 10, Concession 3 Part 1, Ref.4R-23178 Ottawa ON K1P 0B6	ESE/220.9	0.49	<u>23</u>
<u>6</u>	ECA	Minto Communities Inc.	Ottawa ON K1P 0B6	ESE/220.9	0.49	<u>23</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON	ESE/220.9	0.49	<u>23</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>24</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>24</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>24</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>25</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>25</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean Ottawa ON K2S 1B9	ESE/220.9	0.49	<u>25</u>
<u>6</u>	ECA	Minto Communities Inc.	Ottawa ON K1P 0B6	ESE/220.9	0.49	<u>25</u>
<u>6</u>	ECA	McNeil Farm Limited	Ottawa ON K2P 1P9	ESE/220.9	0.49	<u>26</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean Ottawa ON K2S 1B9	ESE/220.9	0.49	<u>26</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean Ottawa ON K2S 1B9	ESE/220.9	0.49	<u>26</u>
<u>6</u>	ECA	McNeil Farm Limited	Ottawa ON K2P 1P9	ESE/220.9	0.49	<u>27</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>27</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay) Limited	Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>27</u>
<u>6</u>	ECA	Mattamy (Half Moon Bay 3) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE/220.9	0.49	<u>28</u>

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Feb 29, 2024 has found that there are 17 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Minto Communities Inc.	Ottawa ON K1P 0B6	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>
McNeil Farm Limited	Ottawa ON K2P 1P9	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean Ottawa ON K2S 1B9	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean Ottawa ON K2S 1B9	ESE	220.88	<u>6</u>
McNeil Farm Limited	Ottawa ON K2P 1P9	ESE	220.88	<u>6</u>
Minto Communities Inc.	Ottawa ON K1P 0B6	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean Ottawa ON K2S 1B9	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Mattamy (Half Moon Bay) Limited	Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>
Minto Communities Inc.	Lot 10, Concession 3 Part 1, Ref.4R- 23178 Ottawa ON K1P 0B6	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay 3) Limited	Half Moon Bay West Ottawa ON K2K 2M5	ESE	220.88	<u>6</u>
Mattamy (Half Moon Bay) Limited	Half Moon Bay West Ottawa ON	ESE	220.88	<u>6</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 10 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3853 Cambrian Road Ottawa ON	-	0.00	<u>1</u>
	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-	0.00	<u>1</u>
	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-	0.00	<u>1</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-	0.00	<u>1</u>
	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	-	0.00	<u>1</u>
	3850 Cambrian Road Nepean ON K2J 0T2	N	138.24	<u>2</u>
	3850 Cambrian Road Nepean ON K2J 0T2	N	138.24	<u>2</u>
	3850 Cambrian Road Nepean ON K2J 0T2	N	138.24	<u>2</u>
	3850 Cambrian Road Nepean ON K2J 0T2	N	138.24	<u>2</u>
	Cambrian Road Ottawa ON	ENE	218.50	<u>5</u>

GEN - Ontario Regulation 347 Waste Generators Summary

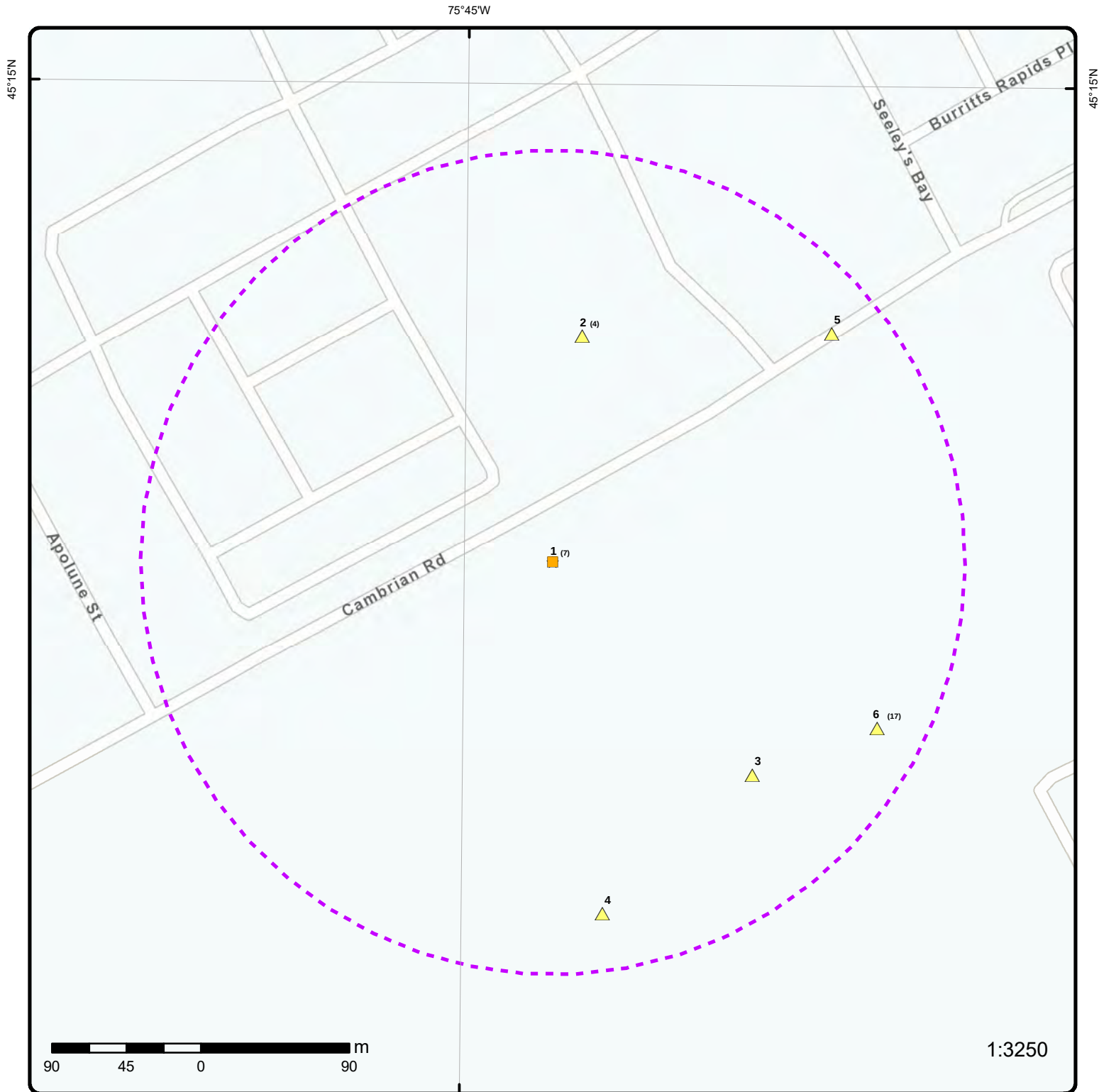
A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
2051375 Ontario Ltd.	3853 CAMBRIAN ROAD NEPEAN ON	-	0.00	<u>1</u>

WWIS - Water Well Information System

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3853 CAMBRIAN ROAD lot 11 con 3 OTTAWA ON <i>Well ID:</i> 7047099	-	0.00	<u>1</u>
	ON <i>Well ID:</i> 7223434	SE	176.78	<u>3</u>
	ON <i>Well ID:</i> 7400033	SSE	215.05	<u>4</u>



