

Phase One Environmental Site Assessment

2413-2415 Carp Road, Carp, Ontario

Prepared for:
Waste Management of Canada
Watford, Ontario

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1 Executive Summary

BluMetric Environmental Inc. (BluMetric®) was retained by Waste Management of Canada Corporation (WM) to complete a Phase One Environmental Site Assessment (ESA) for part of the property municipally known as 2413 and 2415 Carp Road, in Stittsville (within the City of Ottawa), Ontario (subsequently referred to as the “Phase One Property”).

This report was prepared to the requirements of Ontario Regulation 153/04 (O. Reg. 153/04) so that it can subsequently be used as support for a Record of Site Condition (RSC) for the property. It is our understanding that the Phase One ESA is being performed to fulfill requirement of Site Plan Approval applications with the City of Ottawa. The purpose of a Phase One ESA is to assess whether the Phase One Property has been subject to any actual or potential contamination.

The Phase One Property is a 0.4 hectare (ha) quasi-rectangular shaped piece of land located 250 m southwest of Carp Road, approximately 535 m south of Richardson Side Road. The Phase One Property is part of a ‘rural heavy industrial’ (RH) zoned property, municipally known as 2413 and 2415 Carp Road.

The Phase One Property consists of the remnants of a shed structure that was reportedly previously used to store a diesel-powered construction loader. No other buildings are present on the Phase One Property. In addition, two shipping containers were present and were being used to store a small amount of general construction supplies and an emergency backup generator. The remainder of the Phase One Property consisted of a bare and gravel covered yard used for parking trucks, with minimal grass, trees, and weeds. The Phase One Property was previously owned/occupied by Laurysen Investments Inc./Laurysen Kitchens Limited between 1992 and 2021, which until recently occupied the adjacent industrial building to the east of the Site for the manufacturing of wooden cabinet and countertops. WM acquired the entire property in 2021.

The Phase One Property is located in a rural industrial use area of Stittsville, in the City of Ottawa, Ontario. To the south and west of the Site is an active Waste Disposal Site (Carp Landfill), with the access roadway located adjacent to the south of the Phase One Property. A surface water infiltration bed is located 50 m south-southeast of the Site and active and future landfill cells are located between 50 and 100 m west-northwest of the Site. To the north of the Site is a Geotextiles storage yard and a surface water infiltration pond. East of the Phase One Property is the remainder of the property at 2413-2415 Carp Road – consisting of a large industrial building previously occupied by Laurysen Kitchens Ltd. Carp Road is location 250 m east of the Site.

There are no surface water bodies or areas of natural significance within 30 m of the Phase One Property or within the Phase One Study Area. The nearest surface water body is tributaries of the Carp River, located approximately 500 m north and west of the Site, which flow to the northeast into the main channel of the Carp River, located 3.6 km northeast of the Site. Carp River flows to the west-northwest towards the Ottawa River. Based on the local topography and the influence of tributaries of the Carp River, ground water beneath the Phase One Property has been inferred to flow toward the north-northwest.

No Provincially Significant Life Science and Earth Science ANSIs are located within the Study Area. The Phase One Property is not located in an area designated in a municipal official plan as a well-head protection area.

Based on the findings of this Phase One ESA which included a review of historical records and environmental source information, site reconnaissance, and interview. The QP determined that no potentially contaminating activities (PCAs) were identified on the Phase One Property (refer to Section 3.2.4 and 6.2.1), and the following PCAs were identified within the Phase One Study Area:

Location of PCA	PCA Description	Notes
2415 Carp Road (Building Footprint) – (East-northeast of Phase One property)	#33 – Metal Treatment, Coating, Plating and Finishing; & #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	NPRI ID 11159 listed under NPRI2 database for Laurysen Kitchens between 2004 and 2023. Facility reports indicate the facility was subject to the Chromium Electroplating, Chromium Anodizing and Reverse Etching Regulations (SOR/2009-162), and manufactured wood kitchen cabinets and countertops.
	#39 – Paint Manufacturing, Processing, and Bulk Storage	EASR, ECA, and EBR records for Laurysen Kitchens Ltd. related to the certificate of approval for emissions into the air from the operation of six paint spray booths.
	#33 – Metal Treatment, Coating, Plating and Finishing; & #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	SCT records for Laurysen Kitchens Limited for Wood Window and Door Manufacturing, Millwork, and Wood Kitchen Cabinet and Countertop Manufacturing.
	GEN - Waste Generator; #51 - Solvent Manufacturing, Processing and Bulk Storage; & #39- Paints	Laurysen Kitchens Limited was a registered Waste generator of Waste oils/sludges (petroleum based), Wastes from the use of pigments, coatings and paints, and aromatic and aliphatic solvents between 2014 and 2021.

Location of PCA	PCA Description	Notes
	Manufacturing, Processing and Bulk Storage	
2301-2375 Carp Road - (South-southwest of Phase One property)	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Waste Management Co. Landfill. ECA A461002; issued March 25, 2022) for West Carleton Environmental Centre located at 2301 Carp Road, for the use and operation of a 72.26 ha landfill site (consisting of 37.8 hectare Landfill Expansion Area and 34.46 hectare Closed Landfill Area), and a waste transfer/processing facility within a total site area of 232.9 hectares, with a contaminant attenuation zone, consisting of 2 parcels totalling 51.3 ha.
	#AGR – Aggregate Pit	Record of Howard C. Rump Sand and Gravel Pit (1967-1985) identified at 2301 Carp Road.

*Section 49.1 paragraph 1 of Ontario Regulation 153/04 has been relied upon and the site condition standards are deemed to have been met for contaminants associated with applications of substances to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both. Further consideration of this PCA/APEC through sampling and analyses is not required as part of a Phase Two ESA.

- Based on recent soil sampling completed on the Phase One Property by WSP (May 2025) and BluMetric (July 2025) it was found that no soil impacts are present on the Phase One Property. In addition, the recent BluMetric memo dated July 2025, documents the removal of stained/oily surface soils from two areas of the Site, the shed area and southwest portion of the Phase One property. The results of subsequent surface soil sampling/testing in these areas (described in Section 3.2.4) indicate that soil impacts are not present on the Phase One property (described in Section 3.2.4 and 6.2.1). Therefore, no APECs were identified on the Phase One Property.
- Five (5) off-site PCAs were identified on the property adjacent to the east-northeast property boundary of the Site, at 2415 Carp Road and associated with the former occupant of the building (Laurysen Kitchens Limited). Despite being adjacent to the Site, given that these PCAs would be associated with activities conducted within the building and that the building is positioned mainly cross-gradient (with downgradient parts) to the Phase One Property; it is the opinion of the QP that the risk of impacts from these activities to the Phase One property is considered to be low.

- Two (2) off-site PCAs were identified for the Carp Landfill property located at 2301-2375 Carp Road, to the south and southwest of the Phase One Property. This operation is understood to be well managed and is regularly monitored under an Environmental Compliance Approval (Number A461002), with a functioning leachate collection system present. In addition, it is understood that the Phase One Property is proposed to become part of the larger landfill property and is not changing use. It is therefore the opinion of the QP that the risk of impacts to ground water at the Phase One Property from the operation of the Carp Landfill is considered to be low.

Consequently, no Areas of Actual or Potential Environmental Concern (APECs) have been identified on the Phase One Property, and a Phase Two ESA is therefore not deemed to be warranted at this time.

2 Introduction

2.1 Terms of Reference

In June 2025, BluMetric Environmental Inc. (subsequently referred to as “BluMetric®”) was retained by Waste Management of Canada Corporation (WM) to complete a Phase One Environmental Site Assessment (ESA) for part of the property municipally known as 2413 and 2415 Carp Road, in Stittsville (within the City of Ottawa), Ontario (subsequently referred to as the “Phase One Property”). The Phase One Property boundaries are presented in Figure 1.

It is our understanding that the Phase One ESA is being performed to fulfill requirement of Site Plan Approval applications with the City of Ottawa. This Phase One ESA report is being performed to understand if there are any environmental concerns identified for the Phase One Property and to determine likely locations where sampling of soil and ground water would be required to verify or refute assumptions about conditions. This report has been prepared to meet the “Mandatory Requirements for Phase One Environmental Site Assessment Reports” in Ontario Regulation 153/04: Records of Site Condition (O. Reg. 153/04) so that it can subsequently be used as support for a Record of Site Condition (RSC) for the property.

The following tasks were undertaken in June and July 2025 to prepare this report:

- A review of existing records and reports. Requests for information were filed with the Technical Standards and Safety Authority (TSSA), the Ministry of the Environment, Conservation and Parks (MECP), and Environmental Risk Information Services (ERIS);
- An assessment of the physical site conditions;
- A site reconnaissance of the Phase One Property and the Phase One Study Area;
- Interviews conducted with persons with knowledge of the Phase One Property;
- Identification of potentially contaminating activities (PCAs) related to the Phase One Property and within the Phase One Study Area and any associated areas of potential environmental concern (APECs) for the Phase One Property; and,
- Presentation of the findings in a Phase One ESA report.

Since Phase One ESAs do not include the testing of samples or the measuring of environmental parameters, the conclusions presented in this report are limited to identifying PCAs that may contribute to APECs at the Phase One Property.

2.2 Phase One Property Information

Municipal Address(es), Property Identification Number (PIN) and General Property Description

The Phase One Property is located on the southwest side of Carp Road, approximately 250 m west of Carp Road and 535 m south of Richardson Side Road, at the municipal address of 2413-2415 Carp Road, in the City of Ottawa, Ontario. A registered plan of survey is provided in Appendix 9.1.

The full legal description of the Phase One Property (2413-2415 Carp Road) is:

- PT LT 5 CON 3 HUNTLEY PTS 1 & 2, 5R11322 EXCEPT PART 13 ON PLAN 4R-31769 ; WEST CARLETON; SUBJECT TO AN EASEMENT IN GROSS OVER PART 4, 4R35642 AS IN OC2655465

The Property Identification Number (PIN) is: 04536-1447 (LT).

The Phase One Property is a quasi-rectangular shaped part of a 'rural heavy industrial' (RH) zoned property, with a total area of approximately 0.4 hectares (ha). The Phase One Property consists of the remnants of a shed structure. No other buildings are present on the Phase One Property. In addition, two shipping containers were present and were being used to store a small amount of general construction supplies and an emergency backup generator. The remainder of the Phase One Property consisted of a bare and gravel covered yard, with minimal grass, trees, and weeds.

The Phase One Property is located in a rural industrial area of Stittsville, in the City of Ottawa. The surrounding lands are occupied by uses zoned as ME – Mineral Extraction Zone, RH – Rural Heavy Industrial, and RG – Rural General Industrial Zone. To the south and west of the Site is an active Waste Disposal Site (Carp Landfill), with the access roadway into the Site located adjacent to the south of the Site. A surface water infiltration bed is located 50 m south-southeast of the Site and active and future landfill cells are located between 50 and 100 m west-northwest of the Site. To the north of the Site is a geotextiles storage yard and a surface water infiltration bed. East of the Phase One Property is the remainder of the property at 2413-2415 Carp Road – consisting of a large industrial building occupied by Laurysen Kitchens Ltd. Carp Road is located 250 m northeast of the Site.

2.3 Phase One Study Area Determination

The Phase One Study Area was determined to include all properties within 250 m of the Phase One Property for most records reviews. Any active or former waste disposal sites, coal gasification plants or coal tar sites within 2 km of the Phase One Property were also investigated since it is assumed that impacts from such sites could affect properties within 2 km, given that such sources can cause impacts that extend for distances of more than 250 m.

The search radius for historical records requested from ERIS was set to 250 m from the boundaries of the Phase One Property. To conduct the database searches, each property is identified as a specific geographical point. The inclusion or exclusion of properties located partially within the Phase One Study Area depends on whether this point is located within the study area boundary.

The Phase One Property and Phase One Study Area are shown in Figures 1 to 3 in Appendix 9.3.

3 Records Review

3.1 General

Requests for information were filed with the Ministry of Environment, Conservation and Parks (MECP) and Technical Standards and Safety Authority (TSSA). In addition, a database search was requested from Environmental Risk Information Services Inc. (ERIS), and a Historical Land Use Information (HLUI) search was requested from the City of Ottawa. Responsive records received from the above searches are discussed in Section 3.3.

3.2 First Developed Use Determination

First developed use is defined as the earlier of “the first use of the Phase One Property in or after 1875 that resulted in the development of a building or structure on the property, and the first potentially contaminating use or activity on the Phase One Property” (O. Reg. 153/04).

The earliest account of the use and ownership of the property was acquired from title records and aerial photographs from 1964. No fire insurance maps (FIMs) were available for review.

Title records showed the first transfer to a private owner in 1828. The Phase One Property was subsequently transferred numerous times between private individuals from 1853 to 1992. The property was eventually acquired by an investment company (J. Laurysen Investments Inc.) in 1992 and was subsequently acquired by WM in 2021.

Aerial photographs showed the Phase One Property to consist of grassy fields until the mid-1970s. City directories listed 2413 Carp Road to be initially part of a residential property (no listing was found for 2415 Carp Road), which was later developed for industrial manufacturing use, with several buildings shown in aerial photographs from 1976. However, the Phase One Property remained vacant undeveloped land at the rear of the property – which was later cleared and graded for use as a storage and parking lot since the 1990s.

City directories listed 2415 Carp Road as occupied by Laurysen Kitchens Ltd. (2012-2017) and Klozets by Laurysen (2021-2024), which occupied the industrial building to the east of the Site boundary, at 2413-2415 Carp Road. An as-built topographic plan (WSP, 2025a) showed the 2413-2415 Carp Road property to consist of a rectangular manufacturing building shown as the ‘Laurysen Building’, having two aboveground storage tanks along the north exterior wall, as well as a garage

building to the southeast of that building. The Phase One Property was shown as having a shed structure and consist of gravel cover.

Based on the above information, the first developed use of the Phase One Property was determined to be 'agricultural or other use' in approximately 1828.

3.2.1 Fire Insurance Plans

A search for available Fire insurance maps (FIMs) was requested from ERIS in June 2025. A response from ERIS indicated that no FIMs with coverage of the Phase One Property or Phase One Study Area were available.

3.2.2 Chain of Title

A chain of title dating back to Crown ownership was requested from ERIS in June 2025. The full chain of title is provided in Appendix 9.4 and detailed below:

- 1828 – Crown transferred deed to Edward JOHNSTON
- 1846 – Edward Johnston transferred deed to John Bower LEWIS
- 1854 – John Bower Lewis transferred deed to Joseph JOHNSTON
- 1874 – Joseph Johnston transferred deed to Andrew COWAN
- 1874 – Andrew Cowan transferred deed to John HAWKSHAW
- 1881 – John Hawkshaw transferred deed to Hazelwood KEMP
- 1882 – Hazelwood Kemp transferred deed to Henry HAWKSHAW
- 1898 – Henry Hawkshaw transferred deed to John Wesley KEMP
- 1926 – John Wesley Kemp transferred deed to James I. SADLER
- 1948 – William G. Steele exor for James I. Sadler (Estate) transferred deed to Edgar K. STEELE
- 1950 – Edgar K. Steele transferred deed to Gwendolyn RADBOURNE & William RADBOURNE
- 1971 – Gwendolyn RADBOURNE & William RADBOURNE transferred deed to John Wilhelmus LAURYSSEN & Adri-Marie LAURYSSEN
- 1992 – John Wilhelmus LAURYSSEN & Adri-Marie LAURYSSEN transferred deed to J. Laurysen Investments Inc.
- 2016 – Certificate issued from Director, Appointed Under S.39, Environmental Protection Act
- 2021 – J. Laurysen Investments Inc. transferred deed to Waste Management of Canada Corporation

The title search revealed that the Phase One Property was owned by the Crown until 1828. The Phase One Property was subsequently first transferred to a private owner, and experienced numerous transfers between private individuals from 1853 to 1992. The property was acquired by an investment company (J. Laurysen Investments Inc.) in 1992 and subsequently acquired by WM in 2021.

The full title search is provided in Appendix 9.4.

3.2.3 Directory Search

A search for available city directories was requested from ERIS for the Phase One Property and Phase One Study Area in June 2025. City directories from 1992 to 2024 were provided and are summarized below.

The full city directories search is provided in Appendix 9.4.

Phase One Property

City directories from 1992 listed the Phase One Property (listed as 2413 Carp Road) was part of a residential property. The Site address was unlisted between 1997 and 2000s. The Phase One Property address was later listed as Laurysen Kitchens Ltd. (2012-2017) and Klozets by Laurysen (2021-2024), which occupied the industrial building to the east of the Site boundary, at 2413-2415 Carp Road.

Phase One Study Area

The City Directory search identified the following PCAs within the Phase One Study Area:

Location of PCA	PCA	Description
2383 Carp Road (195 m east)	#40 - Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications; #59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Allan McCoy Landscaping & Maintenance Ltd., McCoy Carpentry & Construction Ltd.
2397 Carp Road (210 m East)	#40 - Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications; #10 - Commercial Autobody Shops	Capital Services Inc. Lawn & Grounds Maintenance listed in 2012 and 2017; Prince Auto Sales used car dealership listed between 2023 and 2024

Location of PCA	PCA	Description
2301-2375 Carp Road (>15 m south)	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Waste Management Co. Landfill Listed in 2012 and 2017.

The above PCAs are discussed further in Section 7.2.

3.2.4 Environmental Reports Pertaining to the Phase One Property

The following environmental reports were available for review for the Phase One Property:

- WSP, 2025a. West Carleton Environmental Centre, As-Built Drawing: Existing Site Conditions as of January 2025. WSP Canada Inc. Drawing No. CA0033782.9434-2502C, dated January 2025.
- WSP, 2025b. Technical Memorandum: Soil Analysis To Support The Maintenance Building Permit Application WCEC (West Carleton Environmental Centre), 2393 Carp Road, Ottawa. WSP Canada Inc. Project No. CA0051319.2938, dated May 22, 2025.
- BluMetric, 2025. Technical Memorandum: Soil Confirmatory Analysis Following the Removal of Stained Soil at the Phase One Property at 2413-2415 Carp Road, Ottawa. BluMetric Environmental Inc. Project No. 250442, dated July 7, 2025.

The as-built drawing (WSP, 2025a) showed the 2413-2415 Carp Road property to consist of a rectangular manufacturing building shown as the 'Laurysen Building', having two aboveground storage tanks along the north exterior wall, as well as a garage building and showroom building to the southeast of that building. The property also was shown to have two septic beds and two wells along the eastern area of the property. The Phase One Property was shown as having a shed structure and consists of gravel cover.

Four (4) boreholes were advanced on the Phase One Property – identified as the parcel intended for the construction of the Maintenance Building (WSP, 2025b). Five (5) composite soil samples were collected at each borehole at varying depths. The subsurface material was described as gravel, silt, sand and topsoil, overlying sand and silt from 0.61 to 1.7 m below grade surface (bgs), followed by coarse sand from 1.7 to 2.8 m bgs. The samples were analysed against Table 7 Site Condition Standards (SCS) for shallow soil and non-potable ground water conditions. All five samples were below Table 7 and Table 2 SCS for metals and below reported detection limits for petroleum hydrocarbons (PHC) F1-F4, polycyclic aromatic hydrocarbons (PAH) and volatile organic compounds (VOC), and could be used as fill at the WCEC.