Map: 0.25 Kilometer Radius

Order Number: 24041800350

Address: 3853 Cambrian Road, Ottawa, ON



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

75°45'W

45°15'N

45°15'N



Aerial

Year: 2023

Order Number: 24041800350

Address: 3853 Cambrian Road, Ottawa, ON



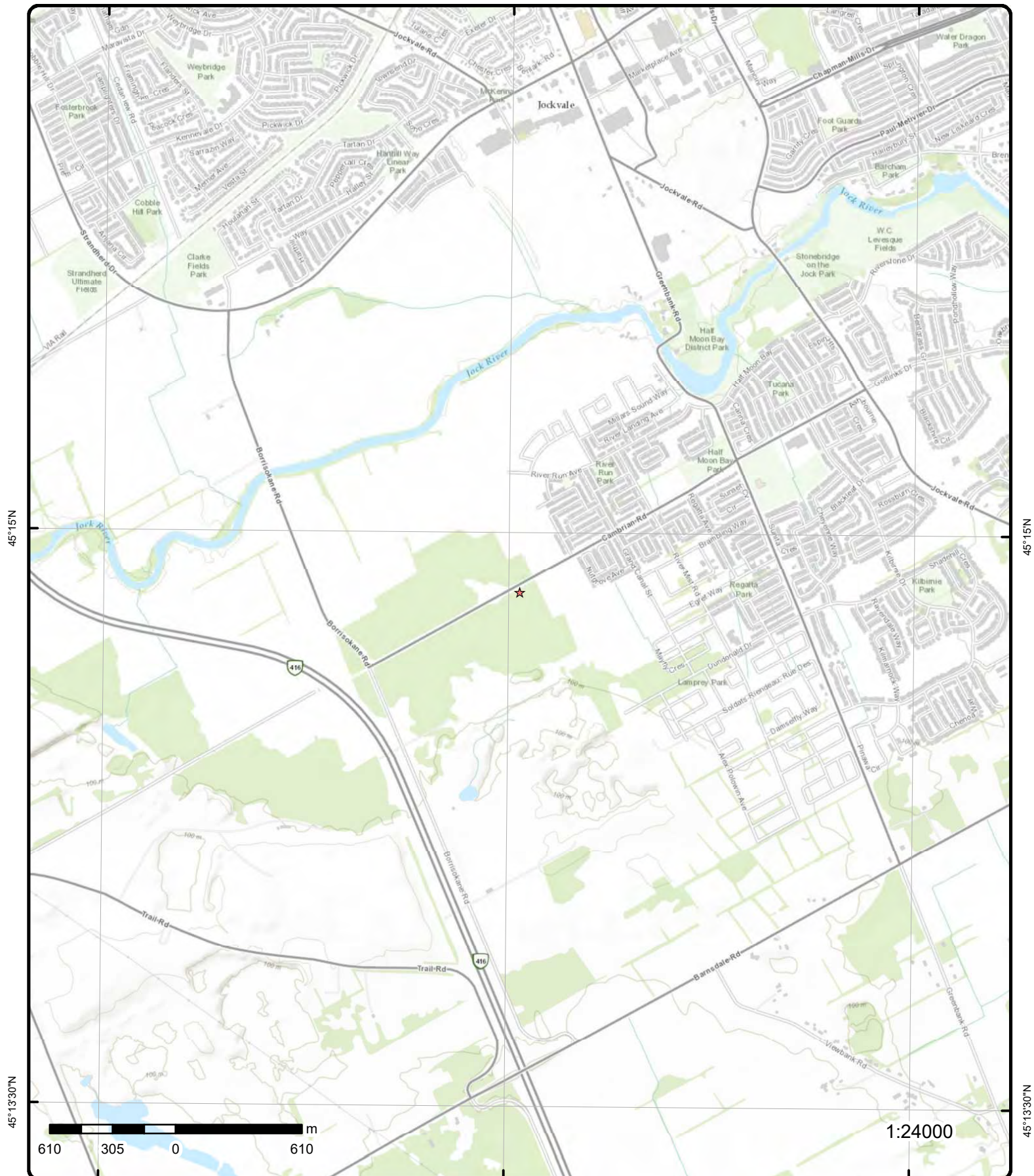
Source: ESRI World Imagery

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75°46'30"W

75°45'W

75°43'30"W



Topographic Map

Address: 3853 Cambrian Road, ON

Source: ESRI World Topographic Map

Order Number: 24041800350



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 7	-/0.0	93.5 / 0.00	3853 CAMBRIAN ROAD lot 11 con 3 OTTAWA ON	WWIS
Well ID:		7047099	Flowing (Y/N):		
Construction Date:			Flow Rate:		
Use 1st:		Not Used	Data Entry Status:		
Use 2nd:			Data Src:		
Final Well Status:		Abandoned-Other	Date Received:		
Water Type:			07/26/2007		
Casing Material:			Selected Flag:		
Audit No:		Z52528	TRUE		
Tag:			Abandonment Rec:		
Constructn Method:			Yes		
Elevation (m):			Contractor:		
Elevatn Reliabilty:			7260		
Depth to Bedrock:			Form Version:		
Well Depth:			3		
Overburden/Bedrock:			Owner:		
Pump Rate:			County:		
Static Water Level:			OTTAWA-CARLETON		
Clear/Cloudy:			Lot:		
Municipality:		NEPEAN TOWNSHIP	011		
Site Info:		PLAN 4.5R 12867	Concession:		
			03		
			Concession Name:		
			Easting NAD83:		
			Northing NAD83:		
			Zone:		
			UTM Reliability:		
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7047099.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		06/02/2007			
Year Completed:		2007			
Depth (m):					
Latitude:		45.2502374880733			
Longitude:		-75.7420150149643			
Path:		704\7047099.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		23047099	Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone:		
Code OB:			18		
Code OB Desc:			East83:		
Open Hole:			441773.00		
Cluster Kind:			North83:		
Date Completed:		06/02/2007	5011017.00		
Remarks:			Org CS:		
Loc Method Desc:		on Water Well Record	UTM83		
Elevrc Desc:			UTMRC:		
Location Source Date:			3		
Improvement Location Source:			UTMRC Desc:		
Improvement Location Method:			margin of error : 10 - 30 m		
Source Revision Comment:			Location Method:		
Supplier Comment:			wwr		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		44002044			
Layer:		1			
Plug From:		0.0			
Plug To:		4.869999885559082			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		44002045			
Layer:		2			
Plug From:		4.869999885559082			
Plug To:		6.0960001945495605			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		25947099			
Method Construction Code:		A			
Method Construction:		Digging			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		29047099			
Casing No:		0			
Comment:					
Alt Name:					
<u>Hole Diameter</u>					
Hole ID:		46001268			
Diameter:		91.44000244140625			
Depth From:		0.0			
Depth To:		6.0960001945495605			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	23047099			Tag No:	
Depth M:				Contractor:	7260
Year Completed:	2007			Latitude:	45.2502374880733
Well Completed Dt:	06/02/2007			Longitude:	-75.7420150149643
Audit No:	Z52528			Y:	45.25023748099345
Path:	704\7047099.pdf			X:	-75.74201485381519
<u>1</u>	2 of 7	-/0.0	93.5 / 0.00	2051375 Ontario Ltd. 3853 CAMBRIAN ROAD NEPEAN ON	GEN
Generator No:	ON9617431				
SIC Code:	111999				
SIC Description:	All Other Miscellaneous Crop Farming				
Approval Years:	06				
PO Box No:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country: Status: Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class:	221				
Waste Class Name:	LIGHT FUELS				
1	3 of 7	-/0.0	93.5 / 0.00	3853 Cambrian Road Ottawa ON	EHS
Order No:	20091026033			Nearest Intersection:	Cambrian Road and Cedarview Road
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	11/4/2009			Search Radius (km):	0.25
Date Received:	10/26/2009			X:	-75.754342
Previous Site Name:				Y:	45.247
Lot/Building Size:					
Additional Info Ordered:					
1	4 of 7	-/0.0	93.5 / 0.00	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	EHS
Order No:	22080801094			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-AUG-22			Search Radius (km):	.25
Date Received:	08-AUG-22			X:	-75.7482511
Previous Site Name:				Y:	45.2479168
Lot/Building Size:					
Additional Info Ordered:					
1	5 of 7	-/0.0	93.5 / 0.00	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	EHS
Order No:	22080801094			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-AUG-22			Search Radius (km):	.25
Date Received:	08-AUG-22			X:	-75.7482511
Previous Site Name:				Y:	45.2479168
Lot/Building Size:					
Additional Info Ordered:					
1	6 of 7	-/0.0	93.5 / 0.00	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	EHS
Order No:	22080801094			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Date: 11-AUG-22 Date Received: 08-AUG-22 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Search Radius (km): .25 X: -75.7482511 Y: 45.2479168					
<u>1</u>	7 of 7	-/0.0	93.5 / 0.00	3853 and 3900 Cambrian Road, and 3508 Greenbank Road Ottawa ON K2J 0E9	EHS
Order No: 22080801094 Status: C Report Type: Standard Report Report Date: 11-AUG-22 Date Received: 08-AUG-22 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.7482511 Y: 45.2479168					
<u>2</u>	1 of 4	N/138.2	93.9 / 0.40	3850 Cambrian Road Nepean ON K2J 0T2	EHS
Order No: 22102400251 Status: C Report Type: RSC Report (Urban) Report Date: 27-OCT-22 Date Received: 24-OCT-22 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.74910653 Y: 45.24862544					
<u>2</u>	2 of 4	N/138.2	93.9 / 0.40	3850 Cambrian Road Nepean ON K2J 0T2	EHS
Order No: 22102400251 Status: C Report Type: RSC Report (Urban) Report Date: 27-OCT-22 Date Received: 24-OCT-22 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.74910653 Y: 45.24862544					
<u>2</u>	3 of 4	N/138.2	93.9 / 0.40	3850 Cambrian Road Nepean ON K2J 0T2	EHS
Order No: 22102400251 Status: C Report Type: RSC Report (Urban) Report Date: 27-OCT-22 Date Received: 24-OCT-22 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.74910653 Y: 45.24862544					
<u>2</u>	4 of 4	N/138.2	93.9 / 0.40	3850 Cambrian Road Nepean ON K2J 0T2	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 22102400251 Status: C Report Type: RSC Report (Urban) Report Date: 27-OCT-22 Date Received: 24-OCT-22 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .3 X: -75.74910653 Y: 45.24862544					
3	1 of 1	SE/176.8	94.1 / 0.60	ON	WWIS
Well ID: 7223434 Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: C19501 Tag: A122943 Constructn Method: Elevation (m): Elevatn Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: NEPEAN TOWNSHIP Site Info: PDF URL (Map): Additional Detail(s) (Map) Flowing (Y/N): Flow Rate: Data Entry Status: Yes Data Src: Date Received: 07/09/2014 Selected Flag: TRUE Abandonment Rec: Contractor: 7328 Form Version: 8 Owner: County: OTTAWA-CARLETON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Well Completed Date: 02/27/2012 Year Completed: 2012 Depth (m): Latitude: 45.2462393351815 Longitude: -75.7477608407118 Path:					
Bore Hole Information					
Bore Hole ID: 1004911661 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 02/27/2012 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Elevation: Elevrc: Zone: 18 East83: 441318.00 North83: 5010577.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Links</u>					
Bore Hole ID:	1004911661			Tag No:	A122943
Depth M:				Contractor:	7328
Year Completed:	2012			Latitude:	45.2462393351815
Well Completed Dt:	02/27/2012			Longitude:	-75.7477608407118
Audit No:	C19501			Y:	45.24623932780085
Path:				X:	-75.74776067982731

<u>4</u>	1 of 1	SSE/215.1	94.3 / 0.78	ON	WWIS
Well ID:	7400033			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	Yes
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	10/12/2021
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	C32294			Contractor:	7328
Tag:	A307272			Form Version:	8
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP				
Site Info:					

Bore Hole Information

Bore Hole ID:	1008813434			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441227.00
Code OB Desc:				North83:	5010493.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	09/03/2021			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Links

Bore Hole ID:	1008813434			Tag No:	A307272
Depth M:				Contractor:	7328
Year Completed:	2021			Latitude:	45.2454756732778
Well Completed Dt:	09/03/2021			Longitude:	-75.7489103821928
Audit No:	C32294			Y:	45.24547566591134
Path:				X:	-75.74891022034272

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	1 of 1	ENE/218.5	93.6 / 0.11	Cambrian Road Ottawa ON	EHS
Order No: 20180405002 Status: C Report Type: Standard Report Report Date: 11-APR-18 Date Received: 05-APR-18 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.747179 Y: 45.24865			
6	1 of 17	ESE/220.9	94.0 / 0.49	Minto Communities Inc. Lot 10, Concession 3 Part 1, Ref.4R-23178 Ottawa ON K1P 0B6	ECA
Approval No: 5675-8QZMJ3 Approval Date: 2012-02-17 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Minto Communities Inc. Address: Lot 10, Concession 3 Part 1, Ref.4R-23178 Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4095-8QNS5H-14.pdf PDF Site Location:		MOE District: Ottawa City: Longitude: -75.7468 Latitude: 45.2465 Geometry X: Geometry Y:			
6	2 of 17	ESE/220.9	94.0 / 0.49	Minto Communities Inc. Ottawa ON K1P 0B6	ECA
Approval No: 3275-8XLRU3 Approval Date: 2012-11-13 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Minto Communities Inc. Address: Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2304-8QNT74-14.pdf PDF Site Location:		MOE District: Ottawa City: Longitude: -75.7468 Latitude: 45.2465 Geometry X: Geometry Y:			
6	3 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Half Moon Bay West Ottawa ON	ECA
Approval No: 4315-95LRDH Approval Date: 2013-03-08 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS		MOE District: Ottawa City: Longitude: -75.7468 Latitude: 45.2465 Geometry X: Geometry Y:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		Mattamy (Half Moon Bay) Limited Half Moon Bay West https://www.accessenvironment.ene.gov.on.ca/instruments/5155-92RQ4Y-14.pdf			
6	4 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Half Moon Bay West Ottawa ON K2K 2M5	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		2429-9KJKRK 2014-06-12 Revoked and/or Replaced ECA IDS Rideau Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Mattamy (Half Moon Bay) Limited Half Moon Bay West https://www.accessenvironment.ene.gov.on.ca/instruments/0309-9GRS3H-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:		Ottawa Ottawa -75.7468 45.2465 			
6	5 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Half Moon Bay West Ottawa ON K2K 2M5	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		9983-A44ME4 2015-11-19 Approved ECA IDS Rideau Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Mattamy (Half Moon Bay) Limited Half Moon Bay West https://www.accessenvironment.ene.gov.on.ca/instruments/8745-9WFL3U-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:		Ottawa Ottawa -75.7468 45.2465 			
6	6 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Ottawa ON K2K 2M5	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		3029-ACNJPT 2016-08-12 Approved ECA IDS Rideau Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Mattamy (Half Moon Bay) Limited https://www.accessenvironment.ene.gov.on.ca/instruments/8935-ACJQFG-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:		Ottawa Ottawa -75.7468 45.2465 			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	7 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Ottawa ON K2K 2M5	ECA
Approval No: 1648-ADBLF9 Approval Date: 2016-09-19 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Half Moon Bay) Limited Address: Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5677-ACMJCN-14.pdf PDF Site Location:		MOE District: Ottawa City: Longitude: -75.7468 Latitude: 45.2465 Geometry X: Geometry Y:			
6	8 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Half Moon Bay West Ottawa ON K2K 2M5	ECA
Approval No: 1153-ACHP3E Approval Date: 2016-08-17 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Half Moon Bay) Limited Address: Half Moon Bay West Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1266-AASJFN-14.pdf PDF Site Location:		MOE District: Ottawa City: Longitude: -75.7468 Latitude: 45.2465 Geometry X: Geometry Y:			
6	9 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Geo. Twp. of Nepean Ottawa ON K2S 1B9	ECA
Approval No: 8279-7XBM9P Approval Date: 2009-11-09 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Half Moon Bay) Limited Address: Geo. Twp. of Nepean Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6252-7T3KE3-14.pdf PDF Site Location:		MOE District: Ottawa City: Longitude: -75.7468 Latitude: 45.2465 Geometry X: Geometry Y:			
6	10 of 17	ESE/220.9	94.0 / 0.49	Minto Communities Inc. Ottawa ON K1P 0B6	ECA
Approval No: 3635-975KJ5 Approval Date: 2013-04-30		MOE District: Ottawa City:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Minto Communities Inc. Address: Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6385-8ZVH2V-14.pdf PDF Site Location:					
<u>6</u>	11 of 17	ESE/220.9	94.0 / 0.49	McNeil Farm Limited Ottawa ON K2P 1P9	ECA
Approval No: 5053-7EWPXU Approval Date: 2008-05-27 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: McNeil Farm Limited Address: Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5035-7ETP68-14.pdf PDF Site Location:					
<u>6</u>	12 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Geo. Twp. of Nepean Ottawa ON K2S 1B9	ECA
Approval No: 7789-7T4L5U Approval Date: 2009-06-17 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Half Moon Bay) Limited Address: Geo. Twp. of Nepean Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4764-7T3K6J-14.pdf PDF Site Location:					
<u>6</u>	13 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Geo. Twp. of Nepean Ottawa ON K2S 1B9	ECA
Approval No: 9042-7T4KXA Approval Date: 2009-06-17 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		Mattamy (Half Moon Bay) Limited Geo. Twp. of Nepean			
6	14 of 17	ESE/220.9	94.0 / 0.49	McNeil Farm Limited Ottawa ON K2P 1P9	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		9411-7EZHU6 2008-05-27 Approved ECA IDS Rideau Valley ECA-Municipal Drinking Water Systems Municipal Drinking Water Systems McNeil Farm Limited MOE District: Ottawa City: Longitude: -75.74680000000001 Latitude: 45.246500000000005 Geometry X: Geometry Y:			
6	15 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Half Moon Bay West Ottawa ON K2K 2M5	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		6068-AWUPL5 2018-04-11 Approved ECA IDS Rideau Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Mattamy (Half Moon Bay) Limited Half Moon Bay West https://www.accessenvironment.ene.gov.on.ca/instruments/9793-AW2MR8-14.pdf			
6	16 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay) Limited Ottawa ON K2K 2M5	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		2725-B5VKYF 2018-10-30 Approved ECA IDS Rideau Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS Mattamy (Half Moon Bay) Limited https://www.accessenvironment.ene.gov.on.ca/instruments/2889-B5GHBE-14.pdf			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	17 of 17	ESE/220.9	94.0 / 0.49	Mattamy (Half Moon Bay 3) Limited Half Moon Bay West Ottawa ON K2K 2M5	ECA
Approval No: 1923-BZGMLG Approval Date: 2021-04-08 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Half Moon Bay 3) Limited Address: Half Moon Bay West Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7216-BY2S7G-14.pdf PDF Site Location: MOE District: Ottawa City: Longitude: -75.7468 Latitude: 45.2465 Geometry X: -8432095.2052 Geometry Y: 5660411.703799999					

Unplottable Summary

Total: 69 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 10 Con 3	Nepean ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant	Part of Lot 11, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Mattamy (Half Moon Bay 3) Limited		Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	McNeil Farm Limited		Ottawa ON	
CA	McNeil Farm Limited		Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean	Ottawa ON	
CA	McNeil Farm Limited	Rideau Front, Geographic Township of Nepean	Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited	Geo. Twp. of Nepean	Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited	Rideau Front, Geographic Township of Nepean	Ottawa ON	
CA	McNeil Farm Limited		Ottawa ON	
CA	McNeil Farm Limited		Ottawa ON	

CA	Mattamy (Half Moon Bay) Limited	Rideau Front, Geographic Township of Nepean	Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CA	Mattamy (Half Moon Bay) Limited		Ottawa ON	
CONV	Mattamy (Half Moon Bay) Limited		Ottawa ON	
EBR	Minto Communities		ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
ECA	Mattamy (Half Moon Bay 3) Limited	West of Greenbank Rd 500 m south of Cambrian Road	Ottawa ON	K2K 2M5
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2S 1B9
ECA	Mattamy (Half Moon Bay 3) Limited		Ottawa ON	K2S 1B9
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Mattamy (Half Moon Bay) Limited	Rideau Front, Geographic Township of Nepean	Ottawa ON	K2S 1B9
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2S 1B9
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Mattamy (Half Moon Bay 3) Limited	Greenbank Rd West of, 500m South of Cambrian Road	Ottawa ON	K2K 2M5
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Mattamy (Half Moon Bay) Limited	Rideau Front, Geographic Township of Nepean	Ottawa ON	K2S 1B9
ECA	Mattamy (Half Moon Bay 3) Limited	West of Greenbank Rd 500 m South of Cambrian Road	Ottawa ON	K2K 2M5
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2K 2M5
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Mattamy (Half Moon Bay) Limited		Ottawa ON	K2K 2M5
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Mattamy (Half Moon Bay 3) Limited	West of Greenbank Road, South of Cambrian Road	Ottawa ON	K2K 2M5
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
LIMO		RR #1 Part of Lot 10	Ottawa ON	
LIMO		Lot 10 Concession 3 Ottawa	ON	
PTTW	Mattamy (Half Moon Bay) Limited	Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City	of Ottawa CITY OF OTTAWA Nepean ON	
PTTW	Minto Communities Inc.		ON	
PTTW	Mattamy (Half Moon Bay) Limited	Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA	ON	
PTTW	Taggart Construction Limited	Cambrian Road Lot: 11 & 12, Concession: 2, near Greenbank Road (Half Moon Bay (Tamarack)), Ottawa, City + + + Strandherd Drive Lot: 14 & 15, Concession: 3,	at Fraser-Clark Drain, Ottawa, City CITY OF OTTAWA Nepean ON	
PTTW	Minto Communities Inc.		ON	
SPL	Tomlinson Environmental	End of Cambrian Rd.	Ottawa ON	

WWIS	lot 10	ON
WWIS	lot 10	ON
WWIS	lot 11	ON
WWIS	lot 10	ON
WWIS	lot 10	ON
WWIS	lot 10	ON

Unplottable Report

Site: Lot 10 Con 3 Nepean ON

Database:
AAGR

Type: Pit
Region/County: Ottawa-Carleton
Township: Nepean
Concession: 3
Lot: 10
Size (ha): 11
Landuse:
Comments:

Site: Mattamy (Half Moon Bay) Limited
Ottawa ON

Database:
CA

Certificate #: 0804-89QHMu
Application Year: 2010
Issue Date: 10/4/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Morgan's Grant Subdivision Phase 9
Lot 10, Concession 3 Ottawa ON

Database:
CA

Certificate #: 1411-4UMSZM
Application Year: 01
Issue Date: 3/10/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Installation of watermain on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants:
Emission Control:

Site: Morgan's Grant Subdivision Phase 6, 7 & 8
Lot 10, Concession 3 Ottawa ON

Database:
CA

Certificate #: 8414-53CPMC
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.

Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Construction of Watermains for Residential Development in Morgan's Grant Subdivision Phase 6, 7 & 8.
Contaminants:
Emission Control:

Site: **Morgan's Grant**
Part of Lot 11, Concession 3 Ottawa ON

Database:
CA

Certificate #: 8692-54QSUG
Application Year: 01
Issue Date: 12/21/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Stormwater management facility providing water quantity and quality control.
Contaminants:
Emission Control:

Site: **Morgan's Grant Subdivision Phase 9**
Lot 10, Concession 3 Ottawa ON

Database:
CA

Certificate #: 0828-4UMQX6
Application Year: 01
Issue Date: 3/10/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Installation of storm and sanitary sewers in Morgan's Grant Subdivision Phase 9, on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants:
Emission Control:

Site: **Morgan's Grant Subdivision Phase 6, 7 & 8**
Lot 10, Concession 3 Ottawa ON

Database:
CA

Certificate #: 8761-53CPYZ
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Construction of Storm and Sanitary Sewers for Residential Development Morgan's Grant Subdivision Phase 6, 7, & 8
Contaminants:
Emission Control:

Site: **Mattamy (Half Moon Bay 3) Limited**
Ottawa ON

Database:
CA

Certificate #: 2539-8KRPBJ

Application Year: 2011
Issue Date: 8/18/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Mattamy (Half Moon Bay) Limited**
Ottawa ON

Database:
CA

Certificate #: 9696-8ASHGQ
Application Year: 2010
Issue Date: 11/12/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Mattamy (Half Moon Bay) Limited**
Ottawa ON

Database:
CA

Certificate #: 9531-7EZK5S
Application Year: 2008
Issue Date: 6/5/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **McNeil Farm Limited**
Ottawa ON

Database:
CA

Certificate #: 8807-7K3QG3
Application Year: 2008
Issue Date: 10/10/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **McNeil Farm Limited**
 Ottawa ON

Database:
CA

Certificate #: 8775-7LJH2S
Application Year: 2008
Issue Date: 11/19/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Mattamy (Half Moon Bay) Limited**
 Geo. Twp. of Nepean Ottawa ON

Database:
CA

Certificate #: 8279-7XBM9P
Application Year: 2009
Issue Date: 11/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **McNeil Farm Limited**
 Rideau Front, Geographic Township of Nepean Ottawa ON

Database:
CA

Certificate #: 7824-7JDL92
Application Year: 2008
Issue Date: 9/12/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Mattamy (Half Moon Bay) Limited**
 Geo. Twp. of Nepean Ottawa ON

Database:
CA

Certificate #: 7789-7T4L5U
Application Year: 2009
Issue Date: 6/17/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Site: **Mattamy (Half Moon Bay) Limited**
Rideau Front, Geographic Township of Nepean Ottawa ON

Database:
CA

Certificate #: 6638-7FQSS8
Application Year: 2008
Issue Date: 7/11/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **McNeil Farm Limited**
Ottawa ON

Database:
CA

Certificate #: 6612-7WMSC3
Application Year: 2009
Issue Date: 10/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **McNeil Farm Limited**
Ottawa ON

Database:
CA

Certificate #: 5053-7EWPXU
Application Year: 2008
Issue Date: 5/27/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Mattamy (Half Moon Bay) Limited**
Rideau Front, Geographic Township of Nepean Ottawa ON

Database:
CA

Certificate #: 4522-7FBRPC
Application Year: 2008
Issue Date: 6/13/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Mattamy (Half Moon Bay) Limited*
Ottawa ON

Database:
CA

Certificate #: 4308-7GZQPE
Application Year: 2008
Issue Date: 8/21/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Minto Communities Inc.*
Ottawa ON

Database:
CA

Certificate #: 3058-7JZKTF
Application Year: 2008
Issue Date: 10/7/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Mattamy (Half Moon Bay) Limited*
Ottawa ON

Database:
CA

Certificate #: 2758-7X2KYB
Application Year: 2009
Issue Date: 10/22/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Mattamy (Half Moon Bay) Limited*
Ottawa ON

Database:
CONV

File No: 073001

Crown Brief No:

Court Location:

Publication City:

Publication Title:

Act:

Act(s):

First Matter:

Second Matter:

Investigation 1:

Investigation 2:

Penalty Imposed:

Description:

On June 24, 2010, Mattamy (Half Moon Bay) Limited was convicted of two violations for operating a waste disposal site without a Certificate of Approval and failing to conduct a waste audit covering the waste. The Court heard that the company is developing a residential housing subdivision known as Half Moon Bay in the City of Ottawa. On March 21, 2009, ministry staff conducted an inspection of the housing development and observed an employee burning wood waste in an open fire pit. The employee indicated it was the company's practice to burn leftover wood materials at the construction site. No approval had been issued by the ministry. In April 2009, ministry staff followed up with the company and inquired whether it had completed a waste audit and learned that it had not. The company completed and provided a final waste audit to the ministry on May 7, 2009. The company was charged following an investigation by the ministry's Investigations and Enforcement Branch. The company was fined \$24,000 plus a victim fine surcharge and given 60 days to pay the fine.

Background:

URL:

Additional Details

Publication Date:

Count: 2

Act:

Regulation:

Section:

Act/Regulation/Section:

Date of Offence:

Date of Conviction:

Date Charged: June 24, 2010

Charge Disposition: fine, victim fine surcharge

Fine: \$24,000

Synopsis:

Site: Minto Communities
ON

Database:
[EBR](#)

EBR Registry No: 019-2808
Ministry Ref No: KV-C-001-19
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: December 4, 2020
Year: 2020

Decision Posted: February 26, 2021
Exception Posted:
Section: Section 17 (2) (c)
Act 1: Endangered Species Act , R.S.O. 2007
Act 2: Endangered Species Act, 2007
Site Location Map:

Instrument Type: Permit for activities to achieve an overall benefit to a species
Off Instrument Name: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address:
Location Other:
Proponent Name: Minto Communities
Proponent Address: Minto Communities 180 Kent Street Unit 200 Ottawa, ON K1P 0B6 Canada
Comment Period: December 4, 2020 - January 3, 2021 (30 days) Closed
URL: <https://ero.ontario.ca/notice/019-2808>

Site Location Details:

Part of Lot 12, Concession 4, Township of March, Ottawa

Site: Minto Communities Inc.

Database:
[EBR](#)

EBR Registry No: 013-0315
Ministry Ref No: MNRF INST 30/17
Notice Type: Instrument Decision
Notice Stage:
Notice Date: September 28, 2017
Proposal Date: April 10, 2017
Year: 2017
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: **Mattamy (Half Moon Bay 3) Limited**
West of Greenbank Rd 500 m south of Cambrian Road Ottawa ON K2K 2M5
Database: **ECA**
Approval No: 9081-9NEH6Y
Approval Date: 2014-08-29
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay 3) Limited
Address: West of Greenbank Rd 500 m south of Cambrian Road
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0883-9N5RWD-14.pdf>
PDF Site Location:

Site: **Mattamy (Half Moon Bay) Limited**
Ottawa ON K2S 1B9
Database: **ECA**
Approval No: 6310-7EVLSJ
Approval Date: 2008-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: Mattamy (Half Moon Bay) Limited
Address:
Full Address:
Full PDF Link:
PDF Site Location:

Site: **Mattamy (Half Moon Bay 3) Limited**
Ottawa ON K2S 1B9
Database: **ECA**
Approval No: 2539-8KRPBJ
Approval Date: 2011-08-18
MOE District:
City:

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay 3) Limited
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2386-8KKHNN-14.pdf>
PDF Site Location:

Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 2268-9WYR3F
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf>
PDF Site Location:

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

Site: **Mattamy (Half Moon Bay) Limited**
Rideau Front, Geographic Township of Nepean Ottawa ON K2S 1B9

Database:
ECA

Approval No: 4522-7FBRPC
Approval Date: 2008-06-13
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay) Limited
Address: Rideau Front, Geographic Township of Nepean
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0088-7F4LRQ-14.pdf>
PDF Site Location:

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

Site: **Mattamy (Half Moon Bay) Limited**
Ottawa ON K2S 1B9

Database:
ECA

Approval No: 9531-7EZK5S
Approval Date: 2008-06-05
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay) Limited
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9564-7EPREX-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0606-AHXJCH
Approval Date: 2017-02-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7661-ABCKQL
Approval Date: 2016-06-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf>
PDF Site Location:

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

Site: Mattamy (Half Moon Bay 3) Limited
Greenbank Rd West of, 500m South of Cambrian Road Ottawa ON K2K 2M5

Database:
ECA

Approval No: 4191-A2WP9Y
Approval Date: 2015-10-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay 3) Limited
Address: Greenbank Rd West of, 500m South of Cambrian Road
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5535-A2GQTG-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8270-A3ZLU2
Approval Date: 2015-11-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8813-9WYQ2J
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf>
PDF Site Location:

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

Site: Mattamy (Half Moon Bay) Limited
Rideau Front, Geographic Township of Nepean Ottawa ON K2S 1B9

Database:
ECA

Approval No: 6638-7FQSS8
Approval Date: 2008-07-11
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay) Limited
Address: Rideau Front, Geographic Township of Nepean
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0913-7FQQC5-14.pdf>
PDF Site Location:

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

Site: Mattamy (Half Moon Bay 3) Limited
West of Greenbank Rd 500 m South of Cambrian Road Ottawa ON K2K 2M5

Database:
ECA

Approval No: 9789-9XEJEL
Approval Date: 2015-06-12
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay 3) Limited
Address: West of Greenbank Rd 500 m South of Cambrian Road
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1906-9WJHV5-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7598-94TRX3
Approval Date: 2013-02-26
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type:
Project Type:
Business Name:
Address:
Full Address:
Full PDF Link:
PDF Site Location:

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

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1720-AKJGKQ
Approval Date: 2017-03-24
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQZ-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3128-AQGJ6T
Approval Date: 2017-08-23
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf>
PDF Site Location:

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

Site: **Mattamy (Half Moon Bay) Limited**
Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5

Database:
ECA

Approval No: 8294-AWMJGE
Approval Date: 2018-03-09
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay) Limited
Address: Part of Lot 11 and 12, Concession 3 (Rideau Front)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0576-AW2MCL-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8605-AYUHJG
MOE District:

Approval Date: 2018-05-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf>
PDF Site Location:

City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Mattamy (Half Moon Bay) Limited**
Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5

Database:
ECA

Approval No: 2335-B5VJMM
Approval Date: 2018-10-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay) Limited
Address: Part of Lot 11 and 12, Concession 3 (Rideau Front)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3780-B5EM6Y-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6142-BEJHCE
Approval Date: 2019-08-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf>
PDF Site Location:

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

Site: **Mattamy (Half Moon Bay) Limited**
Ottawa ON K2K 2M5

Database:
ECA

Approval No: 3997-BF2GWX
Approval Date: 2019-08-16
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay) Limited
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7167-BEKRBP-14.pdf>
PDF Site Location:

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

Site: *Minto Communities Inc.*
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6432-CA6MRC
Approval Date: January 18, 2022
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: South Nation
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2726-C9PS46-14.pdf>
PDF Site Location: Avalon South Stormwater Management Facility Expansion
Neighbourhood 4
Lot 4, Concession 10
City of Ottawa, Ontario

MOE District: Ottawa
City:
Longitude:
Latitude:
Geometry X: -8402261.5817000009
Geometry Y: 5691103.7277999958

Site: *Mattamy (Half Moon Bay) Limited*
Ottawa ON K2K 2M5

Database:
ECA

Approval No: 3263-BKWJW9
Approval Date: 2020-01-28
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay) Limited
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7762-BKGSBE-14.pdf>
PDF Site Location:

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

Site: *Minto Communities Inc.*
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3002-8PBSB4
Approval Date: 2012-01-31
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf>
PDF Site Location:

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

Site: *Minto Communities Inc.*
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1554-8Y2HZ6
Approval Date: 2012-09-14
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

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

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf>
PDF Site Location:

Site: **Mattamy (Half Moon Bay 3) Limited** **Database:**
West of Greenbank Road, South of Cambrian Road Ottawa ON K2K 2M5 **ECA**

Approval No: 1400-8Y3RNK **MOE District:**
Approval Date: 2012-09-18 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Mattamy (Half Moon Bay 3) Limited
Address: West of Greenbank Road, South of Cambrian Road
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0312-8XLQPD-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.** **Database:**
Ottawa ON K1P 0B6 **ECA**

Approval No: 3053-8YJNWU **MOE District:**
Approval Date: 2012-10-01 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.** **Database:**
Ottawa ON K1P 0B6 **ECA**

Approval No: 7971-9EAST8 **MOE District:**
Approval Date: 2014-01-10 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.** **Database:**
Ottawa ON K1P 0B6 **ECA**

Approval No: 7202-97BLB4 **MOE District:**
Approval Date: 2013-05-23 **City:**

Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf>
PDF Site Location:

Site: **RR #1 Part of Lot 10 Ottawa ON**

Database:
LIMO

ECA/Instrument No: A460301
Operation Status: Closed
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details:
Service Area:
Page URL:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Apprv Cap Unit:
Financial Assurance:
Last Report Year:
Region: Eastern
District Office: Ottawa
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site:**Lot 10 Concession 3 Ottawa ON****Database:****LIMO**

ECA/Instrument No: X9015
Operation Status: Historic
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type: Historic and Closed Landfills
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details: Lot 10 Concession 3
Ottawa
Service Area:
Page URL:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Apprv Cap Unit:
Financial Assurance:
Last Report Year:
Region:
District Office:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: Mattamy (Half Moon Bay) Limited**Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City of Ottawa CITY OF OTTAWA Nepean ON****Database:****PTTW**

EBR Registry No: 012-5618
Ministry Ref No: 6071-A3PQPJ
Notice Type: Instrument Decision
Notice Stage:
Notice Date: February 01, 2016
Proposal Date: November 03, 2015
Year: 2015
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Mattamy (Half Moon Bay) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2360 Bristol Circle, Oakville Ontario, Canada L6H 6M5
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lot: 10-12, Concession: 3, Original Geographic Township of Nepean, City of Ottawa Lot 8-9 and Concession 3, Original Geographic Township of Nepean, City of Ottawa CITY OF OTTAWA Nepean

**Site: Minto Communities Inc.
ON****Database:****PTTW**

EBR Registry No: 012-9800
Ministry Ref No: 5771-AJEJDR
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 06, 2017
Proposal Date: February 13, 2017
Year: 2017
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa
 GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA
 CITY OF OTTAWA

Site: **Mattamy (Half Moon Bay) Limited**
Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA ON

Database:
PTTW

EBR Registry No: 010-5959
Ministry Ref No: 8783-7PCUC4
Notice Type: Instrument Decision
Notice Stage:
Notice Date: June 26, 2009
Proposal Date: February 20, 2009
Year: 2009
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Mattamy (Half Moon Bay) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA

Site: **Taggart Construction Limited**
Cambrian Road Lot: 11 & 12, Concession: 2, near Greenbank Road (Half Moon Bay (Tamarack)), Ottawa, City + + +
+ Strandherd Drive Lot: 14 & 15, Concession: 3, at Fraser-Clark Drain, Ottawa, City CITY OF OTTAWA Nepean ON

Database:
PTTW

EBR Registry No: 010-3795
Ministry Ref No: 1231-7FFJA4
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 28, 2009
Proposal Date: June 20, 2008
Year: 2008
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Company Name: Taggart Construction Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 3187 Albion Rd S, Ottawa Ontario, K1V 8Y3
Comment Period:
URL:

Site Location Details:

Cambrian Road Lot: 11 & 12, Concession: 2, near Greenbank Road (Half Moon Bay (Tamarack)), Ottawa, City + + + Strandherd Drive Lot: 14 & 15, Concession: 3, at Fraser-Clark Drain, Ottawa, City CITY OF OTTAWA Nepean

Site: **Minto Communities Inc.**
ON

Database:
PTTW

EBR Registry No: 011-4898
Ministry Ref No: 3046-8MLKW5
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 17, 2014
Proposal Date: November 04, 2011
Year: 2011
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa
GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555,
, LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: **Tomlinson Environmental Services Ltd**
End of Cambrian Rd. Ottawa ON

Database:
SPL

Ref No: 0460-BAENYX
Year:
Incident Dt: 3/19/2019
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/19/2019
Dt Document Closed: 3/22/2019
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Construction Site of Service Road<UNOFFICIAL>
Site Address: End of Cambrian Rd.
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing: 5010166.45

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Agency Involved:

Easting: 440258.48
Incident Cause:
Incident Event: Leak/Break
Environment Impact:
Nature of Impact:
Contaminant Qty: 7.6 L
System Facility Address:
Client Name: Tomlinson Environmental Services Ltd
Client Type: Corporation
Source Type: Valve/Fitting/Piping
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Receiving Medium: Land; Surface Water; Source Water Zone
Incident Reason: Material Failure - Poor Design/Substandard Material
Incident Summary: Tomlinson: 3.8-7.6L Hydraulic Oil to Ground & Drainage Ditch, Contained
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Industrial
SAC Action Class: Watercourse Spills
Call Report Locatn Geodata:

Site: lot 10 ON **Database:** [WWIS](#)

Well ID:	1518764	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Domestic	Data Entry Status:	
Use 2nd:		Data Src:	1
Final Well Status:	Water Supply	Date Received:	01/10/1984
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:		Contractor:	3644
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	010
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	CON
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10040634	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	11/25/1983	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: 931039483
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 44.0
Formation End Depth: 88.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931039484
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 82
Mat2 Desc: SHALY
Mat3:
Mat3 Desc:
Formation Top Depth: 88.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931039482
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 44.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961518764
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10589204
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930070942
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 90.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070943
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 105.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991518764
Pump Set At:
Static Level: 0.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 20.0
Pumping Rate: 20.0
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: 934650481
Test Type:
Test Duration: 45
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934900018
Test Type:
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103240
Test Type:

Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934380498
Test Type:
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933475561
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 100.0
Water Found Depth UOM: ft

Site:
lot 10 ON

Database:
[WWIS](#)

Well ID:	1535825	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:		Date Received:	09/29/2005
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z17653	Contractor:	6907
Tag:		Form Version:	3
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliability:		Lot:	010
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:	11316364	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	
Date Completed:	09/22/2005	UTMRC Desc:	
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: 932997254
Layer: 2
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 19.0
Formation End Depth: 77.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932997253
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961535825
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11331219
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 11345704
Pump Set At: 75.0
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Site:

lot 11 ON

Database:
[WWIS](#)

Well ID: 1534269
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Not A Well
Water Type:
Casing Material:
Audit No: 265848
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/17/2003
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6907
Form Version: 2
Owner:
County: OTTAWA-CARLETON
Lot: 011
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097321
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/26/2003
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Method of Construction & Well Use

Method Construction ID: 961534269
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11101036
Casing No: 1
Comment:
Alt Name:

Site:

lot 10 ON

Database:
[WWIS](#)

Well ID: 1524890
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/17/1990

Water Type:
Casing Material:
Audit No: 56337
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 010
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046633
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/25/1990
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931059404
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059405
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 90.0

Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931059406
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 90.0
Formation End Depth: 106.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931059407
Layer: 4
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 106.0
Formation End Depth: 108.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961524890
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595203
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081654
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 108.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991524890
Pump Set At:
Static Level: 0.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 60.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 15.0
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: 934903633
Test Type:
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385896
Test Type:
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110488
Test Type:
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655256
Test Type:
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933483660
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 108.0
Water Found Depth UOM: ft

Site:
lot 10 ON

Database:
[WWIS](#)

Well ID: 1521663
Construction Date:
Use 1st: Domestic

Flowing (Y/N):
Flow Rate:
Data Entry Status:

Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 08597
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Data Src: 1
Date Received: 08/14/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 010
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043485
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/28/1987
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931048778
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 59.0
Formation End Depth: 150.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048779
Layer: 4
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:

Formation Top Depth: 150.0
Formation End Depth: 225.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931048777
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 45.0
Formation End Depth: 59.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931048776
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961521663
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592055
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075978
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 62.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075979
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 225.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991521663
Pump Set At:
Static Level: 50.0
Final Level After Pumping: 220.0
Recommended Pump Depth: 220.0
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 934391799
Test Type:
Test Duration: 30
Test Level: 220.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107556
Test Type:
Test Duration: 15
Test Level: 220.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652800
Test Type:
Test Duration: 45
Test Level: 220.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910031
Test Type:
Test Duration: 60
Test Level: 220.0
Test Level UOM: ft

Water Details

Water ID: 933479327
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 215.0
Water Found Depth UOM: ft

Site:
lot 10 ON

Database:
[WWIS](#)

Well ID: 1521190
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 02155
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/10/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 010
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043026
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/28/1986
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 931047133
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 54.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931047134
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 54.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961521190
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591596
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075107
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 80.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991521190
Pump Set At:
Static Level: 2.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 30.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 8.0
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: 934908365
Test Type:
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105889
Test Type:
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389008
Test Type:
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651136
Test Type:
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933478678
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System:

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Oct 31, 2023

Borehole:

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Oct 31, 2023

Compressed Natural Gas Stations:

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Nov 2023

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jan 2024

Certificates of Property Use:

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Feb 29, 2024

Drill Hole Database:

Provincial

[DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks:

Provincial

[DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval). Please see our ECA database.

Government Publication Date: Oct 2011-Feb 29, 2024

Environmental Registry:

Provincial

[EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Feb 29, 2024

Environmental Compliance Approval:

Provincial

[ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Feb 29, 2024

Environmental Effects Monitoring:

Federal

[EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Dec 31, 2023

Environmental Issues Inventory System:

Federal

[EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIIS 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 is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

[NPCB](#)

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008***National Pollutant Release Inventory 1993-2020:**

Federal

[NPR2](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020**National Pollutant Release Inventory - Historic:**

Federal

[NPRI](#)

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

[OGWE](#)

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Feb 29, 2024**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2023**Inventory of PCB Storage Sites:**

Provincial

[OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**Orders:**

Provincial

[ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Feb 29, 2024

Canadian Pulp and Paper:

Private

[PAP](#)

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

[PES](#)

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Feb 29, 2024

NPRI Reporters - PFAS Substances:

Federal

[PFCH](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS 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 is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks:

Provincial

[PRT](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

[PTTW](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Feb 29, 2024

Ontario Regulation 347 Waste Receivers Summary:

Provincial

[REC](#)

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition:

Provincial

[RSC](#)

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Feb 2024

Retail Fuel Storage Tanks:

Private

[RST](#)

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory:

Private

[SCT](#)

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

[SPL](#)

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Jan 2023; Mar 2023-Dec 2023

Wastewater Discharger Registration Database:

Provincial

[SRDS](#)

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private

[TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

[TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Feb 29, 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 F

AERIAL PHOTOGRAPHS

Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076



HISTORICAL AERIALS

Project Property: Half Moon Bay - Cambrian Road

3853 Cambrian Road

Ottawa ON K2J 5P5

Project No: ER1076

Requested By: CM3 Environmental Inc.

Order No: 24041800350

Date Completed: April 24, 2024

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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	
2015	City of Ottawa	10,000	
2008	Government of Ontario	10,000	
1996	National Air Photo Library	10,000	
1987	National Air Photo Library	10,000	
1976	City of Ottawa	10,000	
1963	National Air Photo Library	10,000	
1953	National Air Photo Library	10,000	
1945	National Air Photo Library	10,000	
1930	Decade Coverage Unavailable	10,000	
1920	Decade Coverage Unavailable	10,000	

Environmental Risk Information Services

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250
Meters



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

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



Year: 2015
Source: OTTAWA
Scale: 10,000
Comment:

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



Year: 2008
Source: GON
Scale: 10,000
Comment:

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



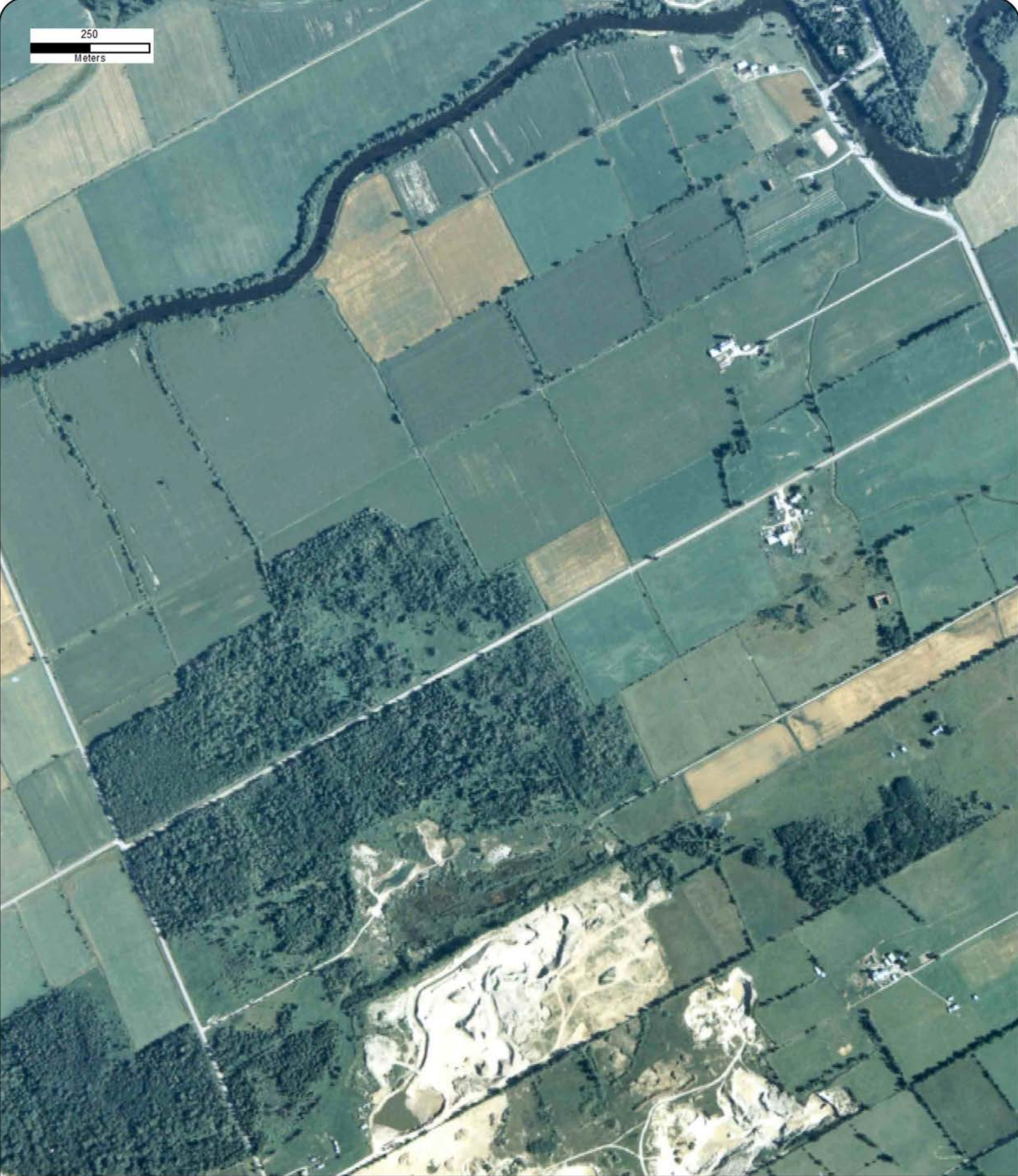
Year: 1996
Source: NAPL
Scale: 10,000
Comment:

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



Year: 1987
Source: NAPL
Scale: 10,000
Comment:

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



Year: 1976
Source: OTTAWA
Scale: 10,000
Comment:

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



Year: 1963
Source: NAPL
Scale: 10,000
Comment:

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



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

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



250
Meters



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

Address: 3853 Cambrian Road, Ottawa, ON
Approx Center: -75.7493168,45.24739

Order No: 24041800350



APPENDIX G

ERIS PHYSICAL SETTING REPORT

Phase One Environmental Site Assessment

3853 Cambrian Road

Ottawa, Ontario

Ottawa-Carleton District School Board

ER1076



Property Information

Order Number:	24041800350p
Date Completed:	April 19, 2024
Project Number:	ER1076
Project Property:	Half Moon Bay - Cambrian Road 3853 Cambrian Road Ottawa ON K2J 5P5
Coordinates:	
Latitude:	45.24739
Longitude:	-75.7493168
UTM Northing:	5010705.96256 Metres
UTM Easting:	441197.080353 Metres
UTM Zone:	UTM Zone 18T
Elevation:	93.53 m
Slope Direction:	SE

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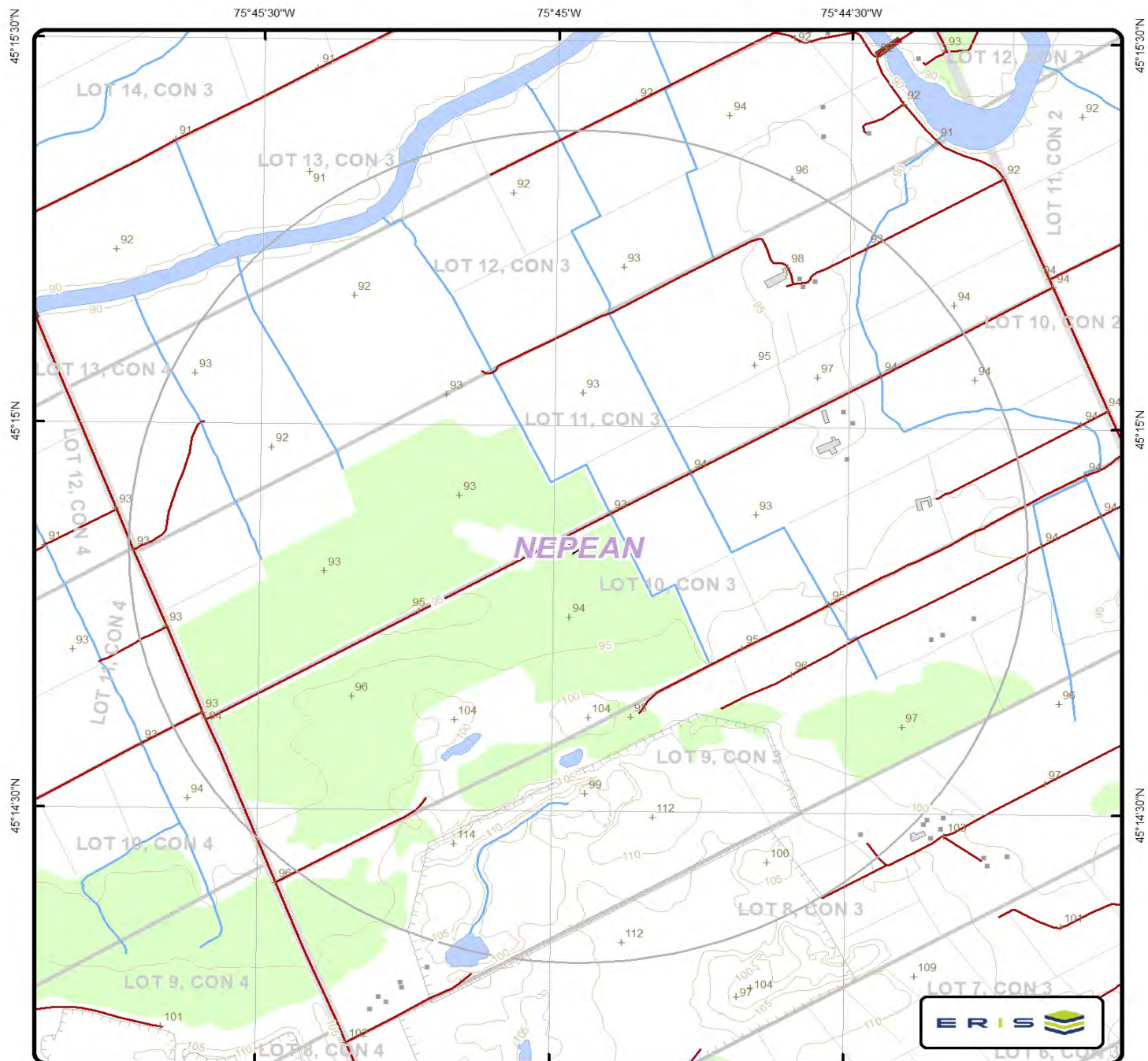
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography as well as hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, and radon 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: 3853 Cambrian Road, Ottawa, ON

0 0.2 0.4 0.8 KM



+	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	■	Municipality	■	Nature Reserve
---	Trail	■	Building to Scale	■	Land Ownership		

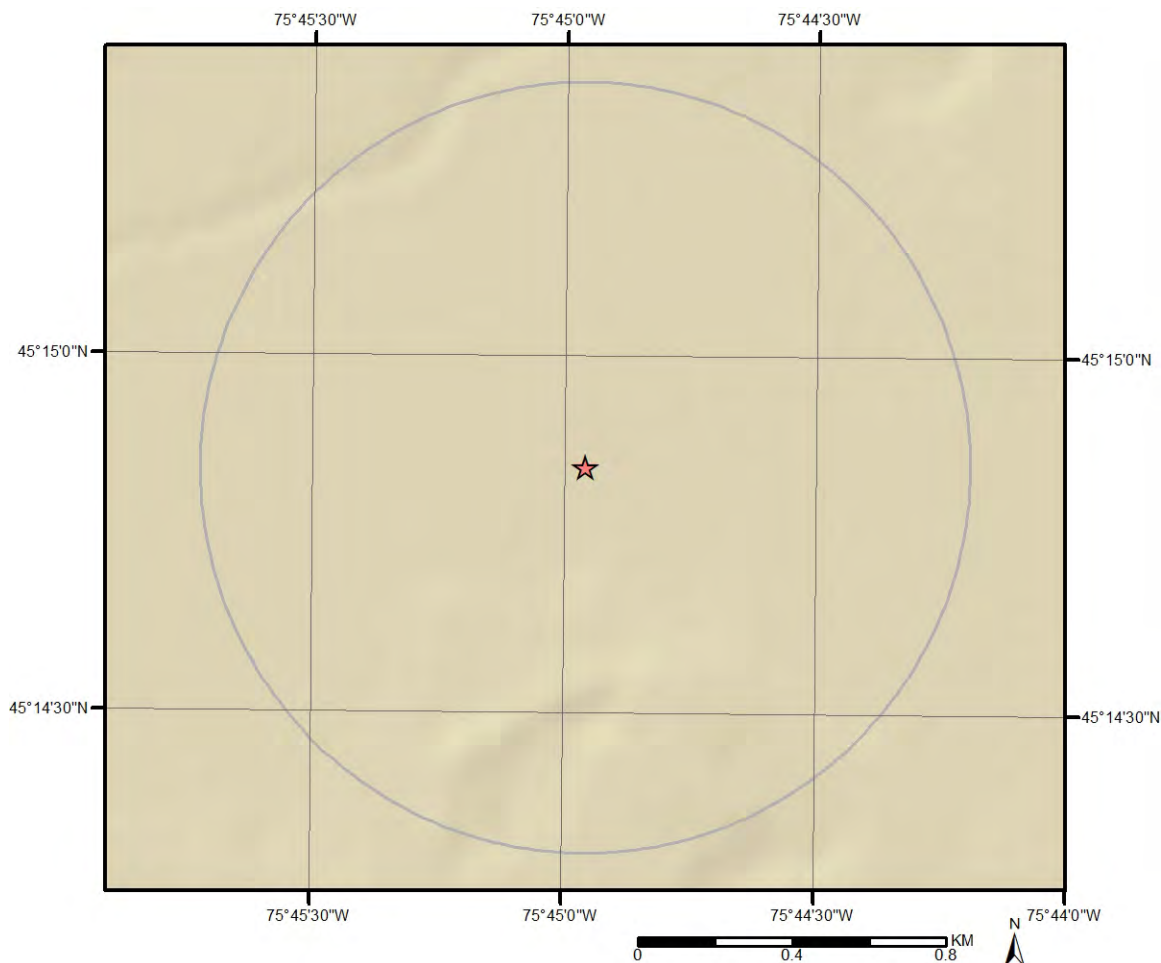
Data source: Ontario Base Mapping (OBM) by Ontario Ministry of Natural Resources.

Topographic Information

The previous topographic map(s) show general topographic information in the surrounding area of the project property, using Toporama data or a provincial source when available. Below are shaded relief map(s), derived from Digital Elevation data to depict terrain in further detail.

Topographic information at project property:

Elevation: 93.53 m
Slope Direction: SE



Hydrologic Information

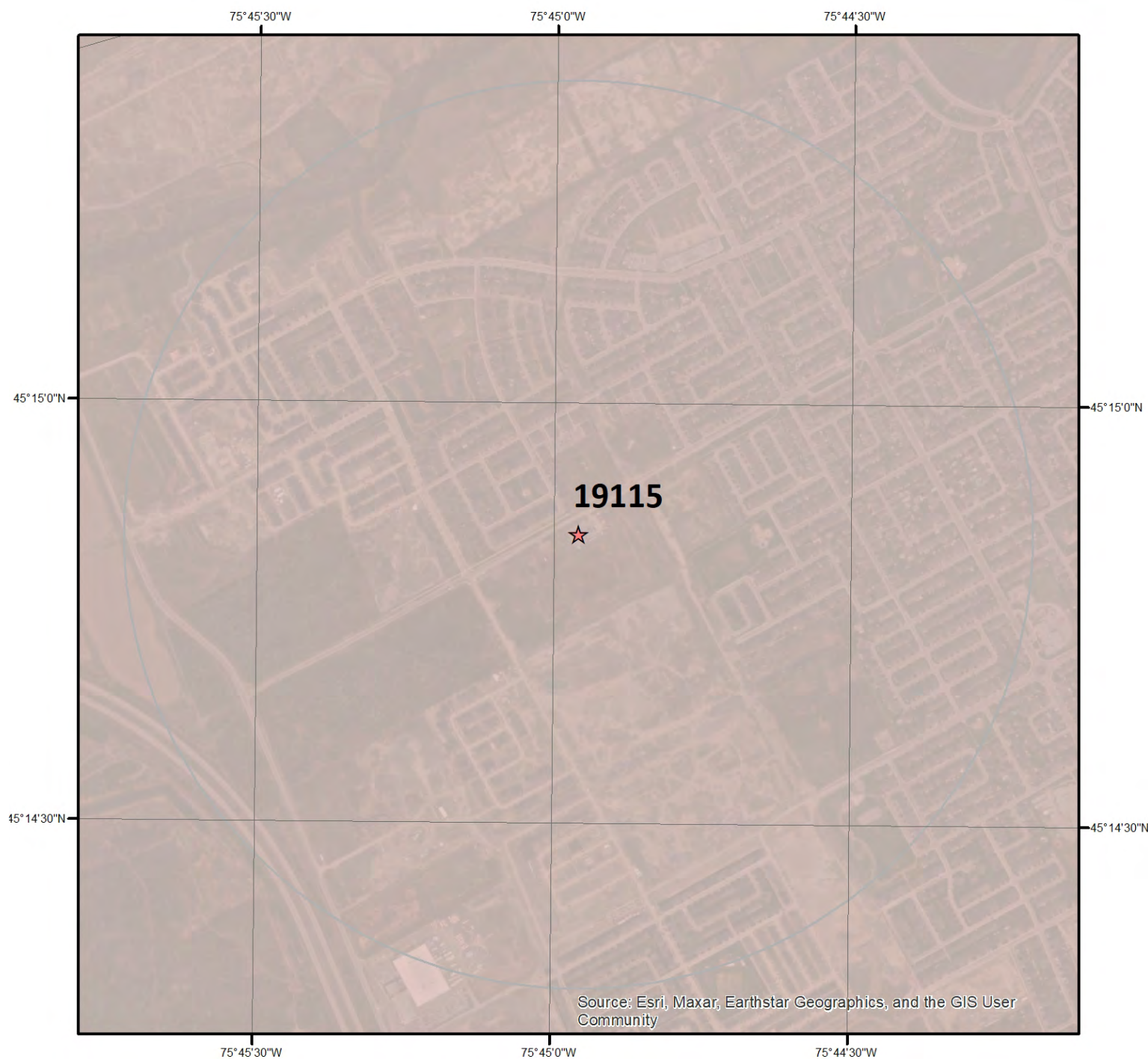


Wetland

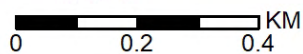
This map shows wetland existence. Data coverage is shown to the right.
Gray indicates no data available in the area.



Geologic Information



Bedrock Geology



This map shows bedrock geologic units in the area. Please refer to the report for detailed descriptions. Data coverage is shown to the right. Gray indicates no data available in the area.