In July 2025, during site reconnaissance (See Section 5.0), observations were made of oily and stained soil in the area of the shed and at the southwest portion of the Phase One Property. As such, soil was removed to a depth of 0.25 m bgs at the shed area and to 0.20 m depth at the southwest portion of the property, and four surface soil samples were subsequently collected from these areas (one sample was collected at the shed area and three samples were collected at the southwest portion of the property) to determine if impacts were present on the Phase One Property. The reported concentrations for all analytes in soil was less than the MECP Table 7 and Table 2 Site Condition Standards (MECP 2011) at the four sample locations. It was concluded that no impacts to soil were identified at the Site from the stained and oily gravel areas.

The above documents are attached in Appendix 9.4.

3.3 Environmental Source Information

3.3.1 Federal, Provincial and Private Environmental Databases

Schedule D, Part II, subsection 3 (2), paragraph 7 of O. Reg. 153/04 lists 11 types of information to be obtained and presented in this section of the Phase One ESA report as shown below:

Information Type	Locations and Areas of Interest	ERIS Databases Searched
National Pollutant Release Inventory information maintained by Environment Canada	Phase One Property and 250 m radius around Phase One Property	NPRI, NPRI2
PCB information maintained by the MECP	Phase One Property and 250 m radius around Phase One Property	OPCB
Certificates of approval, permits to take water, certificates of property use or similar instruments issued by the MECP related to the environmental condition	Phase One Property and any adjacent property	CA, CPU, EBR, EASR, ECA, PTTW
Inventory of coal gasification plants that is maintained by the MECP	Phase One Property and 250 m radius around Phase One Property	COAL
Reports of environmental incidents, orders, offences, spills, discharges of contaminants or inspections by the MECP	Phase One Property and any adjacent property	CONV, EMHE, HINC, MISA PENALTY, NCPL, ORD, SPL
Waste management records, including current and historical waste storage locations and waste generator and waste receiver information	Phase One Property and any adjacent property	ANDR, GEN LIMO, NDWD, REC, WDS, WDSH

Information Type	Locations and Areas of Interest	ERIS Databases Searched
Reports submitted to the MECP related to environmental conditions	Phase One Property and any adjacent property	OOGW, RSC, WWIS
Retail fuel storage tank information maintained by the Technical Standards and Safety Authority	Phase One Property and 250 m radius around Phase One Property	CFOT, EXP, HINC, INC, PINC, VAR
Notice and instruments, including records of site condition, posted in the Environmental Registry	Phase One Property and 250 m radius around the Phase One Property	EBR, PES, PTTW, RSC, SRDS
Area of natural significance maintained by the Ministry of Natural Resources	Phase One Property and 2,000 m radius around Phase One Property	ANSI
Information about landfills maintained by the MECP	Phase One Property and 250 m around Phase One Property	LIMO, WDS, WDSH

A search of the following additional federal, provincial, and private source databases was undertaken by Environmental Risk Information Services Inc. (ERIS) in June 2025 for the Phase One Property and Phase One Study Area:

Information Type	Locations and Areas of Interest	ERIS Databases Searched
Provincial and private databases of locations of mineral occurrences, mines, pits and quarries	Phase One Property and 250 m radius around Phase One Property	AAGR, AGR, AMIS, MINE, MNR
Private databases of location and description of various industrial and commercial operations	Phase One Property and 250 m radius around Phase One Property	AUWR, CHEM, PAP, SCT
Federal database of dry cleaners using tetrachloroethylene	Phase One Property and 250 m radius around Phase One Property	CDRY
Federal databases of pulp and paper mills	Phase One Property and 250 m radius around Phase One Property	EEM
Federal database of location and severity of contaminated sites on inhabited First Nation reserves, Federal lands, and contaminated sites for which the federal government has some or all financial responsibility	Phase One Property and 250 m radius around Phase One Property	EIIS, FCS
Federal reports of environmental incidents, orders, offences, spills, discharges of contaminants or inspections	Phase One Property and 250 m radius around Phase One Property	FCON, NATE, NDSP, NEBI, NEES

Information Type	Locations and Areas of Interest	ERIS Databases Searched
Federal and private databases of fuel storage tanks	Phase One Property and 250 m radius around Phase One Property	CNG, FOFT, FST, FSTH, IAFT, NDFT, PCFT, PRT, RST, TANK, TCFT
Federal database of large facilities with greenhouse gas emissions	Phase One Property and 250 m radius around Phase One Property	GHG
Federal and private databases of oil and gas wells	Phase One Property and 250 m radius around Phase One Property	NEBW, OGW
PCB information maintained by the MECP	Phase One Property and 250 m radius around Phase One Property	NPCB

Descriptions of the databases and detailed records can be found in the ERIS report in Appendix 9.4.

Phase One Property

No records were identified for 2413 Carp Road. Twenty-five (25) database records were identified for 2415 Carp Road. The following PCAs were subsequently identified:

Location of PCA	PCA	Description
2415 Carp Road	#33 – Metal Treatment, Coating, Plating and Finishing; and #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	NPRI ID 11159 listed under NPRI2 database for Laurysen Kitchens between 2004 and 2023. Facility reports indicate the facility was subject to the Chromium Electroplating, Chromium Anodizing and Reverse Etching Regulations (SOR/2009-162), and manufactured wood kitchen cabinets and countertops.
	#39 – Paint Manufacturing, Processing, and Bulk Storage	EASR, ECA, and EBR records for Laurysen Kitchens Ltd. related to the certificate of approval for emissions into the air from the operation of six paint spray booths.
	#33 – Metal Treatment, Coating, Plating and Finishing; and #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	SCT records for Laurysen Kitchens Limited for Wood Window and Door Manufacturing, Millwork, and Wood Kitchen Cabinet and Countertop Manufacturing.
	GEN - Waste Generator; #51 - Solvent Manufacturing, Processing and Bulk Storage; and #39- Paints Manufacturing, Processing and Bulk Storage	Laurysen Kitchens Limited was a registered Waste generator of Waste oils/sludges (petroleum based), Wastes from the use of pigments, coatings and paints, and aromatic and aliphatic solvents between 2014 and 2021.
	SPL – Spill and #55 – Transformer Manufacturing, Processing, and Use	SPL record dated Feb 13, 2015 for a spill of 77 L of suspected PCB-containing mineral oil to the ground (registered to Hydro One).

Based on an evaluation of the activities described in the records above and the boundaries of the Phase One Property being a portion of the overall property, it was determined that the above records were more likely to be associated with the industrial developed areas of the property – i.e., the building area to the east-northeast of the Phase One Property, previously occupied by Laurysen Kitchens Ltd. **Therefore, the above PCAs were considered more likely to be off-site PCAs.**

The above PCA are discussed further in Section 6.2.1.

Phase One Study Area

An additional 56 database records were found within a 300 m radius of the Site. The following PCAs were subsequently identified within the Phase One Study Area:

Address	Location of PCA on Phase One Property		PCA # & Description	Notes
	Distance from Site (m)	Direction from Site		
2397 Carp Road	210 m	northeast	#40 - Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	CAPITAL S.L.C. INC. listed under Pesticide Registry (PES) with an operator and legacy license
2425 Carp Road	>15 m	North-Northwest	#AGR – Aggregate Pit	Campbell, Lyle W. & Catherine Faye listed under Aggregate Inventory (AGR) for a 7.7 ha 2000 tonnes Class A license aggregate pit – inactive.
2355 [2301-2375]Carp Road (Carp Landfill)	>15 m	Southeast	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	2419787 Ontario Inc. listed under Environmental Registry (EBR) and Waste Disposal Sites (WDS) for Waste Processing; a waste disposal site to be used for the processing of non-hazardous Liquid Soil originated from hydrovac operations.

Thirty WWIS and two BORE records were also found within 300 m of the Phase One Property. The well record details are provided in the ERIS report in Appendix 9.4.

An Amended Environmental Compliance Approval (Number A461002; issued March 25, 2022) was also provided for West Carleton Environmental Centre located at 2301 Carp Road, for the use and operation of a 72.26 ha landfill site (consisting of 37.8 ha Landfill Expansion Area and 34.46 ha Closed Landfill Area), and a waste transfer/processing facility within a total site area of 232.9 hectares, with a contaminant attenuation zone, consisting of two parcels totalling 51.3 ha.

3.3.2 Ontario Ministry of Environment, Conservation and Parks (MECP)

A request for information on the Phase One Property was filed by BluMetric with the Ontario Ministry of the Environment, Conservation and Parks (MECP) Environmental Information Program (EPI) office on 12 June 2025. In a response dated 19 June 2025, the EPI Program revealed that records were on file for Waste Generator number/classes and Sector Inspection records. The request was subsequently forwarded to the Freedom of Information (FOI) office to obtain copies of these records. No responsive records have been received to date. These records were assumed to be associated with the industrial use on the developed area (i.e., building footprint) of the property at 2413-2415 Carp Road, and not the specific area of the Phase One Property.

A copy of the above MECP correspondence is provided in Appendix 9.4.

3.3.3 Technical Standards and Safety Authority (TSSA)

A request for information about the Phase One Property and several of the surrounding properties was filed with the Technical Standards & Safety Authority (TSSA) on 12 June 2025 by BluMetric. An e-mail response received on 12 June 2025 indicated that no records were found in their database of any fuel storage tanks at the Phase One Property.

A copy of the above TSSA correspondence is provided in Appendix 9.4.

The TSSA cannot guarantee having information on sites that have not been licensed since 1987. It should be noted that the Fuels Safety Division did not register private fuel underground/above ground storage tanks prior to January 1990 or furnace oil tanks prior to 01 May 2002. Also note that the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences etc. or above ground gas or diesel tanks.

3.3.4 City of Ottawa - Historical Land Use Information (HLUI)

A request for a search of the City of Ottawa's Historical Land Use Inventory (HLUI) database for was submitted in June 2025. It is understood that information provided within the HLUI database was updated as of 2019.

No records were found identified specifically for the Phase One Property within the HLUI search. One record was identified for the property at 2413-2415 Carp Road, but this activity is not considered to have been located on the Phase One Property.

Activities associated with properties within a 250 m radius of the Phase One Property were identified within the HLUI search, summarized below. The full HLUI search is included in Appendix 11.2. A short list of activities/properties of potential interest for the Phase One Property is produced below. The list was compiled based on the described nature of the Activity.

Activity ID	Company Name (Years of Operation) and Address	Facility Type / Comments	PCA Identified? (Yes/No)
8868	Laurysen Kitchens Limited (1994-2017) at 2413-2415 Carp Road	Sash, Door, and other Millwork Industries	Yes (#59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products)
7037, 6257	Carp Road Dump (1970 to 2004) and Laidlaw Waste Systems (Ottawa) Ltd. (1992-1998) located at 2301 Carp Road	Dump – Carp Landfill Site (Active)	Yes (#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners)
7148,8138	Laidlaw Waste Systems (Ottawa) Limited (1985 to 1998) and Canadian Waste Services Ltd (1998) at 2301 Carp Road	Other Utility Industries	
7417	Howard C. Rump Sand/Gravel Pit (1967-1985) at 2301 Carp Road	Sand and Gravel Pits	Yes (#AGR – Aggregate Pit)

The above PCAs are further discussed in Section 6.2 and shown in Figure 5 and 6 in Appendix 9.3. All of the other records listed in the HLUI were considered to be outside of the Phase One Study Area.

3.3.5 Waste Disposal Sites

The document entitled *Waste Disposal Site Inventory* (MOE, 1991) contains a listing of active and closed waste disposal sites in Ontario as of 31 October 1990. This inventory uses the Universal Transverse Mercator (UTM) grid system to locate the waste disposal sites. The UTM at the centre of the Phase One Property are approximately 423916.96 m E m E 5015311.35 m N (Zone 18).

The above document listed one waste disposal site within a 2 km radius of the Phase One Property, detailed below.

Site ID	Location (Distance)	Active/Closed (Years)	Class (Waste Types)
Carp Landfill (Laidlaw Waste Systems (Ottawa) Ltd.)	2301 and 2375 Carp Road (adjacent to the south of the Site)	Active (since 1922)	A3 (Domestic: 21%; Commercial: 64%; Other: 1%)

In addition, a Waste Disposal Site (WDS) record was found registered to 2419787 ONTARIO INC. for 2355 Carp Road, having approvals under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for the operation of a waste disposal site for the processing of liquid soils to be generated in the Province of Ontario (ECA NUMBER A-500-9241554674 Version: 1.0 Issue Date: April 8, 2024). Approval was granted for the following operations:

1. The site is to receive 250 cubic meters of hydrovac liquid soil per day for processing using gravity drainage.
2. The maximum storage capacity of 5,000 tonnes of dry soil at any one time.
3. Dry soils will be stockpiled on-site and will undergo mandatory testing for various chemicals prior to their reuse onsite and/or off-site.
4. Residual soil which does not meet reuse criteria is required to be transported and disposed of at an approved off-site treatment or disposal facility.
5. Decanted water will be managed via on-site settlement ponds. The approval requires weekly testing of decanted water prior to its discharge to a main pond.
6. The approval requires ground water quality testing at six on-site ground water wells on a semi-annual frequency.
7. The approval requires submission of an annual monitoring report to the District Manager.

3.3.6 Coal Gasification Plants and Coal Tar Sites

Inventories of coal gasification plants (Intera, 1987) and industrial sites where coal tar was produced or used (Intera, 1988) listed no sites located within 2 km of the Phase One Property.

3.4 Physical Setting Sources

3.4.1 Aerial Photographs

Aerial photographs and satellite images for between 1964 and 2022 were reviewed as part of the Phase One ESA. Pertinent observation and details are documented in the following table:

Year (Source)	Phase One Property	Phase One Study Area
1964	The Phase One Property appeared to be undeveloped vegetated fields.	The Study Area was predominantly developed with residential, agricultural, and natural wooded areas – as well as a landfill location south of the Site.
1976	The Phase One Property is a vacant grassy area at the rear of the industrial developed property at 2413-2415 Carp Road.	The Study Area consists of rural residential and agricultural lands to the northwest, as well as aggregate quarries appear to the north, east, and southeast of the Site. The Carp Landfill is to the south.
1991	The Phase One property has been partly cleared and appears to be grassy areas and bare soils, used for parking and passage.	The two buildings in the centre of the 2413-2415 Carp Road Property (east-northeast of the Site) were replaced by a larger industrial building. An additional small building has been developed to the northeast of this large building. The landfill and the quarry areas have expanded. The adjacent land north of the Phase One Property has expanded into a sand pit and has residential buildings developed along Carp Road. New developments of road and residential buildings are apparent throughout the Phase One Study Area and its surroundings.
1999	There were no significant changes observed.	Natural wooded areas were removed east of Carp Road and replaced by expanded aggregate quarry operations. The landfill south of the Site has also expanded. Cultivated fields and wooded lands remain to the west-northwest of the Site.
2002	The Phase One property appears to be gravel covered.	There were no significant changes observed.
2005	There were no significant changes observed.	There were no significant changes observed.
2008	There were no significant changes observed. Some storage containers and a shed structure appear to be kept on the property.	There were no significant changes observed.
2011	There were no significant changes observed. Some stockpiled material appears in proximity to the Site, to the southwest.	Aggregate activity to the north of the Site appears to have ceased operation.
2017	There were no significant changes observed. Storage containers are kept on the north part of the Site. Stockpiled soils appear on the south part of the Site.	The quarry area has expanded. Vegetation growth is visible in the landfill area. Some new residential and commercial development is visible north of the Phase One Property.
2019	There were no significant changes observed. The stockpile was removed and there appears to be large vehicles parked on the property.	There were no significant changes observed.
2021	There were no significant changes observed. The Site appears to be bare soils with vehicle and container storage, and a shed.	There were no significant changes observed. The quarry has expanded.
2022	There were no significant changes observed.	There were no significant changes observed.

The above aerial photographs are provided in Appendix 9.5.

3.4.2 Topography, Hydrology, and Geology

The Phase One Property is located on the south side of Carp Road, south of Richardson Side Road, in the Town of Stittsville, in the City of Ottawa, Ontario. The Phase One Study Area is located in the physiographic region referred to as the Ottawa Valley Clay Plain (Chapman and Putnam, 1984) and is characterized by relatively thick deposits of sensitive marine clay overlying relatively thin, commonly reworked glacial till and glaciofluvial deposits that in turn overlie bedrock. Geodetic elevations across the site are between 125 and 127 m above sea level (asl).

The surficial geology of the area consists of glaciofluvial deposits and nearshore sediments of the Quaternary period, consisting of gravel, sand and boulders; beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders were developed from till and glaciofluvial deposits; slabs and shingles were developed from sedimentary bedrock) (OGS, 2011). Well records discussed in Section 3.4.5 indicate that sand and gravel likely covers most of the Phase One Property to a depth of approximately 4.57 m bgs. This layer is underlain by brown sand and grey limestone (to the maximum depth of investigation). BH logs (WSP, 2025) from locations across the Phase One Property indicate the subsurface consists of gravel, sand, silt, and topsoil (to depths of 0.61 m bgs), underlain by sand and silt, and coarse sand.

The bedrock geology is part of the Ottawa Group of the Upper Devonian period, comprised of limestone, dolostone, shale, arkose, and sandstone (OGS, 2011). Limestone bedrock is anticipated at depths of approximately 6 to 8 m bgs.

Ground water elevation beneath the Phase One Property is unknown. Based on the local topography and the influence of the Carp River tributaries located to the northwest, ground water beneath the Phase One Property has been inferred to flow toward the north-northwest.

A topographic map is provided with the Figures in Appendix 9.3.

3.4.3 Fill Materials

Fill material including surficial gravel appears to have been placed across the Phase One Property. Fill material was likely imported to the property for grading purposes during the construction of the building on the property. Details on the site stratigraphy are provided in the drilling memo completed for the Phase One Property (WSP, 2025), provided in Appendix 9.4. The depth of fill material was not specified.

In addition, stockpiled material was observed on the south portion of the Site in aerial photographs from the 1990s and 2000s. The quality of this fill material is unknown and considered to be a PCA on the Phase One Property.

3.4.4 Water Bodies and Area of Natural Significance

There are no surface water bodies or areas of natural significance within 30 m of the Phase One Property or within the Phase One Study Area. The nearest surface water body is tributaries of the Carp River, located approximately 500 m north and west of the Site, which flow to the northeastward into the main channel of the Carp River. Carp River is located 3.6 km northeast of the Site and flows to the west-northwest towards the Ottawa River.

No Provincially Significant Life Science and Earth Science ANSIs are located within the Study Area. The Phase One Property is not located in an area designated in a municipal official plan as a well-head protection area.

3.4.5 Well Records

A review of the MECP Well Records dataset under the Ontario Regulation 903 of the Water Resources Act and the ERIS Water Well Information System (WWIS) database revealed thirty WWIS and two BORE records were also found within 300 m of the Phase One Property. The well record details are provided in the ERIS report in Appendix 9.4.

No wells were identified on the Phase One Property. Two WWIS observation well records were identified within the property at 2413-2415 Carp Road, installed in 2016 to a maximum depth of 20.75 m bgs. The subsurface was generally described as consisting of brown sand with gravel (to 4.57 m bgs) overlying brown sand (to 5.05-5.74 m bgs) and grey limestone (to maximum depth). WWIS records identified outside of the Phase One Property (within the vicinity of the Site) included potable water wells. Limestone bedrock was identified between 6 and 8.5 m depth. Depth to ground water was recorded at between 12.8 to 18.2 m bgs. Well record details are available in the ERIS report in Appendix 9.4.

3.5 Site Operating Records

The Phase One Property is a quasi-rectangular shaped 0.4 ha parcel of land consisting of gravel, bare and some vegetated areas. The Site has some storage containers used for excess storage and parking and remnants of a shed. No manufacturing or processing currently occurs or previously occurred within the boundaries of the Site. Therefore, no relevant site operating records were available for the Phase One Property.

4 Interviews

An interview was conducted with Mr. Rémi Godin on 26 June 2025. The interview was undertaken by Ms. Jaclyn Kalesnikoff, Senior Hydrogeologist of BluMetric. It is our understanding that at the time of the site inspection, Mr. Godin was the Gas Operations Manager and Senior District Engineer for Eastern Canada of Waste Management of Canada Corporation (WM) and has been with WM since early 2001.

It was confirmed that the subject property of this Phase One ESA is a smaller rectangular area of the larger 2413-2415 Carp Road property, as shown in the Figures in Appendix 9.3. It was also confirmed that the property is owned by WM.

Mr. Godin indicated that the site has historically used as a vehicle parking and storage area. The remnants of a shed are located at the northeast corner of the site, which historically housed a diesel-fueled construction loader. It was indicated that the shed was present on the property for between 15 and 18 years. It was also specified that the refueling of the loader was done within the shipping/receiving area from an aboveground storage tank (AST), located off-site of the Phase One Property. There were no records of an AST at the building at 2413-2415 Carp Road.

Mr. Godin also indicated that the site is currently occasionally used for parking of vehicles and heavy equipment, storage of two shipping containers consisting of various small equipment/ items present (e.g. a generator, fire hoses, hay bales). To his knowledge, there were no fuels, chemicals or wastes stored on the Phase One Property. Salt is not applied to the property in the winter months; however, a snow storage area was present immediately west of the property. De-icing chemicals remain a PCA since impact to the property could result from indirect exposure via transfer pathways.

Fill material is known to be present at the property and was identified in recent boreholes (WSP, 2025). Utility corridors for hydro and water are present to the south and adjacent to the property, and a drainage ditch is present adjacent to the property to the east. Two existing water supply wells were reported on the 2413-2415 Carp Road property, that supply potable water to the Lauryzen workshop and office.

Mr. Godin did not identify any spills or any other environmental concerns related to the Phase One Property.

Potentially Contaminating Activities Identified Through Interviews

PCAs identified through the above interviews include suspected exposure to de-icing chemicals and the presence of fill material of unknown quality. These are further described in Section 6.2.

Assessment of Information Gleaned Through Interviews

The information obtained during the above interview was deemed reliable and generally concurred with information acquired from our historical records review (Section 3.2) and environmental source information (Section 3.3) pertinent to the Phase One Property.

5 Site Reconnaissance

5.1 General Requirements

The Phase One Property was visited by BluMetric staff on 26 June 2025. The weather was approximately 18°C and mostly cloudy. There were no obstructions to the visual observation of the ground surface.

The Phase One Property consisted of a rectangular-shaped lot with the remnants of a shed, two shipping containers, a portable toilet, a large backup generator, a waste bin, and a stack of steel sheets. No other buildings were observed on the Site. The shed is located at the northeast corner of the property and the other items at the central and southwest portion of the property. No other buildings were present on-site. The ground surface was gravel with patches of grass and one small area of trees near the shed. Vegetation was also growing against the walls of the shed.

Photographs of the Phase One Property and corresponding written descriptions and explanations of the photographs are provided in Appendix 9.5.

BluMetric staff also surveyed the Phase One Study Area including a 250 m radius area from the Phase One Property boundaries and noted occupants of neighbouring properties. To the northeast of the Phase One Property is Laurysen Kitchens wood cabinet and countertop manufacturer, followed by an office building (within a residential house building). To the southwest of the Phase One Property is the active landfill cell followed by vacant and vegetated land. To the northwest of the Phase One Property is a surface water infiltration bed followed by a collection pond. To the south are future landfill cells and to the southeast is a surface water infiltration bed followed by a collection pond.

5.2 Specific Observations at Phase One Property

5.2.1 Structures and Other Improvements

i. General Description of Structures and Other Improvements

The Phase One Property consisted of the remnants of a shed which was unused and in very poor condition. Two shipping containers were also present and were being used to store a small amount of general construction supplies and a backup generator. No other structures were present on the property.

The remainder of the Phase One Property consisted of a gravel covered yard with patches of grass, trees and weeds.

ii. Below Ground Structures

No below ground structures were identified on any parts of the Phase One Property.

iii. Tanks

At the time of site inspection, there were no ASTs observed on the Phase One Property. In addition, there was no evidence observed to suggest there was an underground storage tank at the Phase One Property.

iv. Potable and Non-Potable Water Sources

There is no buildings requiring water on the Phase One Property. Likewise, there are potable wells to the east-northeast of the Phase One Property, shown in Figure 4. Therefore, the Phase One Property is not likely to be connected to municipal water and sanitary sewer services.

5.2.2 Underground Utilities and Service Corridors

No utilities are directly connected to the Phase One Property.

Utility corridors including telecommunications and hydro connect to the Laurysen Kitchens building to the east of the Phase One Property and to the scale house located to the south of the Phase One Property. A drainage ditch is present along the east side of the Laurysen Kitchens property, along Carp Road.

No other underground utilities were observed on, in, or under the remainder of the Phase One Property.

5.2.3 Interiors of Structures and Buildings

There are no permanent buildings present at the Phase One Property.

The only structure on the site is the remnants of a shed, located at the northeast corner of the Phase One Property. The shed was constructed out of gravel-filled concrete blocks to approximately one metre high, then topped with a tent structure that has been weathered by the elements. The floor

of the shed was observed to be gravel and contained significant staining approximately 6 m long by 1 m wide. An empty jerry can and an empty oil bottle were present on a wooden pallet at the northwest corner of the shed. It was reported that no utilities were connected to the shed historically and utilities were not connected to the shed at the time of the site visit.

5.2.4 Exterior Portions of the Phase One Property

i. Current and Former Wells

There were no wells observed on the Phase One Property at the time of Site Reconnaissance.

ii. Sewage Works

There is no water or sewer service provided to the Phase One Property.

iii. Ground Surface Details

The Phase One Property consisted mostly of bare gravel with patches of vegetation and young trees. The gravel toward the central/southwest portion of the property appeared to be dark in colour; however, there was no odour observed. Several small, stained areas were also observed and appeared to be fresh stains likely from parked vehicles (vehicles were not present during the Site Reconnaissance).

iv. Railway Lines and Spurs

No former or current rail lines or spurs are known to exist on the Phase One Property.

5.2.5 Parts of the Phase One Property Not Covered by Buildings or Other Structures

i. Stained Soil, Vegetation or Pavement

As indicated above, a large patch of dark coloured gravel was observed at the central/southwest portion of the property. Several small, stained areas were also observed and appeared to be fresh wet stains likely from air conditioning/condensation drip marks from parked vehicles.

ii. Stressed Vegetation

No stressed vegetation was observed on the Phase One Property.

iii. Area Where Fill or Debris May Have Been Placed or Graded

Fill material including surficial gravel appears to have been placed across the Phase One Property. Details on the site stratigraphy are provided in the drilling memo completed for the Phase One Property (WSP, 2025), provided in Appendix 9.4. The depth of fill material was not specified.

iv. Potentially Contaminating Activities in Areas Not Covered by Buildings or Other Structures

Fill material of unknown quality and the application/exposure to de-icing chemicals are considered to be PCAs identified on the Phase One Property. No other PCAs were identified on the Phase One Property.

v. Unidentified Substances in Areas Not Covered by Buildings or Other Structures

No unidentified substances were observed on the Phase One Property.

5.2.6 Enhanced Investigation at the Property

An Enhanced Investigation Property is defined in O. Reg. 153/04 as a property which is being used or has been used, in whole or in part, for an industrial use or for any of the following commercial uses:

- As a 'garage', defined in O. Reg. 153/04 as a place or premises where motor vehicles are received for maintenance or repairs for compensation;
- As a bulk liquid dispensing facility, including a gasoline outlet; and/or,
- The operation of dry-cleaning equipment. O. Reg. 511/09, s. 14.

The Phase One ESA Property is not considered to be an "Enhanced Investigation Property" as defined in O. Reg. 153/04.

5.2.7 Potential Asbestos Containing Materials (ACMs)

No materials likely to be ACMs were observed within the remnants of the shed building or on the Phase One Property.

5.3 Written Description of the Investigations

The investigations conducted for this assessment are described in Sections 3 through 5.

Chronologically, the first task was obtaining and reviewing available historical information available for the Phase One Property by reviewing available previous environmental reports and archival records by filing requests with the MECP, City of Ottawa, TSSA, and ERIS (see Section 3.0). Physical setting sources were also obtained and reviewed at this time. BluMetric conducted interviews (see Section 4.0) and the Phase One Property and Phase One Study Area were inspected (see Section 5.0) on 26 June 2025.

The review and evaluation of the assembled information is presented in Section 6 and Conclusions are presented in Section 7. Aside from the reconnaissance visit, interviews, and review of information collected from numerous sources, no other investigations were conducted.

Based on the results of the above investigation, it was confirmed that the Phase One Property is not connected to the municipal water and sanitary sewer system. Private drinking water wells were located within the Phase One Study Area (See Figure 4). The QP therefore assumed that all properties located, in whole or in part, within 250 m of the boundaries of the property, are supplied by private drinking water wells.

6 Review and Evaluation of Information

6.1 Current and Past Uses

The current and past uses of the Phase One Property are described in the Table below:

Year(s)	Ownership	Description of Use	Property Use Type	Notes
Prior To 1828	Crown	Undeveloped Cultivated Fields	Agricultural or Other Use	Title search: First transfer from Crown to private owner in 1828. No Fire insurance plans were available. City directories were not available prior to 1992. Aerial photographs from 1964 showed the Site to be vacant fields.
1828	Edward Johnston			
1846	John Bower Lewis			
1854	Joseph Johnston			
1874	Andrew Cowan			
1874	John Hawkshaw			
1881	Hazelwood Kemp			
1882	Henry Hawkshaw			
1898	John Wesley Kemp			
1926	James I. Sadler			
1948	Edgar K. Steele			
1950	Gwendolyn Radbourne & William Radbourne			
1971	John Wilhelmus Laurysen & Adri-Marie Laurysen			
1992	J. Laurysen Investments Inc.	The Phase One Property was cleared and graded and remained undeveloped vacant land, at the rear of the commercial/industrial property at 2413-2415 Carp Road.	Agricultural or Other Use	Aerial photographs taken since 1976 have showed the property at 2413-2415 Carp Road to be developed for commercial/industrial use, with buildings to the east of the Site boundary. The Phase One property was graded and covered with fill/gravel and also consisted of minor vegetation – being used as part a storage yard at the rear of the property. No buildings have ever been built on the Site.
2021	Waste Management of Canada Corporation	In the 1990s, the Phase One Property remained vacant land, used as part of a storage yard at the rear of the property, consisting of gravel, bare ground, and minor vegetation. Some shipping containers and vehicles were stored on the Site.		

6.2 Potentially Contaminating Activity

6.2.1 Phase One Property

No PCAs or APECs were identified for the Phase One Property.

As described in Section 3.2.4, drilling of boreholes and soil sampling conducted in May 2025 (WSP, 2025b) did not identify impacts to soil. Removal of stained soil and oily gravel followed by soil sampling of the base of the excavated area was conducted in July 2025 (BluMetric, 2025). The lab results of subsequent surface soil sampling/testing in these areas indicate that soil impacts were not found in the remaining soils on the Phase One Property. While de-icing salts may have been applied to areas surrounding the Phase One Property, further investigation of salt-related impacts is not required in a Phase Two as per Section 49.1 of O. Reg. 153/04 and is therefore not considered to be a PCA for the property.

6.2.2 Phase One Study Area

Based on an evaluation of the PCAs potential to impact the Phase One Property, most of the PCAs were considered to be either cross-gradient/downgradient to or at a significant distance from the Phase One Property. The PCAs that were considered to lead to APECs on the Phase One Property are described in the table below.

Address	Distance to Phase One Property (m)	Direction to Phase One Property	PCA Description	Notes	Evaluation
					Leads to APEC
2415 Carp Road (Building Footprint)	>5 m	E	#33 – Metal Treatment, Coating, Plating and Finishing; & #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	NPRI ID 11159 listed under NPRI2 database for Laurysen Kitchens between 2004 and 2023. Facility reports indicate the facility was subject to the Chromium Electroplating, Chromium Anodizing and Reverse Etching Regulations (SOR/2009-162), and manufactured wood kitchen cabinets and countertops.	No (See rationale below and in Section 7.1)
			#39 – Paint Manufacturing, Processing, and Bulk Storage	EASR, ECA, and EBR records for Laurysen Kitchens Ltd. related to the certificate of approval for emissions into the air from the operation of six paint spray booths.	

Address	Distance to Phase One Property (m)	Direction to Phase One Property	PCA Description	Notes	Evaluation
					Leads to APEC
			#33 – Metal Treatment, Coating, Plating and Finishing; & #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	SCT records for Laurysen Kitchens Limited for Wood Window and Door Manufacturing, Millwork, and Wood Kitchen Cabinet and Countertop Manufacturing.	
			GEN - Waste Generator; #51 - Solvent Manufacturing, Processing and Bulk Storage; & #39- Paints Manufacturing, Processing and Bulk Storage	Laurysen Kitchens Limited was a registered Waste generator of Waste oils/sludges (petroleum based), Wastes from the use of pigments, coatings and paints, and aromatic and aliphatic solvents between 2014 and 2021.	
			#28 – Gasoline and Associated Products Storage in Fixed Tanks	The site reconnaissance and as-built topographic plans (WSP, 2025) showed two ASTs along the northern exterior wall of the Laurysen Building – 50 m east-northeast of the Site. No other records were identified.	No (PCA is located cross-gradient to the Site)
			#10 – Commercial Autobody Shop	As-built topographic plans (WSP, 2025) showed a 'garage' on the 2413-2415 Carp Road property – 165 m east-northeast of the Site. No other records were identified.	No (PCA is located cross-gradient and a significant distance from the Site)
			SPL – Spill & #55 – Transformer Manufacturing, Processing, and Use	SPL record dated Feb 13, 2015 for a spill of 77 L of suspected PCB-containing mineral oil to the ground (registered to Hydro One). Pole-mounted transformers were identified along the northern property line of 2413-2415 Carp Road – 25 m northeast of the Site.	No (PCA is located cross-gradient to the Site)

Address	Distance to Phase One Property (m)	Direction to Phase One Property	PCA Description	Notes	Evaluation
					Leads to APEC
2383 Carp Road	195	E	#40 - Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications; #59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Allan McCoy Landscaping & Maintenance Ltd., McCoy Carpentry & Construction Ltd.	No (PCA is located cross-gradient and a significant distance from the Site)
2397 Carp Road	210	E	#40 - Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications; #10 - Commercial Autobody Shops	Capital Services Inc. Lawn & Grounds Maintenance listed in 2012 and 2017; Prince Auto Sales used car dealership listed between 2023 and 2024. CAPITAL S.L.C. INC. listed under Pesticide Registry (PES) with an operator and legacy license	No (PCA is located cross-gradient and a significant distance from the Site)
2301-2375 Carp Road	>15 m	S	#58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Waste Management Co. Landfill. ECA A461002; issued March 25, 2022) for West Carleton Environmental Centre located at 2301 Carp Road, for the use and operation of a 72.26 ha landfill site (consisting of 37.8 hectare Landfill Expansion Area and 34.46 hectare Closed Landfill Area), and a waste transfer/processing facility within a total site area of 232.9 hectares, with a contaminant attenuation zone, consisting of 2 parcels totalling 51.3 ha.	No (See rationale below and in Section 7.1)
			#AGR - Aggregate Pit	Record of Howard C. Rump Sand and Gravel Pit (1967-1985) identified at 2301 Carp Road.	
2425 Carp Road	>15 m	NNW	#AGR - Aggregate Pit	Campbell, Lyle W. & Catherine Faye listed under Aggregate Inventory (AGR) for a 7.7 ha 2000 tonnes Class A license aggregate pit - inactive.	No (PCA located downgradient to the Site).

- Five (5) off-site PCAs defined above were identified on the property adjacent to the east-northeast property boundary of the Site, at 2415 Carp Road and associated with the occupant of the building (Laurysen Kitchens Limited). Despite being adjacent to the Site, given that these PCAs would be associated with activities conducted within the building and that the building is positioned mainly cross-gradient (with downgradient parts) to the Phase One Property based on the direction of ground water flow; the risk of impacts from these activities to the Phase One property is considered to be low and does not create an Area of Potential Environmental Concern (APEC) on the Phase One Property.
- Two (2) off-site PCAs defined above were identified for the Carp Landfill property located at 2301-2375 Carp Road, to the south and southwest of the Phase One Property (upgradient to the Site). This operation is believed to be well managed and is regularly monitored under an ECA (discussed in Sections 3.3.2 and 3.3.6), with a functioning leachate collection system present. In addition, it is our understanding that the Phase One Property is proposed to become part of the larger landfill property and is not changing use. It is therefore the opinion of the QP that the risk of impacts to ground water at the Phase One Property from the operation of the Carp Landfill is considered to be low and does not create an APEC on the Phase One Property.

6.2.3 Information Gaps in the Phase One Investigation

All readily available records and responses received from various authorities were reviewed and are attached in Appendix 9.4.

6.3 Areas of Actual or Potential Environmental Concern

No APECs were identified on the Phase One Property due to current and historical land uses, as shown in Figure 6.

6.3.1 Contaminants of Potential Concern

The APEC table above in Section 7.3 identifies contaminants of potential concern associated with each APEC. The contaminants of potential concern were identified based on the type of PCA identified.

6.4 Phase One Conceptual Site Model

This Phase One Conceptual Site Model (CSM) has been prepared based on historical records review, site reconnaissance, building inspections, and interviews with knowledgeable persons collected to

date as part of the Phase One Environmental Site Assessment (ESA) conducted at the Phase One Property by BluMetric.

The Phase One CSM comprises the following text and associated drawings, as referenced below.