ERIS

Geologic Information

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

Unit ID 19115

Unit Name:

Rock Type:

Dolostone, sandstone

Strata:

Beekmantown Group

Super Eon:

Eon:

PHANEROZOIC (Present to 542.0 Ma)

Era:

PALEOZOIC (251.0 Ma to 542.0 Ma)

Period:

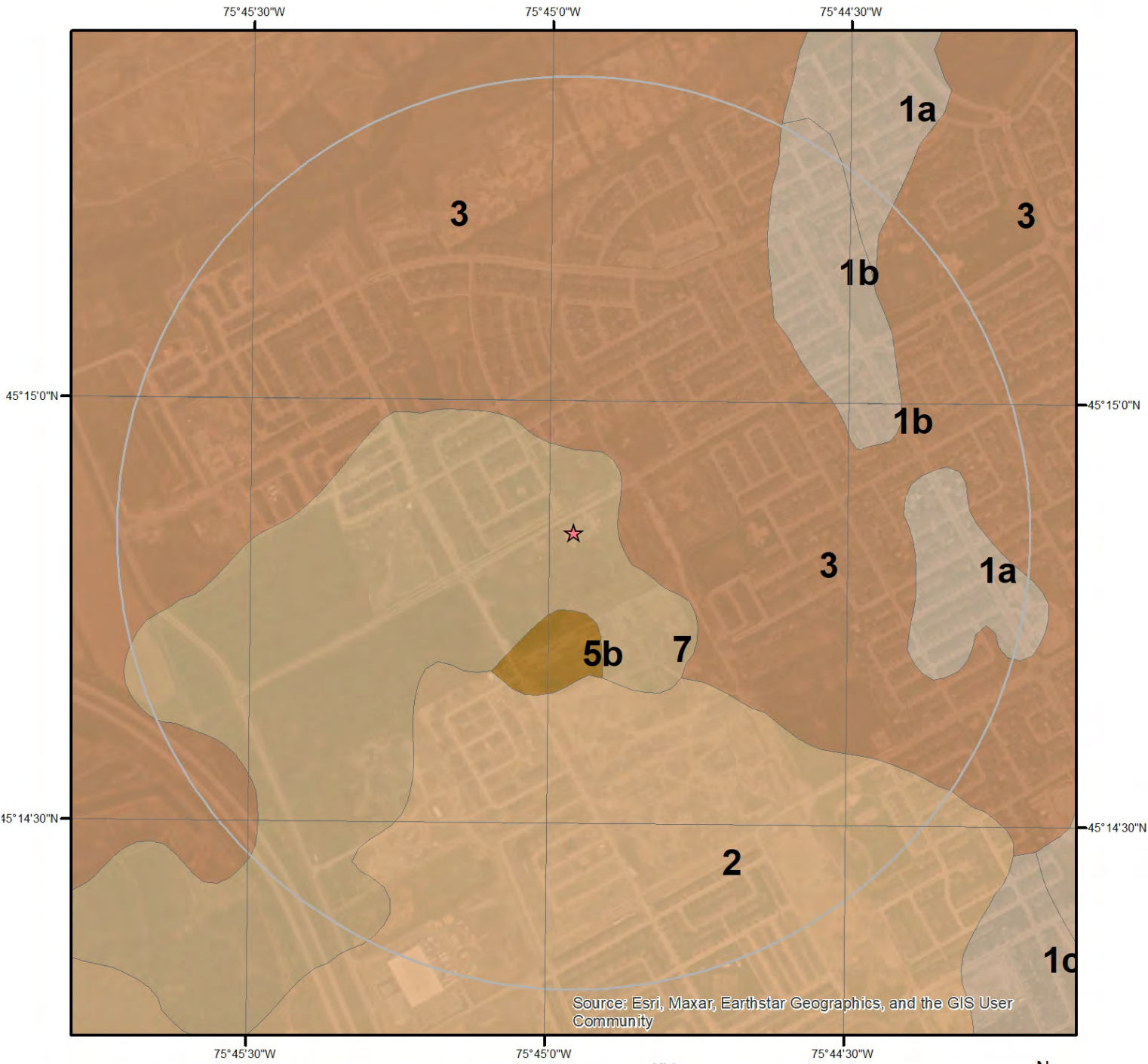
ORDOVICIAN (443.7 Ma to 488.3 Ma)

Epoch:

LOWER ORDOVICIAN

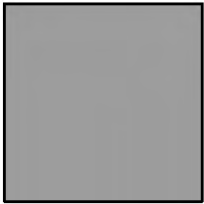
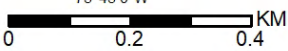
Province:

Tectonic Zone:



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 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:	
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

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 1b

Geological Deposit:	Till
---------------------	------

Geologic Information

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:	
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 (approx. 198 m (650 ft) a.s.l.) it is overlain by a discontinuous lag consisting of gravel, sand and bou

Unit ID 2

Geological Deposit:	Glaciofluvial deposits
Deposit Age:	Quaternary
Primary Material:	sand, gravel
Secondary Material:	diamicton
Primary General:	glaciofluvial
Primary General Modifier:	
Veneer:	
Episode:	Wisconsin
Sub Episode:	Michigan
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	High
Material Description:	Glaciofluvial deposits: Gravel and sand, poorly to well sorted and bedded, mainly coarse-to medium-grained with numerous cobbles, boulders and lenses of till

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:	

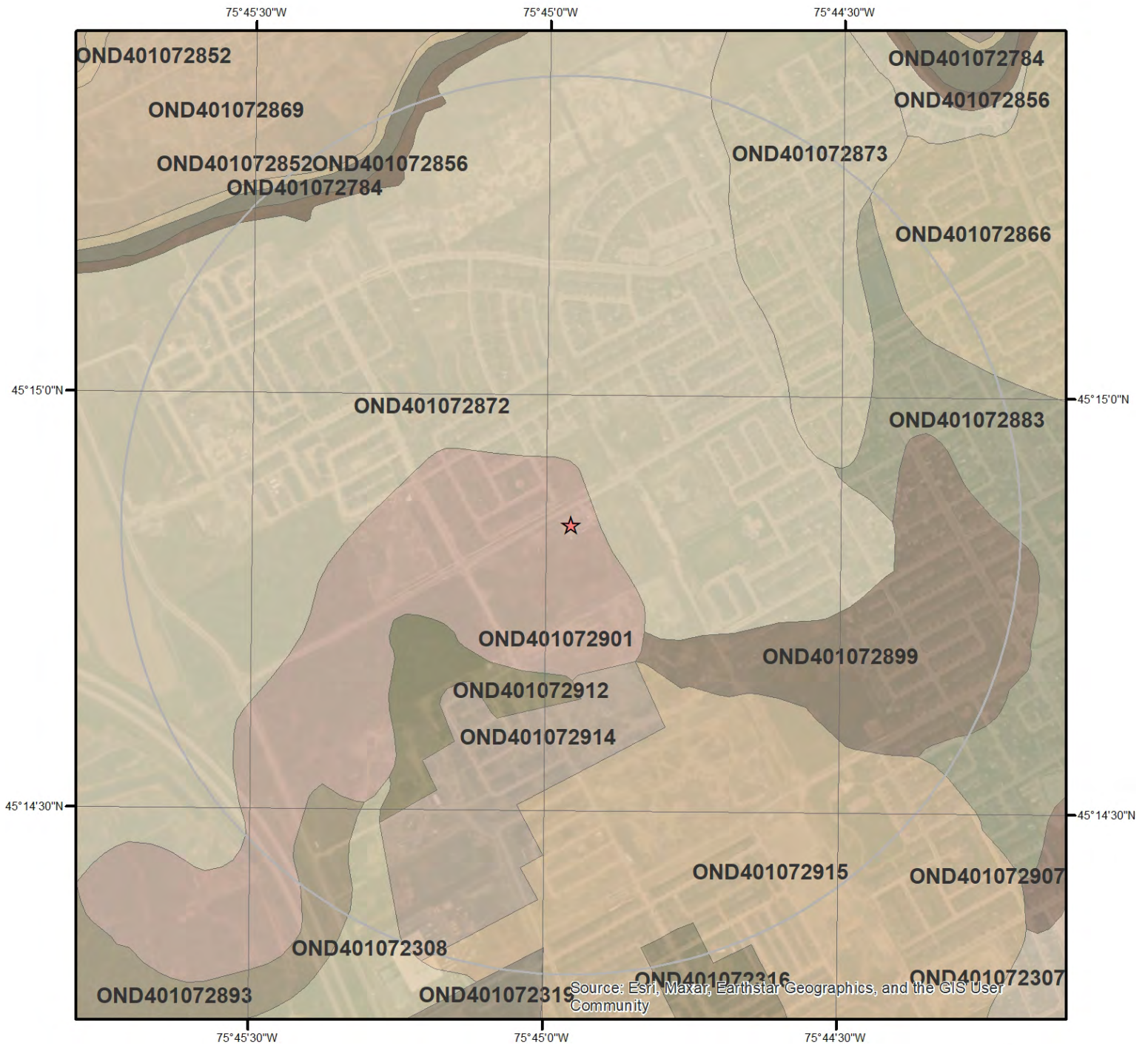
Geologic Information

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 5b

Geological Deposit:	Nearshore sediments
Deposit Age:	Quaternary (Champlain Sea)
Primary Material:	sand
Secondary Material:	
Primary General:	glaciomarine
Primary General Modifier:	foreshore/basinal
Veneer:	
Episode:	Wisconsin
Sub Episode:	Michigan
Strata Modifier:	Surface
Provenance:	
Carbon Content:	
Formation:	
Permeability:	High
Material Description:	Fine-to medium-grained sand, calcareous and commonly fossiliferous; nearshore sand generally occurs as a sheet or as bars or spits associated with glaciofluvial materials.

Soil Information



Soil Map

This map shows soil units around the target property. Please refer to the report for detailed soil descriptions.

Soil Information

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

Ontario Detailed Soil Survey (DSS3)

Polygon ID: OND401072883

Component

Component ID:	OND40107288301	Components(%):	70
Soil Name ID:	ONBDO~~~~~A	Slope Steepness(%):	1.2
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability: moderately severe limitations on use for crops.

First CLI Limitation Subclass:

Second CLI Limitation Subclass:

Drainage: Poorly

Soil Texture of A Horizon:

Hydrological Soil Groups: Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.

Soil Name

Soil Name: BRANDON

Kind of Surface Material: Mineral

Soil Drainage Class: Poorly drained

Water Table Characteristics: Unspecified period

Layer that Restricts Root Growth: No root restricting layer

Type of Root Restricting Layer: n/a

Parent Material 1, 2, 3: Moderately Fine; Not Applicable; Not Applicable

Mode of Deposition 1,2,3: Marine; Not Applicable; Not Applicable

Parent Material Chemical Property 1,2,3: Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	Very Fine Sand(%):	11
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Soil Information

Horizon:	Apg	Total Sand(%):	14
Depth(cm):	0-12	Total Silt(%):	52
pH in Calc Chloride:	5.7	Total Clay(%):	34
Saturated Hydraulic Conductivity(cm/h):	0.223	Organic Carbon(%):	2.1
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	7
Horizon:	Bg	Total Sand(%):	11
Depth(cm):	12-38	Total Silt(%):	46
pH in Calc Chloride:	6.6	Total Clay(%):	43
Saturated Hydraulic Conductivity(cm/h):	0.211	Organic Carbon(%):	0.5
Electrical Conductivity (dS/m):	0		
Layer No:	3	Very Fine Sand(%):	7
Horizon:	Bg	Total Sand(%):	11
Depth(cm):	38-70	Total Silt(%):	47
pH in Calc Chloride:	6.9	Total Clay(%):	42
Saturated Hydraulic Conductivity(cm/h):	0.211	Organic Carbon(%):	0.2
Electrical Conductivity (dS/m):	0		
Layer No:	4	Very Fine Sand(%):	0
Horizon:	Cg	Total Sand(%):	8
Depth(cm):	70-105	Total Silt(%):	45
pH in Calc Chloride:	7.1	Total Clay(%):	47
Saturated Hydraulic Conductivity(cm/h):	0.197	Organic Carbon(%):	0.2
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107288302	Components(%):	30
Soil Name ID:	ONBIV~~~~~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:	

Soil Information

Drainage: Poorly

Soil Texture of A Horizon:

Hydrological Soil Groups: Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.

Soil Name

Soil Name: BAINSVILLE

Kind of Surface Material: Mineral

Soil Drainage Class: Poorly drained

Water Table Characteristics: Growing season

Layer that Restricts Root Growth: No root restricting layer

Type of Root Restricting Layer: n/a

Parent Material 1, 2, 3: Moderately Fine; Not Applicable; Not Applicable

Mode of Deposition 1,2,3: Marine; Not Applicable; Not Applicable

Parent Material Chemical Property 1,2,3: Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	Very Fine Sand(%):	31
Horizon:	Ap	Total Sand(%):	53
Depth(cm):	0-17	Total Silt(%):	34
pH in Calc Chloride:	6.8	Total Clay(%):	13
Saturated Hydraulic Conductivity(cm/h):	2.052	Organic Carbon(%):	3.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	Very Fine Sand(%):	18
Horizon:	Bg	Total Sand(%):	30
Depth(cm):	17-33	Total Silt(%):	39
pH in Calc Chloride:	7.1	Total Clay(%):	31
Saturated Hydraulic Conductivity(cm/h):	0.273	Organic Carbon(%):	0.4
Electrical Conductivity (dS/m):	0		

Layer No:	3	Very Fine Sand(%):	40
Horizon:	Bg	Total Sand(%):	52
Depth(cm):	33-62	Total Silt(%):	28
pH in Calc Chloride:	7.1	Total Clay(%):	20
Saturated Hydraulic Conductivity(cm/h):	0.683	Organic Carbon(%):	0.1
Electrical Conductivity (dS/m):	0		

Soil Information

Layer No:	4	Very Fine Sand(%):	45
Horizon:	Ckg	Total Sand(%):	62
Depth(cm):	62-84	Total Silt(%):	26
pH in Calc Chloride:	7.4	Total Clay(%):	12
Saturated Hydraulic Conductivity(cm/h):	1.597	Organic Carbon(%):	0.1
Electrical Conductivity (dS/m):	0		
Layer No:	5	Very Fine Sand(%):	0
Horizon:	Ckg	Total Sand(%):	4
Depth(cm):	84-100	Total Silt(%):	54
pH in Calc Chloride:	7.6	Total Clay(%):	42
Saturated Hydraulic Conductivity(cm/h):	0.194	Organic Carbon(%):	0.1
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072914

Component

Component ID:	OND40107291401	Components(%):	100
Soil Name ID:	ONZUN~~~~~N	Slope Steepness(%):	Unknown or Not applicable
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Not Applicable		

Component Rating

Field Crops Capability:
 First CLI Limitation
 Subclass:
 Second CLI Limitation
 Subclass:
 Drainage: Not Applicable
 Soil Texture of A
 Horizon:
 Hydrological Soil Groups:

Soil Name

Soil Name: UNCLASSIFIED
 Kind of Surface Material: Unclassified
 Soil Drainage Class: Not applicable
 Water Table: Unspecified period
 Characteristics:
 Layer that Restricts Root: No root restricting layer