Section 1. Provide one or more figures of the Phase One Study Area that;	Please refer to Figures 1 through 6.
i. Show any existing buildings and structures,	Figure 1: Phase One Property & Study Area Plan • Location of the Phase One Property within the Phase One Study Area Figure 2: Phase One Property Site Features • Location of buildings and structures on Phase One Property
ii. Identify and locate water bodies located in whole or in part in the Phase One Study Area,	Figure 3: Topographic Map, Areas of Natural Scientific Interest, & Water Bodies • Location of Water Bodies within the Phase One Study Area There are no surface water bodies within 30 m of the Phase One Property or within the Phase One Study Area. The nearest surface water body is tributaries of the Carp River, located approximately 500 m north and west of the Site, which flow to the northeastward into the main channel of the Carp River, located 3.6 km northeast of the Site and flows to the west-northwest towards the Ottawa River.
iii. Identify and locate any areas of natural significance located in whole or in part on the Phase One Study Area,	Figure 3: Topographic Map, Areas of Natural Scientific Interest, & Water Bodies • Identifies and locates areas of natural significance within the Phase One Study Area There are no areas of natural significance within 30 m of the Phase One Property or within the Phase One Study Area. No Provincially Significant Life Science and Earth Science ANSIs are located within the Study Area. The Phase One Property is not located in an area designated in a municipal official plan as a well-head protection area.
iv. Locate any drinking water wells at the Phase One Property	Figure 4: MECP Water Well Records • Location of MECP registered water wells within the Phase One Study Area • Location of any potable wells within the Phase One Study Area • Location of any wellhead protection areas and any other ground water protection areas within the Phase One Study Area Potable water supply wells were identified within the Phase One Stud Area.
v. Show roads, including names, within the Phase One Study Area,	Figure 1: Phase One Property Location & Study Area Plan • Location of the Phase One Property within the Phase One Study Area • Roads and feature names within the Phase One Study Area
vi. Show uses of properties adjacent to the Phase One Property,	Figure 5: CSM – Phase One Study Area • Uses of properties adjacent to the Phase One Property

Section 1. Provide one or more figures of the Phase One Study Area that;	Please refer to Figures 1 through 6.
vii. Identify and locate areas where any potentially contaminating activity has occurred, and show tanks in such areas,	Figure 5: CSM – Phase One Study Area • Locations of on-site and off-site PCAs • Locations of storage tanks within the Phase One Study Area Seven (7) PCAs were identified within the Phase One Study Area.
viii. Identify and locate any areas of potential environmental concern.	Figure 6: CSM – Phase One Property • Locations of APECs within the Phase One Property No APECs were identified on the Phase One Property
Section 2. Provide a description and assessment of,	
i. areas where potentially contaminating activity on, or potentially affecting the Phase One Property has occurred,	<u>None</u>
Section 2. Provide a description and assessment of,	
ii. Contaminants of potential concern,	None
iii. Potential for underground utilities, if present, to affect contaminant distribution and transport,	No utilities are directly connected to the Phase One Property. Utility corridors including telecommunications and hydro connect to the Laurysen Kitchens building to the east of the Phase One Property and to the scale house located to the south of the Phase One Property. A drainage ditch is present along the south side and east side of the Laurysen Kitchens property, along Carp Road. No other underground utilities were observed on, in, or under the remainder of the Phase One Property.

iv. Available regional or site specific geological and hydrogeological information, and	The Phase One Property is located on the south side of Carp Road, south of Richardson Side Road, in the Town of Stittsville, in the City of Ottawa, Ontario. The study area is located in the physiographic region referred to as the Ottawa Valley Clay Plain (Chapman and Putnam, 1984) and is characterized by relatively thick deposits of sensitive marine clay overlying relatively thin, commonly reworked glacial till and glaciofluvial deposits that in turn overlie bedrock. Geodetic elevations across the site are between 125 and 127 m above sea level (asl). The surficial geology of the area consists of glaciofluvial deposits and nearshore sediments of the Quaternary period, consisting of gravel, sand and boulders; beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders were developed from till and glaciofluvial deposits; slabs and shingles were developed from sedimentary bedrock) (OGS, 2011). Well records discussed in Section 3.4.5 indicate that sand and gravel fill likely covers most of the Site to a depth of approximately 4.57 m bgs. This fill layer is underlain by brown sand and grey limestone (to the maximum depth of investigation). BH logs (WSP, 2025) from location across the Phase One Property indicate the subsurface consists of gravel, sand, silt, and topsoil (to depths of 0.61 m bgs), underlain by sand and silt, and coarse sand. The bedrock geology is part of the Ottawa Group of the Upper Devonian period, comprised of limestone, dolostone, shale, arkose, and sandstone (OGS, 2011). Limestone bedrock is anticipated at depths of approximately 6 to 8 m bgs. Ground water elevation beneath the Site is unknown. Based on the local topography and the influence of the Carp River located northeast, ground water beneath the Phase One Property has been inferred to flow toward the north-northwest.
v. How uncertainty or absence of information obtained in each of the components of the Phase One ESA could affect the validity of the model.	All readily available records and responses received from various authorities were reviewed and are attached in Appendix 9.4.

Section 3. If the exemption set out in paragraph 1, 1.1 or 2 of section 49.1 of the regulation is being relied upon, document the rationale for relying upon the exemption, which may be based on information gathered during one or more of the records review, interviews and site reconnaissance.	Section 49.1 provides exemption if applicable site conditions standards are exceeded on the basis that: (1.) Substances applied to surfaces for safety of vehicular or pedestrian traffic under conditions of snow or ice or both. (1.1) Excess soil deposited at the RSC property for final placement meets the soil quality standards that apply to the RSC property as determined in accordance with the Excess Soil Standards. (2.) Due to a discharge of drinking water within the meaning of the Safe Drinking Water Act, 2002 Paragraph 1. of Section 49.1 is being relied upon. The Site is presumed to have been directly or indirectly exposed to de-icing salts and/or other de-icing chemicals. These chemicals would have been applied to these surfaces for safety of vehicular or pedestrian traffic under conditions of snow or ice or both. Paragraphs 1.1, and 2 of section 49.1 are not being relied upon.
Section 4. If there is an intention to rely upon the exemption set out in paragraph 3 of section 49.1 of the regulation, set out the intention to rely upon the exemption and provide a brief explanation as to why the exemption may apply, which may be based on information gathered during one or more of the records review, interviews and site reconnaissance.	Paragraph 3 of section 49.1 provides exemption if applicable site conditions standards are exceeded on the basis that the concentration of the contaminant does not exceed naturally occurring range of concentrations of that contaminant typically found within the area the property is located. Paragraph 3 of section 49.1 is not being relied upon.

7 Conclusions

7.1 Is a Phase Two ESA Required Before an RSC is Submitted?

Based on the findings of this Phase One ESA:

- No on-site PCAs were identified for the Phase One Property. Based on recent soil sampling completed on the Phase One Property by WSP (May 2025) and BluMetric (July 2025, discussed in Sections 3.2.4 and 6.2.1, it was found that no soil impacts are present on the Phase One Property. In addition, the recent BluMetric memo dated July 2025, documents the removal of stained/oily surface soils from two areas of the Site, the shed area and southwest portion of the Phase One property. The results of subsequent surface soil sampling/testing in these areas (described in Section 3.2.4) indicate that soil impacts are not present on the Phase One property (described in Section 3.2.4 and 6.2.1). Therefore, no PCAs or APECs were identified on the Phase One Property.
- Five (5) off-site PCAs were identified on the property adjacent to the east-northeast property boundary of the Site, at 2415 Carp Road and associated with the former occupant of the building (Laurysen Kitchens Limited). Despite being adjacent to the Site, given that these PCAs would be associated with activities conducted within the building and that the building is positioned mainly cross-gradient (with downgradient parts) to the Phase One Property; it is the opinion of the QP that the risk of impacts from these activities to the Phase One property is considered to be low.
- Two (2) off-site PCAs were identified for the Carp Landfill property located at 2301-2375 Carp Road, to the south and southwest of the Phase One Property. This operation is understood to be well managed and is regularly monitored under an Environmental Compliance Approval (Number A461002), discussed in Sections 3.3.2 and 3.3.6, with a functioning leachate collection system present. In addition, it is understood that the Phase One Property is proposed to become part of the larger landfill property and is not changing use. It is therefore the opinion of the QP that the risk of impacts to ground water at the Phase One Property from the operation of the Carp Landfill is considered to be low.

Consequently, no APECs have been identified on the Phase One Property, and a Phase Two ESA is therefore not deemed to be warranted at this time.

7.2 Can an RSC be Submitted on the Phase One ESA Alone?

It is the opinion of the QP that an RSC is not required for the Phase One Property as it is not being redeveloped for a more sensitive land use.

7.3 Limiting Conditions, QP Statement, and QP Signature

This Phase One ESA report was performed in accordance with the substance and intent of the Phase One ESA document produced by the Canadian Standards Association (CSA Z768-01 and Update No. 1) and the definition in O. Reg. 153/04. The findings in this report are based on: observations made during a site reconnaissance; a review of historical records concerning the current and past uses of the Phase One Property; and requests for information filed with provincial and municipal agencies.

The conclusions presented in this report represent our professional opinion and are based on the conditions observed on the dates set out in the report, the information available at the time this report was prepared, the scope of work, and any limiting conditions noted herein.

BluMetric Environmental Inc. provides no assurances regarding changes to conditions subsequent to the time of the assessment. BluMetric makes no warranty as to the accuracy or completeness of the information provided by others or of the conclusions and recommendations predicated on the accuracy of that information.

This report has been prepared for Waste Management of Canada (WM). Any use a third party makes of this report, any reliance on the report, or decisions based upon the report, are the responsibility of those third parties unless authorization is received from BluMetric Environmental Inc. in writing. BluMetric Environmental Inc. accepts no responsibility for any loss or damages suffered by any unauthorized third party as a result of decisions made or actions taken based on this report.

This report was written by Amanda Gartshore and the site reconnaissance and technical and QA/QC review of the Phase One ESA Report was completed by Jaclyn Kalesnikoff.

Statement and Signature of the Qualified Person

This Phase One Environmental Site Assessment of the Phase One Property includes the evaluation of information gathered from a records review, site reconnaissance, and interviews. It has been conducted in accordance with O. Reg. 153/04, by or under the supervision of a qualified person.

Respectfully submitted,
BluMetric Environmental Inc.



Amanda Gartshore, M.Sc., CAPM, EP
Intermediate Environmental Scientist



Jaclyn Kalesnikoff, P.Geo., QP_{ESA}
Senior Hydrogeologist



8 References

BluMetric, 2025. Technical Memorandum: Soil Confirmatory Analysis Following the Removal of Stained Soil at the Phase One Property at 2413-2415 Carp Road, Ottawa. BluMetric Environmental Inc. Project No. 250442, dated July 7, 2025.

Intera Technologies Limited, 1987. *Inventory of Coal Gasification Plant Waste Sites in Ontario*. Prepared for Ontario Ministry of the Environment, Waste Management Branch.

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Natural Resources Canada, 2011. The Atlas of Canada, Topographic Maps: *Toporama Web Map Service* - Toronto, Ontario [Digital topographic data]. Version 1.0. 1:12,600. Ottawa: Natural Resources Canada.

Ontario Ministry of Natural Resources, March 2017. ANSI (ANSI).

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Ontario Ministry of the Environment (MOE). 2011. Soil, Ground Water and Sediment Standards for Use Under Part XV.I of the Environmental Protection Act.

Ontario Ministry of the Environment, 2004 (amended July 1, 2011). *Environmental Protection Act, Ontario Regulation 153/04, Records of Site Condition - Part XV.1 of the Act.*

WSP, 2025a. West Carleton Environmental Centre, As-Built Drawing: Existing Site Conditions as of January 2025. WSP Canada Inc. Drawing No. CA0033782.9434-2502C, dated January 2025.

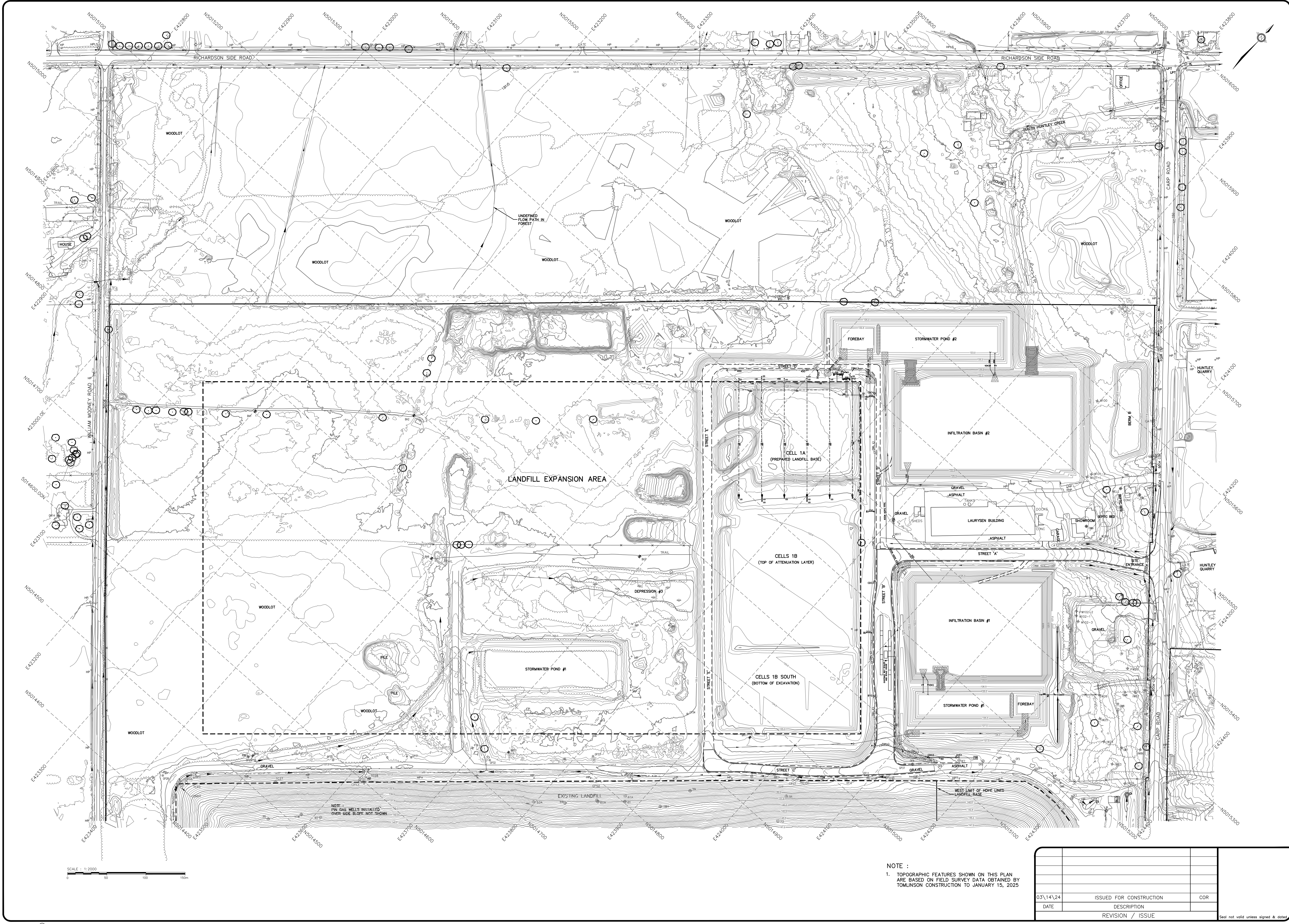
WSP, 2025b. Technical Memorandum: Soil Analysis To Support The Maintenance Building Permit Application WCEC (West Carleton Environmental Centre), 2393 Carp Road, Ottawa. WSP Canada Inc. Project No. CA0051319.2938, dated May 22, 2025.

9 Appendices

9.1 Plan of Survey

O. Reg. 153/04 requires that a phase one environmental site assessment report include a current plan of survey of the Phase One Property that has been prepared, signed, and sealed by a surveyor.

C:\1-TOMS WORK\WEST CARLETON 2025\2025 ISSUED FOR CONSTRUCTION DRAWINGS\FEB 20 2025\CA0033782.9434-2502C EXISTING SITE CONDITIONS AS OF JANUARY 2025.dwg Feb 26, 2025 - 4:24pm



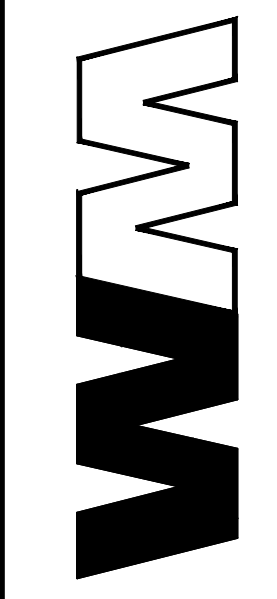
NOTE :
1. TOPOGRAPHIC FEATURES SHOWN ON THIS PLAN ARE BASED ON FIELD SURVEY DATA OBTAINED BY TOMLINSON CONSTRUCTION TO JANUARY 15, 2025

03/14/24	ISSUED FOR CONSTRUCTION	COR
DATE	DESCRIPTION	
	REVISION / ISSUE	

Seal not valid unless signed & dated



55 KING STREET, SUITE 700
ST. CATHARINES (ONTARIO) CANADA L2R 3H5
TEL.: 905-687-1771 | WWW.WSP.COM



EXISTING SITE CONDITIONS
AS OF JANUARY 2025

WEST CARLETON ENVIRONMENTAL CENTRE

DWN BY: TCG
CHK BY: COR

MARCH 2025
SCALE: AS SHOWN

WASTE MANAGEMENT OF CANADA CORPORATION

CA0033782.9434 - 2502C

DRAWING NO.

DRAWING
2502C

9.2 Topographic Map

A topographic map is included in Figure 3.

9.3 Figures

This appendix includes the following Figures:

- Figure 1: Phase One Study Area
- Figure 2: Phase One Property Historical Site Features
- Figure 3: Topographic Map, Areas of Natural Significance, Water Bodies, and Ground Water Information
- Figure 4: MECP Water Well Records
- Figure 5: Conceptual Site Model – Potentially Contaminating Activities (PCAs)
- Figure 6: Conceptual Site Model – Areas of Potential Environmental Concern (APECs)



LEGEND

- 2413-2415 Carp Road
- Phase One Boundary
- Phase One Study Area (250m)
- Carp River

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

CLIENT

PROJECT

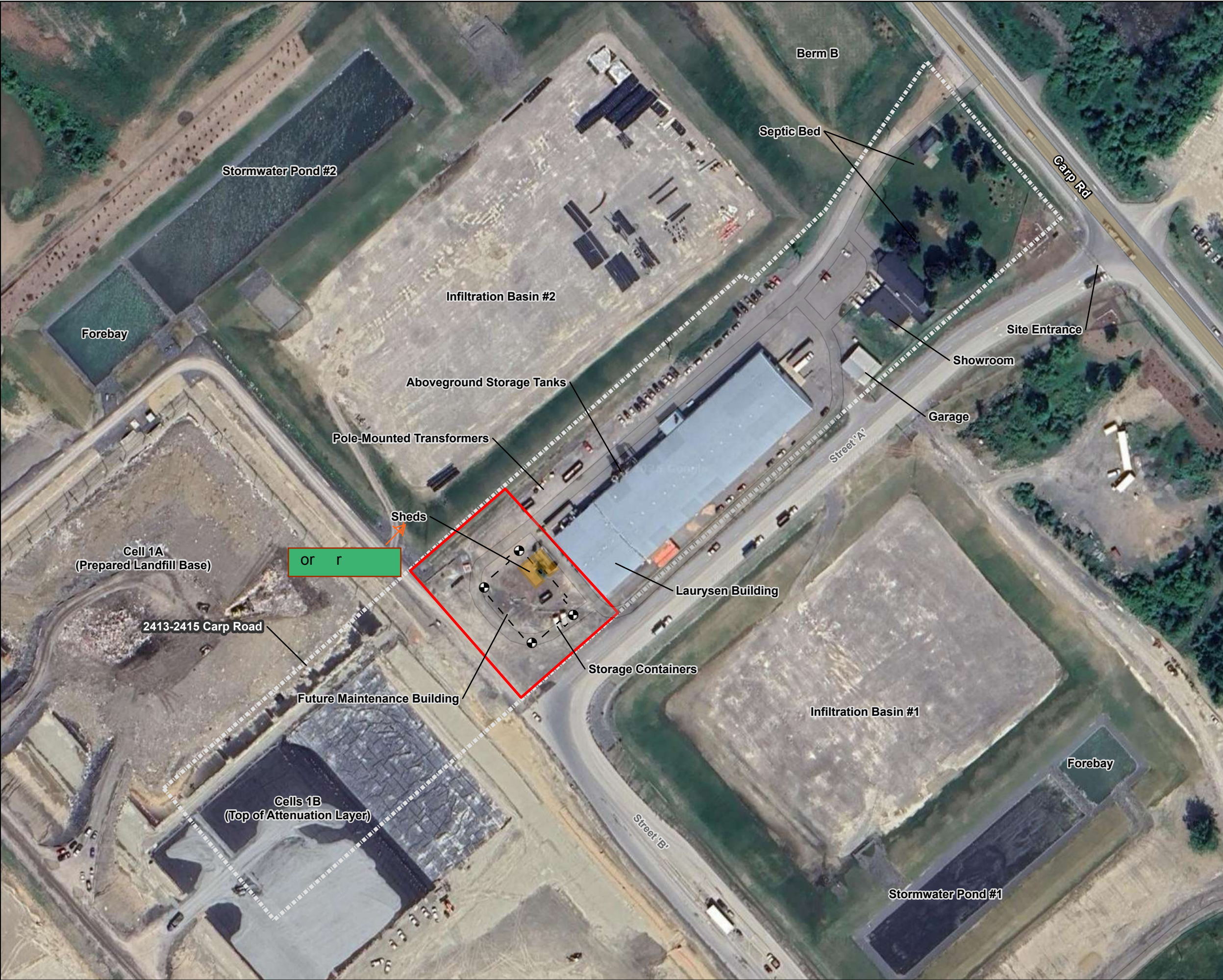
**Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa**

TITLE

Phase One Study Area

1682 Woodward Drive
Ottawa, ON K2C 3R8
TEL: (613) 839-3053
Email: info@blumetric.ca
Web: <http://www.blumetric.ca>

PROJECT # 250442		DATE July 17, 2025	
DRAWN MB	CHECKED AG	FIG NO. 01	REV 2



LEGEND

- Phase One Boundary
- 2413-2415 Carp Road Property Boundary
- Proposed Future Building
- Sheds
- Borehole Locations (WSP, 2025)

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

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PROJECT

**Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa**

TITLE

Phase One Property - Site Features



1682 Woodward Drive
Ottawa, ON K2C 3R8
TEL: (613) 839-3053
Email: info@blumetric.ca
Web: <http://www.blumetric.ca>

PROJECT #

250442

DATE

July 17, 2025

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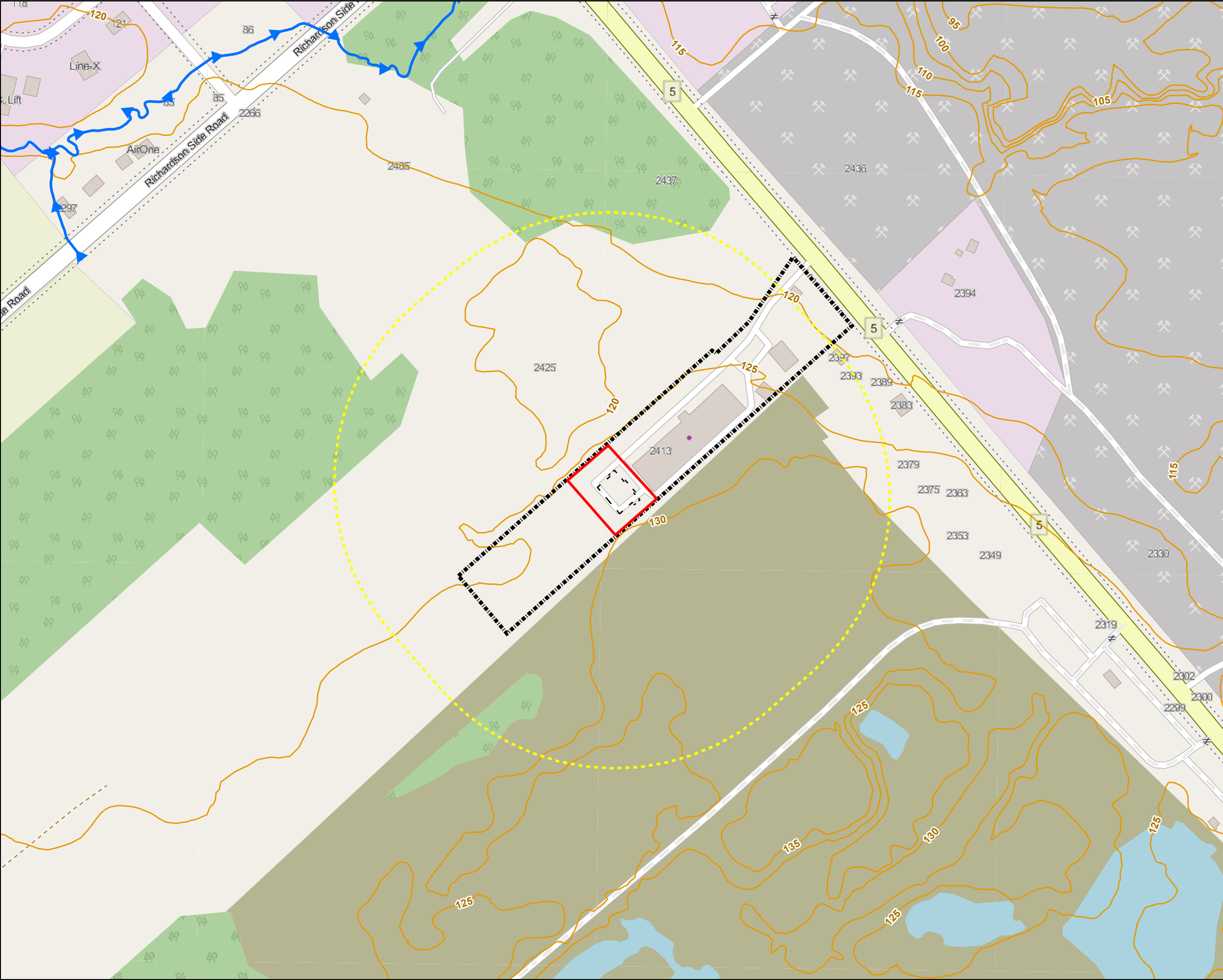
FIG NO.

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REV

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LEGEND

- 2413-2415 Carp Road Property Boundary
- Phase One Boundary
- Phase One Study Area (250m)
- Proposed Future Building
- Waterbodies
- Watercourse
- Topographic Contour (5m)

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

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CLIENT

PROJECT

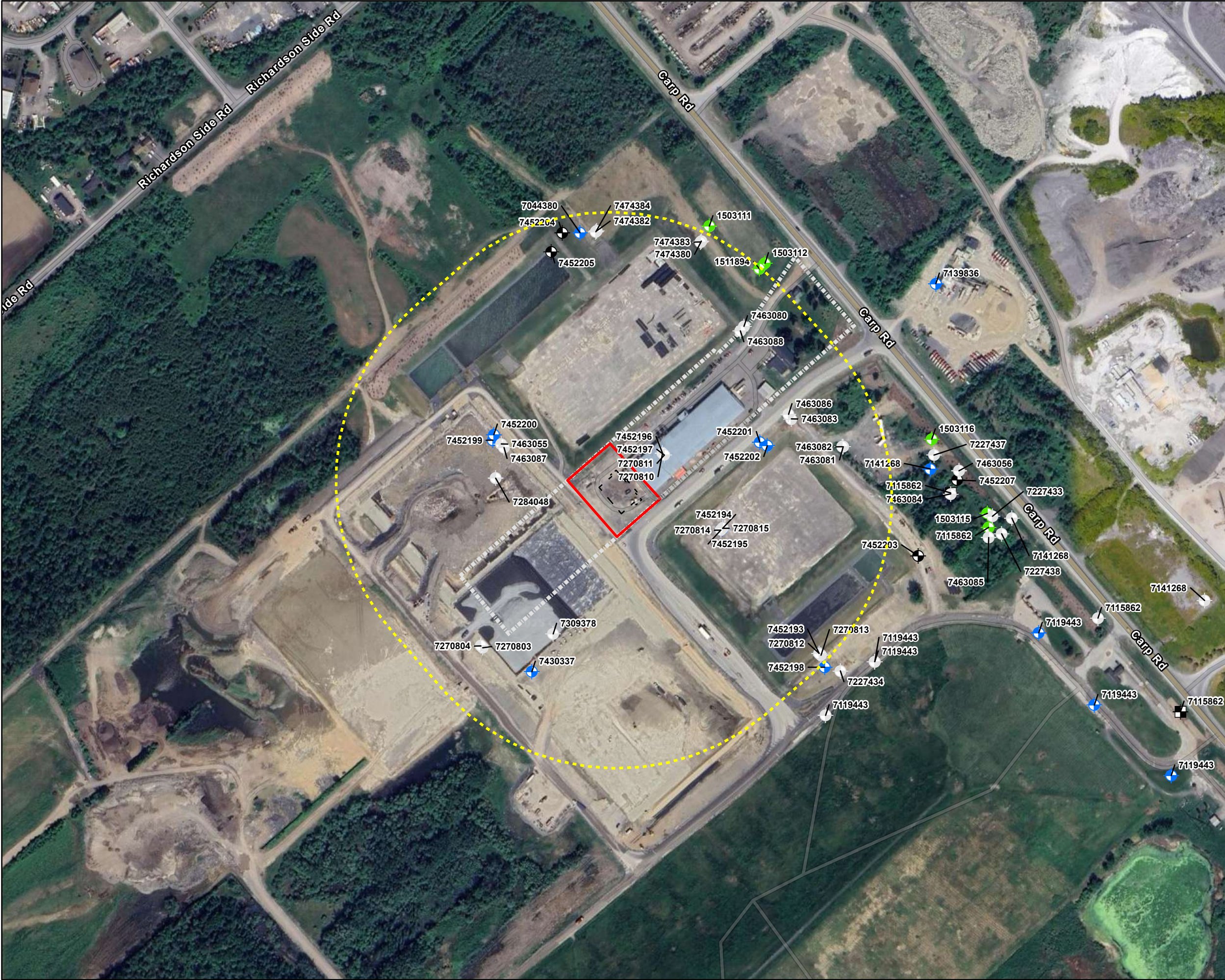
**Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa**

TITLE

Topographic Map, ANSIs, Water Bodies

1682 Woodward Drive
Ottawa, ON K2C 3R8
TEL: (613) 839-3053
Email: info@blumetric.ca
Web: <http://www.blumetric.ca>

PROJECT # 250442		DATE July 17, 2025	
DRAWN MB	CHECKED AG	FIG NO. 03	REV 0



LEGEND

- 2413-2415 Carp Road Property Boundary
- Phase One Boundary
- Phase One Study Area (250m)
- Proposed Future Building

Wells (WWIS - Status)

- Monitoring and Test Hole
- Observation Wells
- Test Hole
- Water Supply
- Abandoned / Other

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

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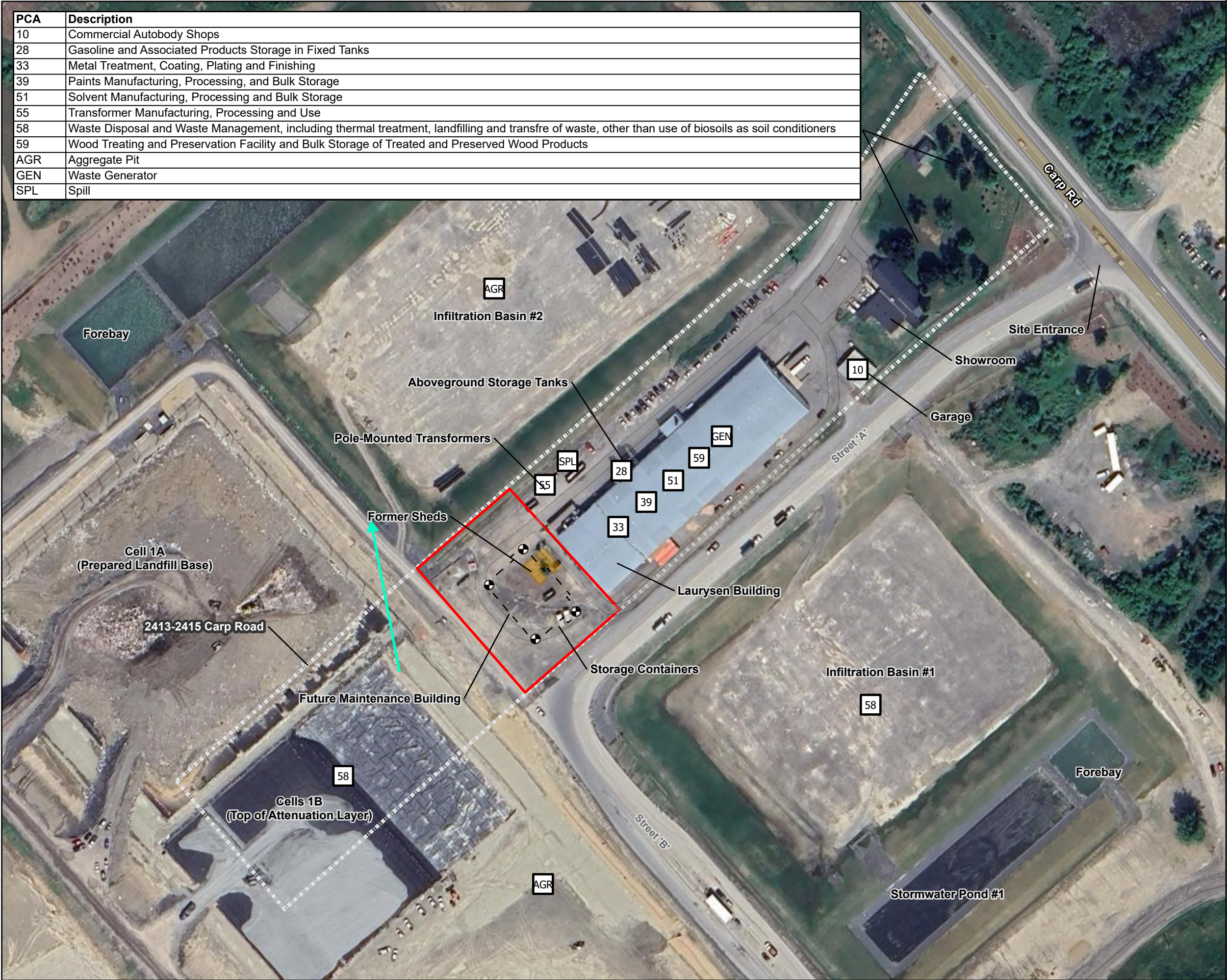
**Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa**

TITLE

MECP Well Records

1682 Woodward Drive
Ottawa, ON K2C 3R8
TEL: (613) 839-3053
Email: info@blumetric.ca
Web: <http://www.blumetric.ca>

PROJECT # 250442		DATE July 17, 2025	
DRAWN MB	CHECKED AG	FIG NO. 04	REV 0



PCA	Description
10	Commercial Autobody Shops
28	Gasoline and Associated Products Storage in Fixed Tanks
33	Metal Treatment, Coating, Plating and Finishing
39	Paints Manufacturing, Processing, and Bulk Storage
51	Solvent Manufacturing, Processing and Bulk Storage
55	Transformer Manufacturing, Processing and Use
58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfre of waste, other than use of biosoils as soil conditioners
59	Wood Treating and Preservation Facility and Bulk Storage of Treated and Preserved Wood Products
AGR	Aggregate Pit
GEN	Waste Generator
SPL	Spill

LEGEND

- Phase One Boundary
- 2413-2415 Carp Road Property Boundary
- Proposed Future Building
- Former Sheds
- Inferred Groundwater Flow Direction
- Borehole Locations (WSP, 2025)
- XX Potentially Contaminating Activities (PCAs)

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REFERENCES PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS. 0100Metres 1:1,800 N W E S				
CLIENT WM				
PROJECT Phase One Environmental Site Assessment 2413-2415 Carp Road, Ottawa				
TITLE Conceptual Site Model - Potentially Contaminating Activities				
BluMetric Environmental 1682 Woodward Drive Ottawa, ON K2C 3R8 TEL: (613) 839-3053 Email: info@blumetric.ca Web: http://www.blumetric.ca				
PROJECT # 250442		DATE August 08, 2025		
DRAWN MB	CHECKED AG	FIG NO. 05	REV 0	



LEGEND

- Phase One Boundary
- 2413-2415 Carp Road Property Boundary
- Proposed Future Building
- Former Sheds
- Inferred Groundwater Flow Direction
- +

 Borehole Locations (WSP, 2025)

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

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WM

PROJECT

Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa

TITLE

Conceptual Site Model -
Potentially Contaminating Activities

BluMetric

Environmental

1682 Woodward Drive

Ottawa, ON K2C 3R8

TEL: (613) 839-3053

Email: info@blumetric.ca

Web: <http://www.blumetric.ca>

PROJECT # 250442		DATE August 08, 2025	
DRAWN MB	CHECKED AG	FIG NO. 06	REV 0

9.4 Environmental Source Information

This appendix includes the following environmental source information:

- Land title information describing ownership of the Phase One Property;
- Previous environmental reports provided by the client;
- A report describing federal, provincial and private database records for the Phase One Property and Phase One Study Area conducted by Environmental Risk Information Services (ERIS);
- Freedom of Information requests and responses from the Ministry of the Environment, Conservation and Parks (MECP); and
- Correspondence with the Technical Standards and Safety Authority (TSSA).



Ministry
of the
Environment

Ministère
de
l'Environnement

AMENDED CERTIFICATE OF APPROVAL

AIR

NUMBER 7652-6MHJUJ

Issue Date: March 3, 2006

Ontario

Laurysen Kitchens Ltd.
PO Box 1235
Stittsville, Ontario
K2S 1B3

Site Location: 2415 Carp Road
Ottawa City, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) paint spray booth (Super-Fici) for the application of solvent based coatings at a maximum rate of 24 litres per hour, equipped with 3.23 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 4.1 actual cubic metres per second, through a stack, having an exit diameter of 0.36 metre, extending 6.2 metres above grade;
- one (1) paint spray booth (Devilbis, A-1) for the application of solvent based coatings at a maximum rate of 3.2 litres per hour, equipped with 3.86 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 3.68 actual cubic metres per second, through a stack, having an exit diameter of 0.56 metre, extending 10.97 metres above grade;
- one (1) paint spray booth (Besco, A-2) for the application of solvent based coatings at a maximum rate of 3.2 litres per hour, equipped with 3.74 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 5.14 actual cubic metres per second, through a stack, having an exit diameter of 0.56 metre, extending 10.97 metres above grade;
- one (1) paint spray booth (Besco, A-3) for the application of solvent based coatings at a maximum rate of 3.2 litres per hour, equipped with 3.57 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 2.97 actual cubic metres per second, through a stack, having an exit diameter of 0.58 metre, extending 10.97 metres above grade;
- one (1) paint spray booth (Devilbis, A-4) for the application of solvent based coatings at a maximum rate of 3.2 litres per hour, equipped with 4.78 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 3.73 actual cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 10.97 metres above grade;
- one (1) paint spray booth (Binks) for the application of solvent based coatings at a maximum rate of 3.2 litres per hour, equipped with 7.8 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 7.6 actual cubic metres per second, through a stack, having an exit diameter of 0.76 metre, extending 10.06 metres above grade;
- natural gas fired air make-up unit having a maximum thermal input of 2,716,769 kilojoules per hour, and natural gas fired heaters having a total maximum thermal input of 3,224,146 kilojoules per hour;

all in accordance with the Application for Approval (Air & Noise) dated July 15, 2005 and signed by Bill Laurysen, Vice President, Laurysen Kitchens Ltd., and all supporting information associated with the application including additional information provided by Robert Kingsbury, Lacombe Waste Services.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Act" means the *Environmental Protection Act*;

- (2) "Certificate" means this Certificate of Approval issued in accordance with the Act;
- (3) "District Manager" means the District Manager, Ottawa District Office, Eastern Region of the Ministry;
- (4) "Equipment" means the paint spray booths described in the Owner's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;
- (6) "Ministry" means the Ontario Ministry of the Environment; and
- (7) "Owner" means Lauryzen Kitchens Ltd., and includes its successors and assignees.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

- 1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.
- 2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

OPERATING AND MAINTENANCE

- 3. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:

- (1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - (b) emergency procedures;
 - (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - (d) the frequency of inspection and replacement of the filter material in the Equipment;
 - (e) procedures for recording and responding to environmental complaints; and
 - (f) appropriate measures to minimize odorous emissions from all potential sources.