Soil Information

Growth:

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: OND401072912

Component

Component ID:	OND40107291201	Components(%):	100
Soil Name ID:	ONKRS~~~~~A	Slope Steepness(%):	7
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Moderately 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:	KARS
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Characteristics:	Unspecified period
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:	Glaciofluvial; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Layer

Soil Information

Layer No:	1	Very Fine Sand(%):	10
Horizon:	Ap	Total Sand(%):	63
Depth(cm):	0-20	Total Silt(%):	31
pH in Calc Chloride:	7.2	Total Clay(%):	6
Saturated Hydraulic Conductivity(cm/h):	3.537	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	8
Horizon:	Bmk	Total Sand(%):	68
Depth(cm):	20-32	Total Silt(%):	25
pH in Calc Chloride:	7.4	Total Clay(%):	7
Saturated Hydraulic Conductivity(cm/h):	3.783	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		
Layer No:	3	Very Fine Sand(%):	2
Horizon:	Ck	Total Sand(%):	92
Depth(cm):	32-100	Total Silt(%):	7
pH in Calc Chloride:	7.5	Total Clay(%):	1
Saturated Hydraulic Conductivity(cm/h):	7.817	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072319

Component

Component ID:	OND40107231901	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 Unspecified period
Charateristics:
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: OND401072856

Component

Component ID:	OND40107285601	Components(%):	100
Soil Name ID:	ONZER~~~~~N	Slope Steepness(%):	37.5
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability: No capability for agriculture.
First CLI Limitation Subclass: Presence of adverse Topography
Second CLI Limitation Subclass:
Drainage: Well
Soil Texture of A Horizon:
Hydrological Soil Groups:

Soil Name

Soil Name: ERODED
Kind of Surface Material: Mineral
Soil Drainage Class: Well drained
Water Table Unspecified period
Charateristics:

Soil Information

Layer that Restricts Root Growth: No root restricting layer
Type of Root Restricting Layer: n/a
Parent Material 1, 2, 3: Moderately Fine; Not Applicable; Not Applicable
Mode of Deposition 1,2,3: Undifferentiated mineral; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3: Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	Very Fine Sand(%):	5
Horizon:	Ah	Total Sand(%):	15
Depth(cm):	0-100	Total Silt(%):	60
pH in Calc Chloride:	6.4	Total Clay(%):	25
Saturated Hydraulic Conductivity(cm/h):	0.589	Organic Carbon(%):	3.9
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072899

Component

Component ID:	OND40107289901	Components(%):	70
Soil Name ID:	ONMTD~~~~~A	Slope Steepness(%):	1.2
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability: No significant limitations in use for Crops
First CLI Limitation Subclass:
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: MATILDA
Kind of Surface Material: Mineral

Soil Information

Soil Drainage Class:	Imperfectly drained
Water Table Characteristics:	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:	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(%):	35
Horizon:	Ap	Total Sand(%):	47
Depth(cm):	0-22	Total Silt(%):	39
pH in Calc Chloride:	7.3	Total Clay(%):	14
Saturated Hydraulic Conductivity(cm/h):	1.383	Organic Carbon(%):	2.1
Electrical Conductivity (dS/m):	0		

Layer No:	2	Very Fine Sand(%):	34
Horizon:	Bmgj	Total Sand(%):	49
Depth(cm):	22-35	Total Silt(%):	43
pH in Calc Chloride:	7.6	Total Clay(%):	8
Saturated Hydraulic Conductivity(cm/h):	2.361	Organic Carbon(%):	0.4
Electrical Conductivity (dS/m):	0		

Layer No:	3	Very Fine Sand(%):	12
Horizon:	Ckgj	Total Sand(%):	48
Depth(cm):	35-100	Total Silt(%):	44
pH in Calc Chloride:	7.7	Total Clay(%):	8
Saturated Hydraulic Conductivity(cm/h):	1.46	Organic Carbon(%):	0.3
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107289902	Components(%):	30
Soil Name ID:	ONZUN~~~~~N	Slope Steepness(%):	1.2
Component No:	2	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

Soil Information

Component Rating

Field Crops Capability: Severe limitations on use for crops.
First CLI Limitation Subclass:
Second CLI Limitation Subclass:
Drainage: Poorly
Soil Texture of A Horizon:
Hydrological Soil Groups: Soils 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 Characteristics: 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: OND401072872

Component

Component ID:	OND40107287201	Components(%):	100
Soil Name ID:	ONCNB~~~~~A	Slope Steepness(%):	1.2
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability: moderate limitations on use for crops
First CLI Limitation Subclass:
Second CLI Limitation Subclass:
Drainage: Poorly
Soil Texture of A Horizon: silt loam
Hydrological Soil Groups: Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with

Soil Information

Groups: an impeding layer or soils with moderately fine to fine texture.

Soil Name

Soil Name: CARSONBY
Kind of Surface Material: Mineral
Soil Drainage Class: Poorly drained
Water Table Always
Charateristics:
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: 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(%):	16
Horizon:	Ap	Total Sand(%):	25
Depth(cm):	0-21	Total Silt(%):	61
pH in Calc Chloride:	7	Total Clay(%):	14
Saturated Hydraulic Conductivity(cm/h):	0.687	Organic Carbon(%):	2.3
Electrical Conductivity (dS/m):	0		

Layer No:	2	Very Fine Sand(%):	12
Horizon:	Bg	Total Sand(%):	16
Depth(cm):	21-50	Total Silt(%):	74
pH in Calc Chloride:	7.1	Total Clay(%):	10
Saturated Hydraulic Conductivity(cm/h):	0.395	Organic Carbon(%):	0.2
Electrical Conductivity (dS/m):	0		

Layer No:	3	Very Fine Sand(%):	22
Horizon:	Bg	Total Sand(%):	26
Depth(cm):	50-74	Total Silt(%):	67
pH in Calc Chloride:	7.3	Total Clay(%):	7
Saturated Hydraulic Conductivity(cm/h):	1.047	Organic Carbon(%):	1.6
Electrical Conductivity (dS/m):	0		

Layer No:	4	Very Fine Sand(%):	9
Horizon:	Cg	Total Sand(%):	10

Soil Information

Depth(cm):	74-100	Total Silt(%):	80
pH in Calc Chloride:	7.4	Total Clay(%):	10
Saturated Hydraulic Conductivity(cm/h):	0.259	Organic Carbon(%):	0.9
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072308

Component

Component ID:	OND40107230801	Components(%):	70
Soil Name ID:	ONMLP~~~~~A	Slope Steepness(%):	3.5
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

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:	MILLE ISLE
Kind of Surface Material:	Mineral
Soil Drainage Class:	Well drained
Water Table Characteristics:	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:	Extremely / Strongly Acidic; Not Applicable; Not Applicable

Soil Layer

Soil Information

Layer No:	1	Very Fine Sand(%):	1
Horizon:	Ap	Total Sand(%):	86
Depth(cm):	0-20	Total Silt(%):	9
pH in Calc Chloride:	5.5	Total Clay(%):	5
Saturated Hydraulic Conductivity(cm/h):	6.662	Organic Carbon(%):	1.9
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	2
Horizon:	Bm	Total Sand(%):	88
Depth(cm):	20-45	Total Silt(%):	9
pH in Calc Chloride:	5	Total Clay(%):	3
Saturated Hydraulic Conductivity(cm/h):	7.125	Organic Carbon(%):	0.9
Electrical Conductivity (dS/m):	0		
Layer No:	3	Very Fine Sand(%):	3
Horizon:	BC	Total Sand(%):	92
Depth(cm):	45-65	Total Silt(%):	6
pH in Calc Chloride:	4.8	Total Clay(%):	2
Saturated Hydraulic Conductivity(cm/h):	7.099	Organic Carbon(%):	0.5
Electrical Conductivity (dS/m):	0		
Layer No:	4	Very Fine Sand(%):	3
Horizon:	C	Total Sand(%):	91
Depth(cm):	65-100	Total Silt(%):	6
pH in Calc Chloride:	5	Total Clay(%):	3
Saturated Hydraulic Conductivity(cm/h):	6.102	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107230802	Components(%):	30
Soil Name ID:	ONHBS~~~~~A	Slope Steepness(%):	3.5
Component No:	2	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	Severe limitations on use for crops.
First CLI Limitation	Low inherent soil Fertility
Subclass:	
Second CLI Limitation	

Soil Information

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: HERBERTS CORNER

Kind of Surface Material: Mineral

Soil Drainage Class: Imperfectly drained

Water Table Unspecified period

Charateristics:

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 Marine; Not Applicable; Not Applicable

1,2,3:

Parent Material Chemical Property 1,2,3: Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	Very Fine Sand(%):	3
Horizon:	Ap	Total Sand(%):	85
Depth(cm):	0-22	Total Silt(%):	11
pH in Calc Chloride:	4.8	Total Clay(%):	4
Saturated Hydraulic Conductivity(cm/h):	8.519	Organic Carbon(%):	2.9
Electrical Conductivity (dS/m):	0		

Layer No:	2	Very Fine Sand(%):	2
Horizon:	Bmgj	Total Sand(%):	91
Depth(cm):	22-50	Total Silt(%):	7
pH in Calc Chloride:	4.8	Total Clay(%):	2
Saturated Hydraulic Conductivity(cm/h):	8.106	Organic Carbon(%):	1
Electrical Conductivity (dS/m):	0		

Layer No:	3	Very Fine Sand(%):	1
Horizon:	Bmgj	Total Sand(%):	96
Depth(cm):	50-65	Total Silt(%):	2
pH in Calc Chloride:	4.7	Total Clay(%):	2
Saturated Hydraulic Conductivity(cm/h):	8.355	Organic Carbon(%):	0.1
Electrical Conductivity (dS/m):	0		

Soil Information

Layer No:	4	Very Fine Sand(%):	1
Horizon:	Cgj	Total Sand(%):	96
Depth(cm):	65-100	Total Silt(%):	3
pH in Calc Chloride:	4.9	Total Clay(%):	1
Saturated Hydraulic Conductivity(cm/h):	7.858	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072893

Component

Component ID:	OND40107289301	Components(%):	70
Soil Name ID:	ONSSMO~~~~N	Slope Steepness(%):	1.2
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	Very severe limitations preclude annual cultivation; improvements feasible.
First CLI Limitation	Low inherent soil Fertility
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:	ST. SAMUEL
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table	Always
Charateristics:	
Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Coarse; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Marine; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Information

Soil Layer

Layer No:	1	Very Fine Sand(%):	-9
Horizon:	Om	Total Sand(%):	-9
Depth(cm):	-15-0	Total Silt(%):	-9
pH in Calc Chloride:	6	Total Clay(%):	-9
Saturated Hydraulic Conductivity(cm/h):	3.455	Organic Carbon(%):	17
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	29
Horizon:	Bm	Total Sand(%):	75
Depth(cm):	0-21	Total Silt(%):	16
pH in Calc Chloride:	5.1	Total Clay(%):	9
Saturated Hydraulic Conductivity(cm/h):	4.347	Organic Carbon(%):	2.7
Electrical Conductivity (dS/m):	0		
Layer No:	3	Very Fine Sand(%):	27
Horizon:	Bg	Total Sand(%):	91
Depth(cm):	21-39	Total Silt(%):	7
pH in Calc Chloride:	5	Total Clay(%):	2
Saturated Hydraulic Conductivity(cm/h):	7.051	Organic Carbon(%):	0.7
Electrical Conductivity (dS/m):	0		
Layer No:	4	Very Fine Sand(%):	20
Horizon:	Bg	Total Sand(%):	97
Depth(cm):	39-52	Total Silt(%):	2
pH in Calc Chloride:	5.2	Total Clay(%):	1
Saturated Hydraulic Conductivity(cm/h):	8.134	Organic Carbon(%):	0.2
Electrical Conductivity (dS/m):	0		
Layer No:	5	Very Fine Sand(%):	26
Horizon:	Cg	Total Sand(%):	93
Depth(cm):	52-69	Total Silt(%):	4
pH in Calc Chloride:	5.2	Total Clay(%):	3
Saturated Hydraulic Conductivity(cm/h):	6.155	Organic Carbon(%):	0.1
Electrical Conductivity (dS/m):	0		
Layer No:	6	Very Fine Sand(%):	31
Horizon:	Cg	Total Sand(%):	96
Depth(cm):	69-100	Total Silt(%):	3
pH in Calc Chloride:	4.7	Total Clay(%):	1

Soil Information

Saturated Hydraulic Conductivity(cm/h):	7.836	Organic Carbon(%):	0.1
Electrical Conductivity (dS/m):	0		

Component

Component ID:	OND40107289302	Components(%):	30
Soil Name ID:	ONZUN~~~~~N	Slope Steepness(%):	1.2
Component No:	2	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	Very severe limitations preclude annual cultivation; improvements feasible.
First CLI Limitation Subclass:	Low inherent soil Fertility
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:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table Characteristics:	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:	OND401072915
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Component

Component ID:	OND40107291501	Components(%):	100
Soil Name ID:	ONKRS~~~~~A	Slope Steepness(%):	3.5

Soil Information

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: KARS
Kind of Surface Material: Mineral
Soil Drainage Class: Well drained
Water Table Characteristics: Unspecified period
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: Glaciofluvial; 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(%):	10
Horizon:	Ap	Total Sand(%):	63
Depth(cm):	0-20	Total Silt(%):	31
pH in Calc Chloride:	7.2	Total Clay(%):	6
Saturated Hydraulic Conductivity(cm/h):	3.537	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	8
Horizon:	Bmk	Total Sand(%):	68
Depth(cm):	20-32	Total Silt(%):	25
pH in Calc Chloride:	7.4	Total Clay(%):	7
Saturated Hydraulic Conductivity(cm/h):	3.783	Organic Carbon(%):	0

Soil Information

Electrical Conductivity (dS/m): 0

Layer No:	3	Very Fine Sand(%):	2
Horizon:	Ck	Total Sand(%):	92
Depth(cm):	32-100	Total Silt(%):	7
pH in Calc Chloride:	7.5	Total Clay(%):	1
Saturated Hydraulic Conductivity(cm/h):	7.817	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072873

Component

Component ID:	OND40107287301	Components(%):	100
Soil Name ID:	ONGVI~~~~~A	Slope Steepness(%):	3.5
Component No:	1	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 surface stones > 15 cm diameter.

Second CLI Limitation Subclass: Presence of adverse Topography

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: GRENVILLE

Kind of Surface Material: Mineral

Soil Drainage Class: Well drained

Water Table Characteristics: 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: Till (Morainal); Not Applicable; Not Applicable

Parent Material Chemical Property 1,2,3: Moderately / Very Strongly Calcareous; Not Applicable; Not Applicable

Soil Information

Soil Layer

Layer No:	1	Very Fine Sand(%):	18
Horizon:	Ap	Total Sand(%):	59
Depth(cm):	0-19	Total Silt(%):	30
pH in Calc Chloride:	7.2	Total Clay(%):	11
Saturated Hydraulic Conductivity(cm/h):	2.565	Organic Carbon(%):	2.3
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	18
Horizon:	Ap	Total Sand(%):	62
Depth(cm):	19-35	Total Silt(%):	33
pH in Calc Chloride:	7.4	Total Clay(%):	5
Saturated Hydraulic Conductivity(cm/h):	5.087	Organic Carbon(%):	1.5
Electrical Conductivity (dS/m):	0		
Layer No:	3	Very Fine Sand(%):	21
Horizon:	Ae	Total Sand(%):	63
Depth(cm):	35-55	Total Silt(%):	32
pH in Calc Chloride:	7.4	Total Clay(%):	5
Saturated Hydraulic Conductivity(cm/h):	4.441	Organic Carbon(%):	0.5
Electrical Conductivity (dS/m):	0		
Layer No:	4	Very Fine Sand(%):	19
Horizon:	Bt	Total Sand(%):	56
Depth(cm):	55-77	Total Silt(%):	26
pH in Calc Chloride:	7.1	Total Clay(%):	18
Saturated Hydraulic Conductivity(cm/h):	0.856	Organic Carbon(%):	0.4
Electrical Conductivity (dS/m):	0		
Layer No:	5	Very Fine Sand(%):	20
Horizon:	BC	Total Sand(%):	61
Depth(cm):	77-92	Total Silt(%):	28
pH in Calc Chloride:	7.3	Total Clay(%):	11
Saturated Hydraulic Conductivity(cm/h):	1.805	Organic Carbon(%):	0.3
Electrical Conductivity (dS/m):	0		
Layer No:	6	Very Fine Sand(%):	22
Horizon:	Ck	Total Sand(%):	65
Depth(cm):	92-100	Total Silt(%):	30

Soil Information

pH in Calc Chloride:	7.6	Total Clay(%):	5
Saturated Hydraulic Conductivity(cm/h):	3.082	Organic Carbon(%):	0
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072784

Component

Component ID:	OND40107278401	Components(%):	100
Soil Name ID:	ONZZZ~~~~~N	Slope Steepness(%):	Unknown or Not applicable
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Not Applicable		

Component Rating

Field Crops Capability:

First CLI Limitation

Subclass:

Second CLI Limitation

Subclass:

Drainage: Not Applicable

Soil Texture of A

Horizon:

Hydrological Soil

Groups:

Soil Name

Soil Name:	WATER
Kind of Surface Material:	True Non-soil
Soil Drainage Class:	Not applicable
Water Table	Not applicable
Charateristics:	
Layer that Restricts Root Growth:	Not applicable
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Not Applicable; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Not Applicable; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Not Applicable; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	Very Fine Sand(%):	-9
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Soil Information

Horizon:	--	Total Sand(%):	-9
Depth(cm):	0-100	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: OND401072316

Component

Component ID:	OND40107231601	Components(%):	100
Soil Name ID:	ONZUN~~~~~N	Slope Steepness(%):	Unknown or Not applicable
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Not Applicable		

Component Rating

Field Crops Capability:

First CLI Limitation

Subclass:

Second CLI Limitation

Subclass:

Drainage: Not Applicable

Soil Texture of A

Horizon:

Hydrological Soil

Groups:

Soil Name

Soil Name:	UNCLASSIFIED
Kind of Surface Material:	Unclassified
Soil Drainage Class:	Not applicable
Water Table	Unspecified period
Charateristics:	
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: OND401072866

Soil Information

Component

Component ID:	OND40107286601	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:	
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 Characteristics:	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		

Soil Information

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: OND401072901

Component

Component ID:	OND40107290101	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	Unspecified period

Soil Information

Charateristics:

Layer that Restricts Root Growth:	No root restricting layer
Type of Root Restricting Layer:	n/a
Parent Material 1, 2, 3:	Mesic; Not Applicable; Not Applicable
Mode of Deposition 1,2,3:	Undifferentiated organic; Not Applicable; Not Applicable
Parent Material Chemical Property 1,2,3:	Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Layer No:	1	Very Fine Sand(%):	-9
Horizon:	Oh	Total Sand(%):	-9
Depth(cm):	0-99	Total Silt(%):	-9
pH in Calc Chloride:	5.5	Total Clay(%):	-9
Saturated Hydraulic Conductivity(cm/h):	3.455	Organic Carbon(%):	20
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	0
Horizon:	Bg	Total Sand(%):	23
Depth(cm):	99-149	Total Silt(%):	17
pH in Calc Chloride:	5.9	Total Clay(%):	60
Saturated Hydraulic Conductivity(cm/h):	0.21	Organic Carbon(%):	0.6
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072869

Component

Component ID:	OND40107286901	Components(%):	100
Soil Name ID:	ONCNB~~~~~A	Slope Steepness(%):	1.2
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Nonstony		

Component Rating

Field Crops Capability:	moderate limitations on use for crops
First CLI Limitation Subclass:	
Second CLI Limitation Subclass:	
Drainage:	Poorly

Soil Information

Soil Texture of A Horizon:	silt 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:	CARSONBY
Kind of Surface Material:	Mineral
Soil Drainage Class:	Poorly drained
Water Table Characteristics:	Always
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:	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(%):	16
Horizon:	Ap	Total Sand(%):	25
Depth(cm):	0-21	Total Silt(%):	61
pH in Calc Chloride:	7	Total Clay(%):	14
Saturated Hydraulic Conductivity(cm/h):	0.687	Organic Carbon(%):	2.3
Electrical Conductivity (dS/m):	0		
Layer No:	2	Very Fine Sand(%):	12
Horizon:	Bg	Total Sand(%):	16
Depth(cm):	21-50	Total Silt(%):	74
pH in Calc Chloride:	7.1	Total Clay(%):	10
Saturated Hydraulic Conductivity(cm/h):	0.395	Organic Carbon(%):	0.2
Electrical Conductivity (dS/m):	0		
Layer No:	3	Very Fine Sand(%):	22
Horizon:	Bg	Total Sand(%):	26
Depth(cm):	50-74	Total Silt(%):	67
pH in Calc Chloride:	7.3	Total Clay(%):	7
Saturated Hydraulic Conductivity(cm/h):	1.047	Organic Carbon(%):	1.6
Electrical Conductivity (dS/m):	0		
Layer No:	4	Very Fine Sand(%):	9

Soil Information

Horizon:	Cg	Total Sand(%):	10
Depth(cm):	74-100	Total Silt(%):	80
pH in Calc Chloride:	7.4	Total Clay(%):	10
Saturated Hydraulic Conductivity(cm/h):	0.259	Organic Carbon(%):	0.9
Electrical Conductivity (dS/m):	0		

Polygon ID: OND401072852

Component

Component ID:	OND40107285201	Components(%):	100
Soil Name ID:	ONZER~~~~~N	Slope Steepness(%):	37.5
Component No:	1	Slope Length(m):	-9
Surface Stoniness Class:	Slightly stony		

Component Rating

Field Crops Capability: No capability for agriculture.
 First CLI Limitation Subclass: Presence of adverse Topography
 Second CLI Limitation Subclass:
 Drainage: Well
 Soil Texture of A Horizon:
 Hydrological Soil Groups:

Soil Name

Soil Name: ERODED
 Kind of Surface Material: Mineral
 Soil Drainage Class: Well drained
 Water Table Characteristics: Unspecified period
 Layer that Restricts Root Growth: No root restricting layer
 Type of Root Restricting Layer: n/a
 Parent Material 1, 2, 3: Moderately Fine; Not Applicable; Not Applicable
 Mode of Deposition 1,2,3: Undifferentiated mineral; Not Applicable; Not Applicable
 Parent Material Chemical Property 1,2,3: Medium Acid to Neutral; Not Applicable; Not Applicable

Soil Layer

Soil Information

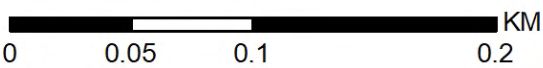
Layer No:	1	Very Fine Sand(%):	5
Horizon:	Ah	Total Sand(%):	15
Depth(cm):	0-100	Total Silt(%):	60
pH in Calc Chloride:	6.4	Total Clay(%):	25
Saturated Hydraulic Conductivity(cm/h):	0.589	Organic Carbon(%):	3.9
Electrical Conductivity (dS/m):	0		

Wells and Additional Sources



Wells & Additional Sources

- ★ Project Property
- Buffer
- Buffer
- Buffer
- Buffer
- Buffer
- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- World Imagery



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	7047099	7.6	-
2	7223434	176.78	SE
3	7400033	215.05	S

Private Sources

Oil and Gas Wells

Map Key	ID	Distance (m)	Direction
No records found			

Wells and Additional Sources Detail Report

Water Well Information System

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
1	-	0.01	7.60	93.53	WWIS

Well ID:	7047099	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Not Used	Data Entry Status:	
Use 2nd:		Data Src:	
Final Well Status:	Abandoned-Other	Date Received:	07/26/2007
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	Yes
Audit No:	Z52528	Contractor:	7260
Tag:		Form Version:	3
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliability:		Lot:	011
Depth to Bedrock:		Concession:	03
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:	PLAN 4.5R 12867		

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7047099.pdf

Well Completed Date:	06/02/2007
Year Completed:	2007
Depth (m):	
Latitude:	45.2502374880733
Longitude:	-75.7420150149643
Path:	704\7047099.pdf

Bore Hole ID:	23047099	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441773.00
Code OB Desc:		North83:	5011017.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	06/02/2007	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr

Wells and Additional Sources Detail Report

Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location
Source:
Improvement Location
Method:
Source Revision
Comment:
Supplier Comment:

Plug ID: 44002044
Layer: 1
Plug From: 0.0
Plug To: 4.869999885559082
Plug Depth UOM: m

Plug ID: 44002045
Layer: 2
Plug From: 4.869999885559082
Plug To: 6.0960001945495605
Plug Depth UOM: m

Method Construction ID: 25947099
Method Construction
Code: A
Method Construction: Digging
Other Method
Construction:

Pipe ID: 29047099
Casing No: 0
Comment:
Alt Name:

Hole ID: 46001268
Diameter: 91.44000244140625
Depth From: 0.0
Depth To: 6.0960001945495605
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole ID: 23047099
Depth M:

Tag No:
Contractor: 7260

Wells and Additional Sources Detail Report

Year Completed:	2007	Latitude:	45.2502374880733
Well Completed Dt:	06/02/2007	Longitude:	-75.7420150149643
Audit No:	Z52528	Y:	45.25023748099345
Path:	704\7047099.pdf	X:	-75.74201485381519

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
2	SE	0.18	176.78	94.13	WWIS

Well ID:	7223434	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	Yes
Use 2nd:		Data Src:	
Final Well Status:		Date Received:	07/09/2014
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	C19501	Contractor:	7328
Tag:	A122943	Form Version:	8
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	
Well Depth:		Concession Name:	
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map):

Well Completed Date:	02/27/2012
Year Completed:	2012
Depth (m):	
Latitude:	45.2462393351815
Longitude:	-75.7477608407118
Path:	

Bore Hole ID:	1004911661	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441318.00
Code OB Desc:		North83:	5010577.00
Open Hole:		Org CS:	UTM83

Wells and Additional Sources Detail Report

Cluster Kind:		UTMRC:	4
Date Completed:	02/27/2012	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision			
Comment:			
Supplier Comment:			

Bore Hole ID:	1004911661	Tag No:	A122943
Depth M:		Contractor:	7328
Year Completed:	2012	Latitude:	45.2462393351815
Well Completed Dt:	02/27/2012	Longitude:	-75.7477608407118
Audit No:	C19501	Y:	45.24623932780085
Path:		X:	-75.74776067982731

Map Key	Direction	Distance (km)	Distance (m)	Elevation (m)	DB
3	S	0.22	215.05	94.30	WWIS

Well ID:	7400033	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	Yes
Use 2nd:		Data Src:	
Final Well Status:		Date Received:	10/12/2021
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	C32294	Contractor:	7328
Tag:	A307272	Form Version:	8
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliability:		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:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole ID:	1008813434	Elevation:	
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Wells and Additional Sources Detail Report

DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441227.00
Code OB Desc:		North83:	5010493.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	09/03/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			
Bore Hole ID:	1008813434	Tag No:	A307272
Depth M:		Contractor:	7328
Year Completed:	2021	Latitude:	45.2454756732778
Well Completed Dt:	09/03/2021	Longitude:	-75.7489103821928
Audit No:	C32294	Y:	45.24547566591134
Path:		X:	-75.74891022034272

Radon Information

Detailed radon information for the project property is provided below.

Radon Zone Information

ID:	144852	Radon Rank:	LOW
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Health Canada Radon Information

Health Region:	3551
Health Region Name:	City of Ottawa Health Unit
Province or Territory:	ON
Number Homes in Survey:	64
% Below 200 Bq/m3:	93.8
% Above 200 Bq/m3:	6.2
200 to 600 Bq/m3:	6.2
% Above 600 Bq/m3:	0

Area of Natural and Scientific Interest Information

There is no ANSI unit available in this area.

Area of Natural and Scientific Interest Information

Detailed ANSI information is provided below.

No records found for the project property or surrounding properties.

Federal Sources

Bedrock Geology of Canada

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.

BEDROCK GEOLOGY

Health Canada Radon Information

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.

RADON

National Energy Board Wells

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.

NEBP

Soil Landscapes of Canada (SLC)

Major characteristics of soil and land such as surface form, slope, water table depth, permafrost and lakes.

SLC

Surficial Geology of Canada

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.

SURFICIAL GEOLOGY

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).

TOPORAMA

Provincial Sources

Area of Natural and Scientific Interest

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.

ANSI

Bedrock Geology of Ontario

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.

BEDROCK GEOLOGY

Ontario Detailed Soil Survey (DSS3)

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

SOIL SURVEY

Ontario Oil and Gas Wells

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.

OOGW

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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