- (2) implement the recommendations of the operating and maintenance Manual.

RECORD RETENTION

- 4. The Owner shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Certificate. These records as well as the Manual shall be made available to staff of the Ministry upon request. The Owner shall retain:

- (1) all records on the maintenance, repair and inspection of the Equipment; and

(2) all records on the environmental complaints, including:

- (a) a description, time and date of each incident;
- (b) operating conditions (e.g. the product name(s) being sprayed, any upset conditions, etc.) at the time of the incident; and
- (c) a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

5. The Owner shall notify the District Manager, in writing, of each environmental complaint and the measures taken to address the cause of the complaint within five (5) business days of the complaint.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition No. 3 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.
3. Condition No. 4 is included to require the Owner to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.
4. Condition No. 5 is included to require the Owner to notify staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 8-4157-87-006 issued on December 23, 1987

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 3rd day of March, 2006

Aziz Ahmed, P.Eng.
Director
Section 9, *Environmental Protection Act*

NH/
c: District Manager, MOE Ottawa District Office
Robert Kingsbury, Lacombe Waste Services



DATABASE REPORT

Project Property:	<i>Phase I ESA - 2415 Carp Road 2415 Carp Road Stittsville ON K2S 1B3</i>
Project No:	<i>PR03281</i>
Report Type:	<i>RSC Report - Quote</i>
Order No:	<i>25061200511</i>
Requested by:	<i>BluMetric Environmental Inc.</i>
Date Completed:	<i>June 17, 2025</i>

Environmental Risk Information Services

A division of Glacier Media Inc.

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Phase I ESA - 2415 Carp Road
2415 Carp Road Stittsville ON K2S 1B3*

Project No: *PR03281*

Order Information:

Order No: *25061200511*
Date Requested: *June 12, 2025*
Requested by: *BluMetric Environmental Inc.*
Report Type: *RSC Report - Quote*

Historical/Products:

Aerial Photographs *Aerials - National Collection*
City Directory Search *Smart CD Search*
ERIS Xplorer *[ERIS Xplorer](#)*
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*
Land Title Search *Historical Land Title Search*
Topographic Map *RSC Maps*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</i>	<i>Total</i>
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	2	2
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	2	2
CA	Certificates of Approval	Y	2	0	2
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	1	0	1
EBR	Environmental Registry	Y	3	3	6
ECA	Environmental Compliance Approval	Y	3	2	5
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	1	1
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	12	3	15
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
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	1	1
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	Y	1	0	1
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	2	2
PFAS	Ontario PFAS Spills	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
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	2	2
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	2	3	5
SPL	Ontario Spills	Y	1	2	3
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	1	1

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</i>	<i>Total</i>
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	28	30
Total:			27	54	81

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	SCT	Laurysen Kitchens Ltd	2415 Carp Rd SS 1 Stittsville ON K2S 1B9	SW/0.0	0.27	<u>28</u>
<u>1</u>	SCT	Laurysen Kitchens Ltd.	2415 Carp Rd RR 1 Stittsville ON K2S 1B9	SW/0.0	0.27	<u>28</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSTVILLE ON K2S 1B9	SW/0.0	0.27	<u>28</u>
<u>1</u>	EBR	Laurysen Kitchens Ltd.	2415 Carp Road Ottawa Ontario K2S 1B3 Ottawa ON	SW/0.0	0.27	<u>29</u>
<u>1</u>	EBR	Laurysen Kitchens Ltd.	2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA ON	SW/0.0	0.27	<u>29</u>
<u>1</u>	CA	Laurysen Kitchens Ltd.	2415 Carp Road Ottawa ON	SW/0.0	0.27	<u>30</u>
<u>1</u>	CA	Laurysen Kitchens Ltd.	2415 Carp Rd Ottawa ON	SW/0.0	0.27	<u>30</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSTVILLE ON	SW/0.0	0.27	<u>30</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON	SW/0.0	0.27	<u>31</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON	SW/0.0	0.27	<u>31</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B9	SW/0.0	0.27	<u>32</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON	SW/0.0	0.27	<u>33</u>
<u>1</u>	SPL		2415 Carp Rd., Carp Ottawa ON	SW/0.0	0.27	<u>33</u>
<u>1</u>	EBR	Laurysen Kitchens Ltd.	2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA ON	SW/0.0	0.27	<u>34</u>
<u>1</u>	ECA	Laurysen Kitchens Ltd.	2415 Carp Rd Ottawa ON K2S 1B3	SW/0.0	0.27	<u>34</u>
<u>1</u>	ECA	Laurysen Kitchens Ltd.	2415 Carp Rd Ottawa ON K2S 1B3	SW/0.0	0.27	<u>35</u>
<u>1</u>	ECA	Laurysen Kitchens Ltd.	2415 Carp Road Ottawa ON K2S 1B3	SW/0.0	0.27	<u>35</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	SW/0.0	0.27	<u>35</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	SW/0.0	0.27	<u>36</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	SW/0.0	0.27	<u>37</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	SW/0.0	0.27	<u>37</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	SW/0.0	0.27	<u>38</u>
<u>1</u>	EASR	LAURYSSEN KITCHENS LTD	2415 Carp RD Ottawa ON K2S 1B3	SW/0.0	0.27	<u>38</u>
<u>1</u>	GEN	LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	SW/0.0	0.27	<u>39</u>
<u>1</u>	NPR2	LAURYSSEN KITCHENS	2415 CARP ROAD STITTSVILLE ON K2S1B3	SW/0.0	0.27	<u>39</u>
<u>2</u>	WWIS		2301 CARP ROAD Ottawa ON Well ID: 7270810	SW/0.0	1.33	<u>77</u>
<u>3</u>	WWIS		2301 CARP ROAD Ottawa ON Well ID: 7270811	SW/0.0	1.33	<u>81</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>4</u>	PES	CAPITAL S.L.C. INC.	2397 CARP RD CARP ON K0A 1L0	ENE/0.7	-3.73	<u>84</u>
<u>4</u>	PES	CAPITAL S.L.C. INC.	2397 CARP RD CARP ON K0A1L0	ENE/0.7	-3.73	<u>84</u>
<u>5</u>	WWIS		lot 5 con 3 ON Well ID: 1503112	NNE/19.9	-4.73	<u>85</u>
<u>6</u>	BORE		ON	NNE/19.9	-4.73	<u>87</u>
<u>7</u>	WWIS		lot 5 con 3 ON Well ID: 1511894	NNE/20.7	-3.69	<u>88</u>
<u>8</u>	WWIS		2301 CARP ROAD lot 4 con 3 Ottawa ON Well ID: 7270815	S/60.5	4.33	<u>91</u>
<u>9</u>	WWIS		2301 CARP ROAD lot 4 con 3 Ottawa ON Well ID: 7270814	S/60.8	4.33	<u>95</u>
<u>10</u>	WWIS		2301 CARP RD lot 5 con 3 Ottawa ON Well ID: 7284048	WSW/83.8	0.94	<u>98</u>
<u>11</u>	WWIS		2394 CARP ROAD lot 4 con 2 CARP ON Well ID: 7139836	ENE/91.2	-6.91	<u>100</u>
<u>12</u>	WWIS		lot 5 con 3 ON Well ID: 1503111	N/91.6	-4.84	<u>105</u>
<u>13</u>	BORE		ON	N/91.6	-4.84	<u>108</u>
<u>14</u>	AGR	Campbell, Lyle W. & Catherine Faye	ON	W/97.1	-0.84	<u>109</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>15</u>	SCT	West Carleton Concrete Corporation	2394 Carp Rd RR 3 Carp ON K0A 1L0	ENE/100.8	-5.93	<u>109</u>
<u>15</u>	SCT	West Carleton Concrete Corp.	2394 Carp Rd RR 3 Carp ON K0A 1L0	ENE/100.8	-5.93	<u>110</u>
<u>15</u>	SCT	West Carleton Concrete	2394 Carp Rd RR 3 Carp ON K0A 1L0	ENE/100.8	-5.93	<u>110</u>
<u>15</u>	FSTH	WEST CARLETON CONCRETE	2394 CARP RD STITTSVILLE ON	ENE/100.8	-5.93	<u>110</u>
<u>15</u>	EBR	West Carleton Concrete Corporation	2394 Carp Rd Ottawa Ontario Ottawa ON	ENE/100.8	-5.93	<u>110</u>
<u>15</u>	GEN	West Carleton Concrete Corp.	2394 Carp Road Carp ON K0A 1L0	ENE/100.8	-5.93	<u>111</u>
<u>15</u>	FSTH	WEST CARLETON CONCRETE	2394 CARP RD STITTSVILLE ON	ENE/100.8	-5.93	<u>111</u>
<u>15</u>	EBR	West Carleton Concrete Corporation	2394 Carp Road Ottawa CITY OF OTTAWA ON	ENE/100.8	-5.93	<u>112</u>
<u>15</u>	GEN	West Carleton Concrete Corp.	2394 Carp Road Carp ON K0A 1L0	ENE/100.8	-5.93	<u>112</u>
<u>15</u>	ECA	West Carleton Concrete Corporation	2394 Carp Rd Ottawa ON	ENE/100.8	-5.93	<u>112</u>
<u>15</u>	FST	WEST CARLETON CONCRETE	2394 CARP RD STITTSVILLE ON	ENE/100.8	-5.93	<u>113</u>
<u>15</u>	ECA	West Carleton Concrete Corporation	2394 Carp Rd Ottawa ON K2E 7S3	ENE/100.8	-5.93	<u>113</u>
<u>15</u>	GEN	West Carleton Concrete	2394 Carp Rd Ottawa ON K0A 1L0	ENE/100.8	-5.93	<u>113</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>15</u>	SPL	West Carleton Concrete Corporation	2394 Carp Rd Ottawa ON K2S 1B9	ENE/100.8	-5.93	<u>114</u>
<u>16</u>	PTTW	West Carleton Sand & Gravel Inc.	Huntley Quarry 2328 Carp Road City of Ottawa CITY OF OTTAWA ON	ENE/106.4	-7.48	<u>115</u>
<u>16</u>	SPL	West Carleton Sand & Gravel Inc.	2328 Carp Road Ottawa ON K0A 1L0	ENE/106.4	-7.48	<u>116</u>
<u>16</u>	NCPL	West Carleton Sand & Gravel Inc.	2328 Carp Road Ottawa ON	ENE/106.4	-7.48	<u>116</u>
<u>16</u>	PTTW	Green Infrastructure Partners Inc.	2328 Carp Road Carp, ON Canada ON	ENE/106.4	-7.48	<u>117</u>
<u>17</u>	AGR	WASTE MANAGEMENT OF CANADA CORPORATION	ON	SSW/127.5	5.19	<u>117</u>
<u>18</u>	WWIS		lot 4 con 3 ON Well ID: 1503116	E/134.8	-1.71	<u>118</u>
<u>19</u>	WWIS		2301 CARP RD lot 4 con 3 OTTAWA ON Well ID: 7309378	SW/135.5	3.97	<u>120</u>
<u>20</u>	WWIS		2301 CARP ROAD lot 4 con 3 OTTAWA ON Well ID: 7227437	E/149.2	-1.71	<u>123</u>
<u>21</u>	WWIS		lot 5 con 2 ON Well ID: 1517778	NNE/150.7	-7.73	<u>130</u>
<u>22</u>	WWIS		lot 5 con 2 ON Well ID: 1517783	NNE/164.6	-8.59	<u>133</u>
<u>23</u>	WWIS		2425 CARP ROAD lot 5 con 3 ON Well ID: 7044380	NW/187.9	-3.84	<u>136</u>
<u>24</u>	WWIS		2301 CARP ROAD Ottawa ON	SW/200.0	3.19	<u>139</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7270803			
25	WWIS		2301 CARP ROAD lot 5 con 3 Ottawa ON Well ID: 7270804	SW/200.2	3.19	142
26	WWIS		2301 CARP ROAD OTTAWA ON Well ID: 7264069	SSW/200.7	6.14	145
27	WWIS		2301 CARP RD lot 4 con 3 Ottawa ON Well ID: 7284050	SSE/217.7	7.97	147
28	WWIS		2301 CARP ROAD lot 4 con 3 Ottawa ON Well ID: 7270812	SSE/230.7	8.27	149
29	WWIS		2301 CARP ROAD lot 4 con 3 Ottawa ON Well ID: 7270813	SSE/233.5	8.27	153
30	WWIS		lot 4 con 3 ON Well ID: 1503115	ESE/234.5	-1.12	156
31	WWIS		2301 CARP ROAD lot 4 con 3 OTTAWA ON Well ID: 7227433	ESE/240.3	-1.12	158
32	WWIS		lot 5 con 2 ON Well ID: 1517779	NNE/243.4	-8.97	164
33	EBR	2419787 Ontario Inc.	2355 Carp Road Ottawa, ON Canada ON	ESE/257.3	-2.73	166
33	WDS	2419787 ONTARIO INC.	2355 CARP RD CARP ON K0A 1L0	ESE/257.3	-2.73	167
34	WWIS		2301 CARP RD. lot 4 con 3 OTTAWA ON Well ID: 7227434	SSE/260.1	8.27	167
35	WWIS		2301 CARP ROAD lot 4 con 3 Ottawa ON Well ID: 7227438	ESE/261.3	-1.16	175
36	WWIS		2301 CARP RD Ottawa ON	SSE/272.3	8.51	177

<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>
			<i>Well ID:</i> 7284047			
<u>37</u>	WWIS		2301 CARP RD. lot 4 con 3 OTTAWA ON <i>Well ID:</i> 7227435	SSE/279.1	8.97	<u>180</u>
<u>38</u>	WWIS		2301 CARP ROAD lot 4 con 3 Ottawa ON <i>Well ID:</i> 7270809	WSW/285.8	1.97	<u>183</u>
<u>39</u>	WWIS		lot 5 con 3 ON <i>Well ID:</i> 7270808	WSW/285.9	1.97	<u>187</u>

Executive Summary: Summary By Data Source

AGR - Aggregate Inventory

A search of the AGR database, dated Up to Nov 2024 has found that there are 2 AGR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Campbell, Lyle W. & Catherine Faye	ON	97.1	<u>14</u>
WASTE MANAGEMENT OF CANADA CORPORATION	ON	127.5	<u>17</u>

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	19.9	<u>6</u>
	ON	91.6	<u>13</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Laurysen Kitchens Ltd.	2415 Carp Road Ottawa ON	0.0	<u>1</u>
Laurysen Kitchens Ltd.	2415 Carp Rd Ottawa ON	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011 - Apr 30, 2025 has found that there are 1 EASR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
LAURYSSEN KITCHENS LTD	2415 Carp RD Ottawa ON K2S 1B3	0.0	<u>1</u>

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Apr 30, 2025 has found that there are 6 EBR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Laurysen Kitchens Ltd.	2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA ON	0.0	<u>1</u>
Laurysen Kitchens Ltd.	2415 Carp Road Ottawa Ontario K2S 1B3 Ottawa ON	0.0	<u>1</u>
Laurysen Kitchens Ltd.	2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA ON	0.0	<u>1</u>
West Carleton Concrete Corporation	2394 Carp Road Ottawa CITY OF OTTAWA ON	100.8	<u>15</u>
West Carleton Concrete Corporation	2394 Carp Rd Ottawa Ontario Ottawa ON	100.8	<u>15</u>
2419787 Ontario Inc.	2355 Carp Road Ottawa, ON Canada ON	257.3	<u>33</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011 - Apr 30, 2025 has found that there are 5 ECA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Laurysen Kitchens Ltd.	2415 Carp Rd Ottawa ON K2S 1B3	0.0	<u>1</u>
Laurysen Kitchens Ltd.	2415 Carp Road Ottawa ON K2S 1B3	0.0	<u>1</u>
Laurysen Kitchens Ltd.	2415 Carp Rd Ottawa ON K2S 1B3	0.0	<u>1</u>
West Carleton Concrete Corporation	2394 Carp Rd Ottawa ON	100.8	<u>15</u>
West Carleton Concrete Corporation	2394 Carp Rd Ottawa ON K2E 7S3	100.8	<u>15</u>

FST - Fuel Storage Tank

A search of the FST database, dated Oct 2023 has found that there are 1 FST site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
WEST CARLETON CONCRETE	2394 CARP RD STITTSVILLE ON	100.8	<u>15</u>

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
WEST CARLETON CONCRETE	2394 CARP RD STITTSVILLE ON	100.8	<u>15</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
WEST CARLETON CONCRETE	2394 CARP RD STITTSVILLE ON	100.8	<u>15</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2024 has found that there are 15 GEN site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B9	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B9	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON	0.0	<u>1</u>
LAURYSSEN KITCHENS LIMITED	P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	0.0	<u>1</u>
West Carleton Concrete Corp.	2394 Carp Road Carp ON K0A 1L0	100.8	<u>15</u>
West Carleton Concrete Corp.	2394 Carp Road Carp ON K0A 1L0	100.8	<u>15</u>
West Carleton Concrete	2394 Carp Rd Ottawa ON K0A 1L0	100.8	<u>15</u>

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2023 has found that there are 1 NCPL site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
West Carleton Sand & Gravel Inc.	2328 Carp Road Ottawa ON	106.4	<u>16</u>

NPR2 - National Pollutant Release Inventory

A search of the NPR2 database, dated Feb 2024 has found that there are 1 NPR2 site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
LAURYSSEN KITCHENS	2415 CARP ROAD STITTSVILLE ON K2S1B3	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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PES - Pesticide Register

A search of the PES database, dated Oct 2011 - Apr 30, 2025 has found that there are 2 PES site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CAPITAL S.L.C. INC.	2397 CARP RD CARP ON K0A 1L0	0.7	<u>4</u>
CAPITAL S.L.C. INC.	2397 CARP RD CARP ON K0A1L0	0.7	<u>4</u>

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Apr 30, 2025 has found that there are 2 PTTW site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
West Carleton Sand & Gravel Inc.	Huntley Quarry 2328 Carp Road City of Ottawa CITY OF OTTAWA ON	106.4	<u>16</u>
Green Infrastructure Partners Inc.	2328 Carp Road Carp, ON Canada ON	106.4	<u>16</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 5 SCT site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Laurysen Kitchens Ltd	2415 Carp Rd SS 1 Stittsville ON K2S 1B9	0.0	<u>1</u>
Laurysen Kitchens Ltd.	2415 Carp Rd RR 1 Stittsville ON K2S 1B9	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
West Carleton Concrete Corporation	2394 Carp Rd RR 3 Carp ON K0A 1L0	100.8	<u>15</u>
West Carleton Concrete Corp.	2394 Carp Rd RR 3 Carp ON K0A 1L0	100.8	<u>15</u>
West Carleton Concrete	2394 Carp Rd RR 3 Carp ON K0A 1L0	100.8	<u>15</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug-Feb 2025 has found that there are 3 SPL site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2415 Carp Rd., Carp Ottawa ON	0.0	<u>1</u>
West Carleton Concrete Corporation	2394 Carp Rd Ottawa ON K2S 1B9	100.8	<u>15</u>
West Carleton Sand & Gravel Inc.	2328 Carp Road Ottawa ON K0A 1L0	106.4	<u>16</u>

WDS - Waste Disposal Sites - MOE CA Inventory

A search of the WDS database, dated Oct 2011 - Apr 30, 2025 has found that there are 1 WDS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2419787 ONTARIO INC.	2355 CARP RD CARP ON K0A 1L0	257.3	<u>33</u>

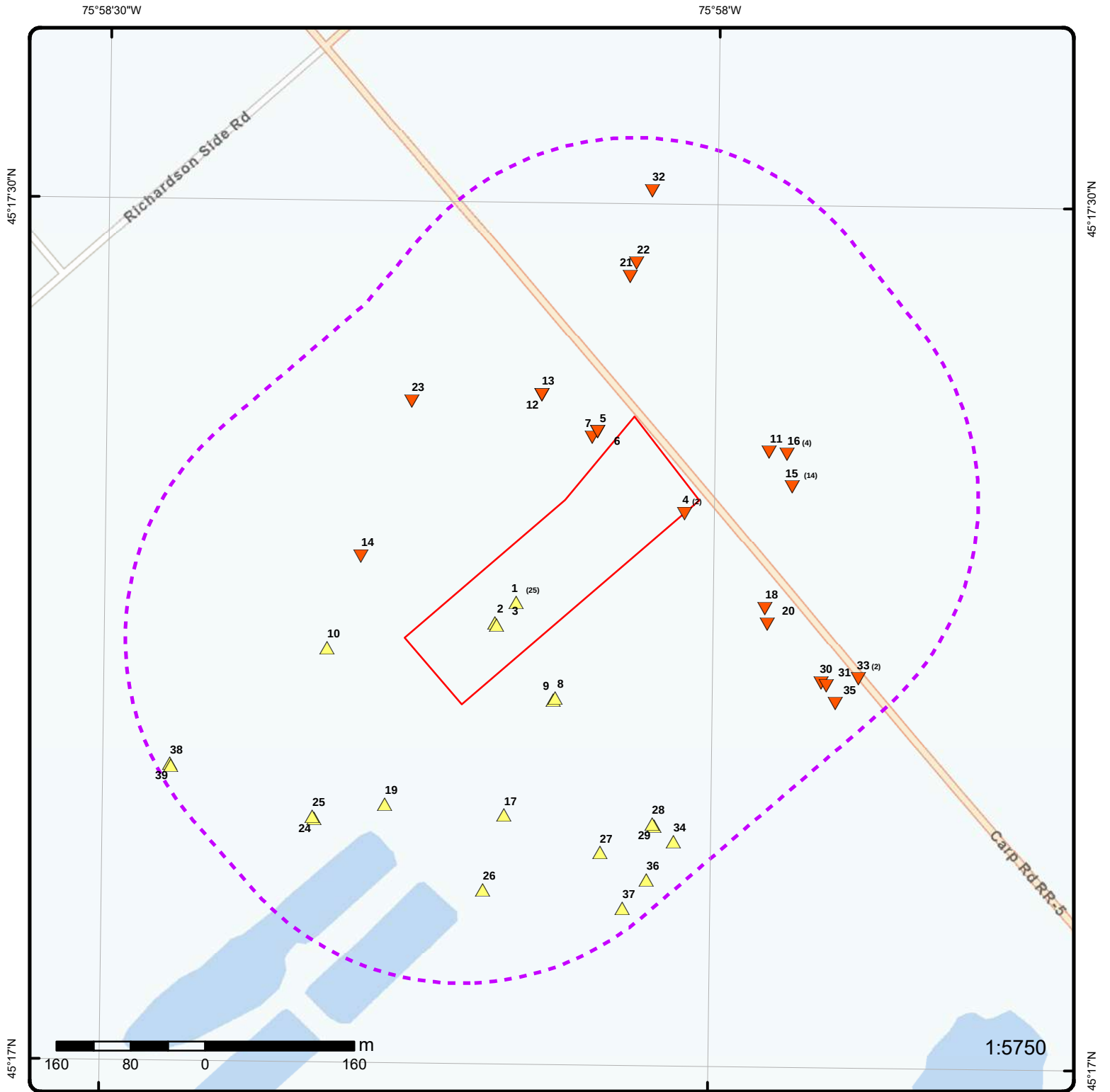
WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 30 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2301 CARP ROAD Ottawa ON <i>Well ID:</i> 7270810	0.0	<u>2</u>
	2301 CARP ROAD Ottawa ON <i>Well ID:</i> 7270811	0.0	<u>3</u>
	lot 5 con 3 ON <i>Well ID:</i> 1503112	19.9	<u>5</u>
	lot 5 con 3 ON <i>Well ID:</i> 1511894	20.7	<u>7</u>
	2301 CARP ROAD lot 4 con 3 Ottawa ON <i>Well ID:</i> 7270815	60.5	<u>8</u>
	2301 CARP ROAD lot 4 con 3 Ottawa ON <i>Well ID:</i> 7270814	60.8	<u>9</u>
	2301 CARP RD lot 5 con 3 Ottawa ON <i>Well ID:</i> 7284048	83.8	<u>10</u>
	2394 CARP ROAD lot 4 con 2 CARP ON <i>Well ID:</i> 7139836	91.2	<u>11</u>
	lot 5 con 3 ON <i>Well ID:</i> 1503111	91.6	<u>12</u>
	lot 4 con 3 ON <i>Well ID:</i> 1503116	134.8	<u>18</u>
	2301 CARP RD lot 4 con 3 OTTAWA ON	135.5	<u>19</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7309378		
	2301 CARP ROAD lot 4 con 3 OTTAWA ON	149.2	<u>20</u>
	<i>Well ID:</i> 7227437		
	lot 5 con 2 ON	150.7	<u>21</u>
	<i>Well ID:</i> 1517778		
	lot 5 con 2 ON	164.6	<u>22</u>
	<i>Well ID:</i> 1517783		
	2425 CARP ROAD lot 5 con 3 ON	187.9	<u>23</u>
	<i>Well ID:</i> 7044380		
	2301 CARP ROAD Ottawa ON	200.0	<u>24</u>
	<i>Well ID:</i> 7270803		
	2301 CARP ROAD lot 5 con 3 Ottawa ON	200.2	<u>25</u>
	<i>Well ID:</i> 7270804		
	2301 CARP ROAD OTTAWA ON	200.7	<u>26</u>
	<i>Well ID:</i> 7264069		
	2301 CARP RD lot 4 con 3 Ottawa ON	217.7	<u>27</u>
	<i>Well ID:</i> 7284050		
	2301 CARP ROAD lot 4 con 3 Ottawa ON	230.7	<u>28</u>
	<i>Well ID:</i> 7270812		
	2301 CARP ROAD lot 4 con 3 Ottawa ON	233.5	<u>29</u>
	<i>Well ID:</i> 7270813		
	lot 4 con 3 ON	234.5	<u>30</u>
	<i>Well ID:</i> 1503115		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2301 CARP ROAD lot 4 con 3 OTTAWA ON <i>Well ID: 7227433</i>	240.3	<u>31</u>
	lot 5 con 2 ON <i>Well ID: 1517779</i>	243.4	<u>32</u>
	2301 CARP RD. lot 4 con 3 OTTAWA ON <i>Well ID: 7227434</i>	260.1	<u>34</u>
	2301 CARP ROAD lot 4 con 3 Ottawa ON <i>Well ID: 7227438</i>	261.3	<u>35</u>
	2301 CARP RD Ottawa ON <i>Well ID: 7284047</i>	272.3	<u>36</u>
	2301 CARP RD. lot 4 con 3 OTTAWA ON <i>Well ID: 7227435</i>	279.1	<u>37</u>
	2301 CARP ROAD lot 4 con 3 Ottawa ON <i>Well ID: 7270809</i>	285.8	<u>38</u>
	lot 5 con 3 ON <i>Well ID: 7270808</i>	285.9	<u>39</u>



Map: 0.3 Kilometer Radius

Order Number: 25061200511

Address: 2415 Carp Road, Stittsville, 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	Parkt (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°58'30"W



Aerial Year: 2023

Order Number: 25061200511

Address: 2415 Carp Road, Stittsville, ON



Source: ESRI World Imagery

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75°58'30"W

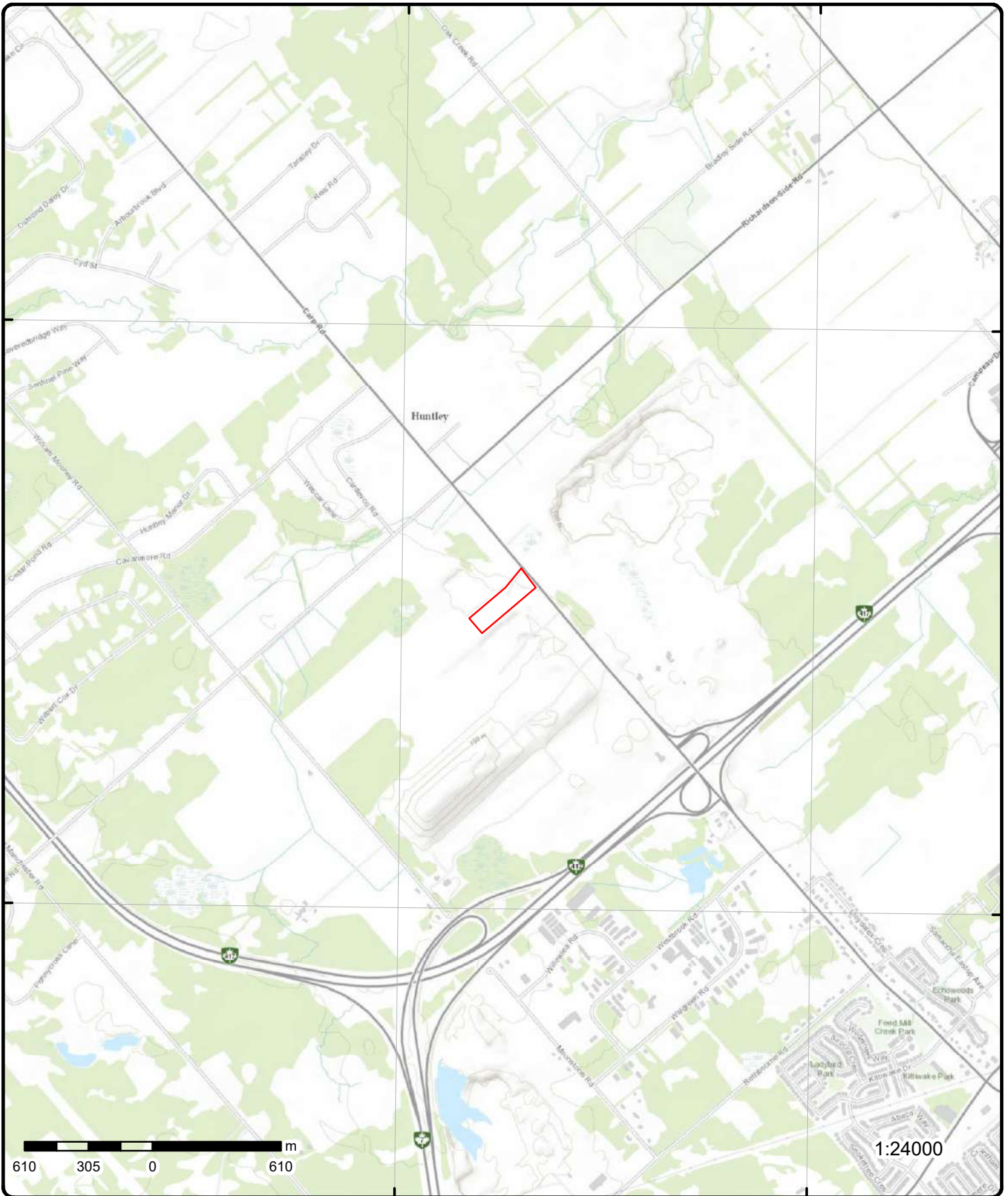
75°57'W

45°18'N

45°18'N

45°16'30"N

45°16'30"N



610 305 0 610 m

1:24000

Topographic Map

Address: 2415 Carp Road, ON

Source: ESRI World Topographic Map

Order Number: 25061200511



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd 2415 Carp Rd SS 1 Stittsville ON K2S 1B9	SCT
Established: 9/1/1970 Plant Size (ft²): 55000 Employment:					
--Details--					
Description:		Wood Office Furniture, including Custom Architectural Woodwork, Manufacturing			
SIC/NAICS Code:		337213			
Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
SIC/NAICS Code:		337110			
Description:		Wood Window and Door Manufacturing			
SIC/NAICS Code:		321911			
Description:		Other Millwork			
SIC/NAICS Code:		321919			
Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
SIC/NAICS Code:		337110			
<u>1</u>	2 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Rd RR 1 Stittsville ON K2S 1B9	SCT
Established: 01-JUL-70 Plant Size (ft²): 55000 Employment:					
--Details--					
Description:		Wood Office Furniture, including Custom Architectural Woodwork, Manufacturing			
SIC/NAICS Code:		337213			
Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
SIC/NAICS Code:		337110			
Description:		Wood Window and Door Manufacturing			
SIC/NAICS Code:		321911			
Description:		Other Millwork			
SIC/NAICS Code:		321919			
Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
SIC/NAICS Code:		337110			
<u>1</u>	3 of 25	SW/0.0	122.9 / 0.27	LAURYSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
STITTSVILLE ON K2S 1B9					
<u>Generator Info</u>					
Generator No:	ON1569500			Choice of Contact:	
Approval Years:	02,03,04,05,06,07,08			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:					
<u>Waste Detail(s)</u>					
Waste Class:	212				
Waste Class Name:	ALIPHATIC SOLVENTS				
<u>Waste Detail(s)</u>					
Waste Class:	145				
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES				
<u>1</u>	4 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Road Ottawa Ontario K2S 1B3 Ottawa ON	EBR
EBR Registry No:	IA05E1115			Decision Posted:	
Ministry Ref No:	1282-6EFPNR			Exception Posted:	
Notice Type:	Instrument Decision			Section:	
Notice Stage:				Act 1:	
Notice Date:	March 10, 2006			Act 2:	
Proposal Date:	July 21, 2005			Site Location Map:	
Year:	2005				
Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)				
Off Instrument Name:					
Posted By:					
Company Name:	Laurysen Kitchens Ltd.				
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:	PO Box 1235, Stittsville Ontario, K2S 1B3				
Comment Period:					
URL:					
Summary:					
Site Location Details:					
2415 Carp Road Ottawa Ontario K2S 1B3 Ottawa					
<u>1</u>	5 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA ON	EBR
EBR Registry No:	010-8568			Decision Posted:	
Ministry Ref No:	6855-7YCRD3			Exception Posted:	
Notice Type:	Instrument Decision			Section:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Notice Stage: Notice Date: December 29, 2010 Proposal Date: December 10, 2009 Year: 2009 Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) Off Instrument Name: Posted By: Company Name: Laurysen Kitchens Ltd. Site Address: Location Other: Proponent Name: Proponent Address: 2415 Carp Road, Ottawa Ontario, Canada K2S 1B3 Comment Period: URL: Summary: Site Location Details: 2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA					
1	6 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Road Ottawa ON	CA
Certificate #: 7652-6MHJUU Application Year: 2006 Issue Date: 3/3/2006 Approval Type: Air Status: Revoked and/or Replaced Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
1	7 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Rd Ottawa ON	CA
Certificate #: 7803-8AVKKP Application Year: 2010 Issue Date: 12/22/2010 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
1	8 of 25	SW/0.0	122.9 / 0.27	LAURYSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Generator Info</u>					
Generator No:	ON1569500			Choice of Contact:	
Approval Years:	2009			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	337110
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>1</u>	9 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON	GEN
<u>Generator Info</u>					
Generator No:	ON1569500			Choice of Contact:	
Approval Years:	2010			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	337110
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>1</u>	10 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Generator Info</u>					
Generator No:	ON1569500			Choice of Contact:	
Approval Years:	2011			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	337110
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
1	11 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B9	GEN
<u>Generator Info</u>					
Generator No:	ON1569500			Choice of Contact:	
Approval Years:	2012			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	337110
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	12 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSTVILLE ON	GEN
<u>Generator Info</u>					
Generator No:	ON1569500			Choice of Contact:	
Approval Years:	2013			Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	337110
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:		WOOD KITCHEN CABINET AND COUNTER TOP MANUFACTURING			
<u>Waste Detail(s)</u>					
Waste Class:	212				
Waste Class Name:	ALIPHATIC SOLVENTS				
<u>Waste Detail(s)</u>					
Waste Class:	251				
Waste Class Name:	OIL SKIMMINGS & SLUDGES				
<u>Waste Detail(s)</u>					
Waste Class:	211				
Waste Class Name:	AROMATIC SOLVENTS				
<u>Waste Detail(s)</u>					
Waste Class:	145				
Waste Class Name:	PAINT/PIGMENT/COATING RESIDUES				

1	13 of 25	SW/0.0	122.9 / 0.27	2415 Carp Rd., Carp Ottawa ON	SPL
Ref No:	0757-9TPSM2			Municipality No:	
Year:				Nature of Damage:	
Incident Dt:	2/13/2015			Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:	2/13/2015			Impact to Health:	
Dt Document Closed:				Agency Involved:	
Site No:	NA				
MOE Response:	N				
Site County/District:					
Site Geo Ref Meth:					
Site District Office:					
Nearest Watercourse:					
Site Name:	Commercial Site<UNOFFICIAL>				
Site Address:	2415 Carp Rd., Carp				
Site Region:					
Site Municipality:	Ottawa				
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northings:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Easting: Entity Operating Name: Client Name: Client Type: Source Type: Incident Cause: Collision/Accident Incident Preceding Spill: Incident Reason: Operator/Human Error Incident Summary: Hydro One - 77L mineral oil (pcb suspect) to ground, cntd Environment Impact: Health Env Consequence: Nature of Impact: Land Contaminant Qty: 77 L Contaminant Qty 1: 77 Contaminant Unit: L Contaminant Code: 13 Contaminant Name: MINERAL OIL Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: SAC Action Class: Land Spills Call Report Locatn Geodata: Time Reported: System Facility Address:					
<u>1</u>	14 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA ON	EBR
EBR Registry No: 012-5823 Ministry Ref No: 9869-9ZQQBU Notice Type: Instrument Decision Notice Stage: Notice Date: July 21, 2016 Proposal Date: November 20, 2015 Year: 2015 Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air) Off Instrument Name: Posted By: Company Name: Laurysen Kitchens Ltd. Site Address: Location Other: Proponent Name: Proponent Address: 2415 Carp Road, Stittsville Ontario, Canada K2S 1B3 Comment Period: URL: Summary: Site Location Details: 2415 Carp Road Ottawa K2S 1B3 CITY OF OTTAWA					
<u>1</u>	15 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Rd Ottawa ON K2S 1B3	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval No: 9636-AAZQBx Approval Date: 2016-07-14 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-AIR Project Type: AIR Business Name: Laurysen Kitchens Ltd. Address: 2415 Carp Rd Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9869-9ZQQBU-14.pdf PDF Site Location:					
1	16 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Rd Ottawa ON K2S 1B3	ECA
Approval No: 7803-8AVKKP Approval Date: 2010-12-22 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-AIR Project Type: AIR Business Name: Laurysen Kitchens Ltd. Address: 2415 Carp Rd Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6855-7YCRD3-14.pdf PDF Site Location:					
1	17 of 25	SW/0.0	122.9 / 0.27	Laurysen Kitchens Ltd. 2415 Carp Road Ottawa ON K2S 1B3	ECA
Approval No: 7652-6MHJUJ Approval Date: 2006-03-03 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-AIR Project Type: AIR Business Name: Laurysen Kitchens Ltd. Address: 2415 Carp Road Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1282-6EFPNR-14.pdf PDF Site Location:					
1	18 of 25	SW/0.0	122.9 / 0.27	LAURYSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	GEN
Generator Info Generator No: ON1569500 Choice of Contact: CO_ADMIN					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years:	2016			Contaminated Fac:	No
Status:				MHSW Facility:	No
PO Box No:				SIC Code:	337110
Country:	Canada				
Co Admin:		Jim Gorman			
Phone No Admin:		613-836-5353 Ext.305			
SIC Description:		WOOD KITCHEN CABINET AND COUNTER TOP MANUFACTURING			
 <u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
 <u>Waste Detail(s)</u>					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
 <u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
 <u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			

<u>1</u>	19 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	GEN
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Generator Info

Generator No:	ON1569500	Choice of Contact:	CO_ADMIN
Approval Years:	2015	Contaminated Fac:	No
Status:		MHSW Facility:	No
PO Box No:		SIC Code:	337110
Country:	Canada		
Co Admin:	Jim Gorman		
Phone No Admin:	613-836-5353 Ext.305		
SIC Description:	WOOD KITCHEN CABINET AND COUNTER TOP MANUFACTURING		

Waste Detail(s)

Waste Class:	212
Waste Class Name:	ALIPHATIC SOLVENTS

Waste Detail(s)

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

Waste Detail(s)

Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
1	20 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	GEN
<u>Generator Info</u>					
Generator No:		ON1569500		Choice of Contact:	CO_ADMIN
Approval Years:		2014		Contaminated Fac:	No
Status:				MHSW Facility:	No
PO Box No:				SIC Code:	337110
Country:		Canada			
Co Admin:		Jim Gorman			
Phone No Admin:		613-836-5353 Ext.305			
SIC Description:		WOOD KITCHEN CABINET AND COUNTER TOP MANUFACTURING			
<u>Waste Detail(s)</u>					
Waste Class:		211			
Waste Class Name:		AROMATIC SOLVENTS			
<u>Waste Detail(s)</u>					
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
<u>Waste Detail(s)</u>					
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
<u>Waste Detail(s)</u>					
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
1	21 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	GEN
<u>Generator Info</u>					
Generator No:		ON1569500		Choice of Contact:	
Approval Years:		As of Dec 2018		Contaminated Fac:	
Status:		Registered		MHSW Facility:	
PO Box No:				SIC Code:	
Country:		Canada			
Co Admin:					
Phone No Admin:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Waste Detail(s)</u>					
Waste Class:		145 H			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
<u>Waste Detail(s)</u>					
Waste Class:		145 I			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
<u>Waste Detail(s)</u>					
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
<u>1</u>	22 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSVILLE ON K2S 1B3	GEN
<u>Generator Info</u>					
Generator No:	ON1569500			Choice of Contact:	
Approval Years:	As of Jul 2020			Contaminated Fac:	
Status:	Registered			MHSW Facility:	
PO Box No:				SIC Code:	
Country:	Canada				
Co Admin:					
Phone No Admin:					
SIC Description:					
<u>Waste Detail(s)</u>					
Waste Class:		145 H			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
<u>Waste Detail(s)</u>					
Waste Class:		251 L			
Waste Class Name:		Waste oils/sludges (petroleum based)			
<u>Waste Detail(s)</u>					
Waste Class:		145 I			
Waste Class Name:		Wastes from the use of pigments, coatings and paints			
<u>1</u>	23 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LTD 2415 Carp RD Ottawa ON K2S 1B3	EASR
Approval No:	R-010-1112770411			MOE District:	Ottawa
Status:	REGISTERED			Municipality:	Ottawa
Date:	2021-01-04			Latitude:	45.28833333
Record Type:	EASR			Longitude:	-75.96888889
Link Source:	MOFA			Geometry X:	
Project Type:	Air Emissions			Geometry Y:	
Full Address:					
Approval Type:	EASR-Air Emissions				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SWP Area Name: PDF NAICS Code: PDF URL: PDF Site Location:		Mississippi Valley 337110			

1	24 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS LIMITED P.O. 1235 2415 CARP ROAD STITTSTVILLE ON K2S 1B3	GEN
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Generator Info

Generator No:	ON1569500	Choice of Contact:
Approval Years:	As of Nov 2021	Contaminated Fac:
Status:	Registered	MHSW Facility:
PO Box No:		SIC Code:
Country:	Canada	
Co Admin:		
Phone No Admin:		
SIC Description:		

Waste Detail(s)

Waste Class:	251 L
Waste Class Name:	Waste oils/sludges (petroleum based)

Waste Detail(s)

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

Waste Detail(s)

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

1	25 of 25	SW/0.0	122.9 / 0.27	LAURYSSEN KITCHENS 2415 CARP ROAD STITTSTVILLE ON K2S1B3	NPR2
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NPRI ID:	11159	Latitude:	45.2877
Facility ID:	248103;283303;418424;431762;443531	Longitude:	-75.9694
Facility Name:	LAURYSSEN KITCHENS		
Note:	Substances included on NPRI reports for this NPRI ID are summarized below in the NPRI ID Substances Summary section. Substances listed in the Substances Summary are included on the basis of NPRI ID only. For entities (NPRI ID) with mobile plants and/or more than one facility location, substances listed above may or may not have been reported for specific facilities/mobile locations. The list of substances additionally includes those which have been included on the NPRI report with an unknown quantity or a quantity of 0.		
	For specific details about substance quantities, years, release/transfer/disposal methods, the reader is referred the facility report:		
	https://pollution-waste.canada.ca/national-release-inventory/?fromYear=1993&toYear=2023&name=11159		

NPRI ID Substances Summary

CAS No:	630-08-0	Is PAH?:	FALSE
Is VOC?:	FALSE	NPRI:	TRUE
Is DF?:	FALSE		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Name English: Name French: Sort English: Sort French:		Carbon monoxide Monoxyde de carbone Carbon monoxide Oxyde de carbone (monoxyde de carbone)			
CAS No: Is VOC?: Is DF?: Name English: Name French: Sort English: Sort French:	NA - M09 FALSE FALSE PM10 - Particulate Matter <= 10 Micrometers PM10 - Matière particulaire <= 10 micromètres PM10 - Particulate Matter <= 10 Micrometers PM10 - Matière particulaire <= 10 micromètres			Is PAH?: NPRI:	FALSE TRUE
CAS No: Is VOC?: Is DF?: Name English: Name French: Sort English: Sort French:	1330-20-7 TRUE FALSE Xylene (all isomers) Xylène (tous les isomères) Xylene (all isomers) Xylène (tous les isomères)			Is PAH?: NPRI:	FALSE TRUE
CAS No: Is VOC?: Is DF?: Name English: Name French: Sort English: Sort French:	108-88-3 TRUE FALSE Toluene Toluène Toluene Toluène			Is PAH?: NPRI:	FALSE TRUE
CAS No: Is VOC?: Is DF?: Name English: Name French: Sort English: Sort French:	NA - M10 FALSE FALSE PM2.5 - Particulate Matter <= 2.5 Micrometers PM2,5 - Matière particulaire <= 2,5 micromètres PM2.5 - Particulate Matter <= 2.5 Micrometers PM2,5 - Matière particulaire <= 2,5 micromètres			Is PAH?: NPRI:	FALSE TRUE
CAS No: Is VOC?: Is DF?: Name English: Name French: Sort English: Sort French:				Is PAH?: NPRI:	
CAS No: Is VOC?: Is DF?: Name English: Name French: Sort English: Sort French:	7446-09-5 FALSE FALSE Sulphur dioxide Dioxyde de soufre Sulphur dioxide Dioxyde de soufre			Is PAH?: NPRI:	FALSE TRUE
CAS No: Is VOC?: Is DF?: Name English: Name French: Sort English: Sort French:	67-56-1 TRUE FALSE Methanol Méthanol Methanol Méthanol			Is PAH?: NPRI:	FALSE TRUE
CAS No: Is VOC?: Is DF?: Name English: Name French:	67-63-0 TRUE FALSE Isopropyl alcohol Alcool isopropylique			Is PAH?: NPRI:	FALSE TRUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sort English:		Isopropyl alcohol			
Sort French:		Alcool iso-propylique			
CAS No:	NA - M16			Is PAH?:	FALSE
Is VOC?:	TRUE			NPRI:	TRUE
Is DF?:	FALSE				
Name English:	Volatile Organic Compounds (VOCs)				
Name French:	Composés organiques volatils (COV)				
Sort English:	Volatile Organic Compounds (VOCs)				
Sort French:	Composés organiques volatils (COV)				
<u>Geographic Location</u>					
Report Year:	-1			Forward Sort Area:	K2S
Census Subdiv ID:	3506008			DLS Description:	
Ecozone ID:	8			NTS Description:	C-048-D/031-G-5
Water Survey ID:	2			Province Code:	ON
SOMA:	TRUE			Datum:	1983.0
ON PEMA:	TRUE			Latitude:	45.2877
QC PEMA:	FALSE			Longitude:	-75.9694
Quebec Windsor	TRUE				
Corr:					
<u>NPRI ID Facility ID</u>					
NPRI ID:	11159				
Facility ID:	418424				
<u>Facility</u>					
Facility ID:	418424			IDM ID:	12374
Portable:	FALSE			AB Approval ID:	0
NAICS Primary:	337110			GHGRP ID:	0
NAICS Secondary:	0			ON GHGRP ID:	
NAICS Tertiary:	0				
Facility Name:	LAURYSSEN KITCHENS				
Website:					
<u>Address</u>					
Address1:	2415 Carp Road				
Address2:					
City:	STITTSVILLE				
Postal Zip:	K2S 1B3				
Prov:					
<u>Address Geographic</u>					
Latitude:	45.28770			Datum:	1983
Longitude:	-75.96940			Land Survey:	
UTM Easting:	0.000000			Topograph:	
UTM Northing:	0.000000			Additional Info:	
UTM Zone:	0				
<u>Primary NAICS Details</u>					
NAICS Code:	337110			Start Date:	1993
Record Year:	1997			End Date:	2001
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2012
Record Year:	2012			End Date:	2016
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2017
Record Year:	2017			End Date:	2021
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2022
Record Year:	2022			End Date:	2026
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.

NAICS Code:	337110	Start Date:	2002
Record Year:	2002	End Date:	2006
Key Indus Sector En:	Other Manufacturing		
Key Indus Sector Fr:	Autres fabrication		
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing		
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois		

NAICS Description En:

This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.

NAICS Description Fr:

Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.

NAICS Code:	337110	Start Date:	2007
Record Year:	2007	End Date:	2011
Key Indus Sector En:	Other Manufacturing		
Key Indus Sector Fr:	Autres fabrication		
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing		
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois		

NAICS Description En:

This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.

NAICS Description Fr:

Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.

NPRI Report

Report ID:	312097	No of Employees:	134
Report Year:	2020	Is Compressor:	
Company ID:	171032	Is NPRI Part 4:	
SWR Report ID:	4593	Is Battery:	
Repor Type ID:	8	Corres Lang ID:	1
New Reporter:	FALSE	Submit Date:	2021-08-18 10:59:32.3361305

Company

Company Name:	Lauryzen Kitchens Ltd.
DUNS No:	207475369
Trade Name En:	
Trade Name Fr:	
Website:	

NPRI Report Contact

Contact Type:		Phone:	613-836-5353
First Name:	Michael	Extension:	1235

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:					
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:	NPRI			Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:	Public Contact				
Description Fr:	Responsable des renseignements au public				
Position:					
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:					
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:					
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:					
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	905-415-6351
First Name:	Boris			Extension:	
Last Name:	Chen			Fax:	
Company Name:	Stantec Consulting Ltd.				
Description En:					
Description Fr:					
Position:					
Language:	1				
Email:	boris.chen@stantec.com				
 <u>NPRI ID Facility ID</u>					
NPRI ID:	11159				
Facility ID:	431762				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Facility</u>					
Facility ID:	431762			IDM ID:	12374
Portable:	FALSE			AB Approval ID:	
NAICS Primary:	337110			GHGRP ID:	
NAICS Secondary:	0			ON GHGRP ID:	
NAICS Tertiary:	0				
Facility Name:	LAURYSSEN KITCHENS				
Website:					
<u>Address</u>					
Address1:					
Address2:					
City:	Stittsville				
Postal Zip:	K2S 1B3				
Prov:					
<u>Address Geographic</u>					
Latitude:	45.287700			Datum:	1983
Longitude:	-75.969400			Land Survey:	
UTM Easting:	0.000000			Topograph:	
UTM Northing:	0.000000			Additional Info:	
UTM Zone:	0				
<u>Primary NAICS Details</u>					
NAICS Code:	337110			Start Date:	1993
Record Year:	1997			End Date:	2001
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:					
NAICS Code:	337110			Start Date:	2002
Record Year:	2002			End Date:	2006
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Code:	337110			Start Date:	2007
Record Year:	2007			End Date:	2011
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2012
Record Year:	2012			End Date:	2016
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2017
Record Year:	2017			End Date:	2021
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2022
Record Year:	2022			End Date:	2026
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NPRI Report					
Report ID:	325666			No of Employees:	135
Report Year:	2021			Is Compressor:	
Company ID:	174419			Is NPRI Part 4:	
SWR Report ID:	13126			Is Battery:	
Repor Type ID:	8			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2022-05-12 14:51:21.1112018
Company					
Company Name:	Laurysen Kitchens Ltd.				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					
NPRI Report Contact					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:	Production Manager				
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
NPRI Report Contact					
Contact Type:	NPRI			Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:	Public Contact				
Description Fr:	Responsable des renseignements au public				
Position:	Production Manager				
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
NPRI Report Contact					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:	Production Manager				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Language:		1			
Email:		mlaurysen@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	905-415-6351
First Name:	Boris			Extension:	
Last Name:	Chen			Fax:	
Company Name:		Stantec Consulting Ltd.			
Description En:					
Description Fr:					
Position:		Project Manager			
Language:		1			
Email:		boris.chen@stantec.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Production Manager			
Language:		1			
Email:		mlaurysen@laurysenkitchens.com			
<u>NPRI ID Facility ID</u>					
NPRI ID:		11159			
Facility ID:		443531			
<u>Facility</u>					
Facility ID:	443531			IDM ID:	12374
Portable:	FALSE			AB Approval ID:	0
NAICS Primary:	337110			GHGRP ID:	0
NAICS Secondary:				ON GHGRP ID:	
NAICS Tertiary:					
Facility Name:		LAURYSEN KITCHENS			
Website:					
<u>Address</u>					
Address1:		2415 Carp Road			
Address2:					
City:		Stittsville			
Postal Zip:		K2S 1B3			
Prov:					
<u>Address Geographic</u>					
Latitude:	45.287700			Datum:	1983
Longitude:	-75.969400			Land Survey:	
UTM Easting:	0.000000			Topograph:	
UTM Northing:	0.000000			Additional Info:	
UTM Zone:	0				
<u>Primary NAICS Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Code:	337110			Start Date:	1993
Record Year:	1997			End Date:	2001
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood Kitchen Cabinet and Counter Top Manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2002
Record Year:	2002			End Date:	2006
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood Kitchen Cabinet and Counter Top Manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2007
Record Year:	2007			End Date:	2011
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood Kitchen Cabinet and Counter Top Manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2012
Record Year:	2012			End Date:	2016
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood kitchen cabinet and counter top manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
NAICS Description En:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2017
Record Year:	2017			End Date:	2021
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2022
Record Year:	2022			End Date:	2026
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NPRI Report					
Report ID:	337132			No of Employees:	126
Report Year:	2022			Is Compressor:	
Company ID:	178377			Is NPRI Part 4:	
SWR Report ID:	28034			Is Battery:	
Repor Type ID:	8			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2023-04-25 07:34:36.6397604
Company					
Company Name:	Laurysen Kitchens Ltd.				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	905-415-6351
First Name:	Boris			Extension:	
Last Name:	Chen			Fax:	9054749889
Company Name:		Stantec Consulting Ltd.			
Description En:					
Description Fr:					
Position:		Project Manager			
Language:		1			
Email:		boris.chen@stantec.com			
<u>NPRI Report Contact</u>					
Contact Type:	NPRI			Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:		Public Contact			
Description Fr:		Responsable des renseignements au public			
Position:		Production Manager			
Language:		1			
Email:		mlaurysen@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Production Manager			
Language:		1			
Email:		mlaurysen@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Production Manager			
Language:		1			
Email:		mlaurysen@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Production Manager			
Language:		1			
Email:		mlaurysen@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	613-836-5353
First Name:	Michael			Extension:	1235
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Production Manager			
Language:		1			
Email:		mlaurysen@laurysenkitchens.com			
<u>NPRI ID Facility ID</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NPRI ID:		11159			
Facility ID:		283303			
<u>Facility</u>					
Facility ID:	283303			IDM ID:	12374
Portable:	FALSE			AB Approval ID:	0
NAICS Primary:	337110			GHGRP ID:	0
NAICS Secondary:	0			ON GHGRP ID:	0
NAICS Tertiary:	0				
Facility Name:		LAURYSSEN KITCHENS			
Website:					
<u>Address</u>					
Address1:		2415 Carp Road			
Address2:					
City:		STITTSVILLE			
Postal Zip:		K2S1B3			
Prov:					
<u>Address Geographic</u>					
Latitude:	45.2877			Datum:	1983
Longitude:	-75.9694			Land Survey:	
UTM Easting:	0.000000			Topograph:	
UTM Northing:	0.000000			Additional Info:	
UTM Zone:	0				
<u>Primary NAICS Details</u>					
NAICS Code:	337110			Start Date:	1993
Record Year:	1997			End Date:	2001
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood Kitchen Cabinet and Counter Top Manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
<u>NAICS Description En:</u>					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
<u>NAICS Description Fr:</u>					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2007
Record Year:	2007			End Date:	2011
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood Kitchen Cabinet and Counter Top Manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
<u>NAICS Description En:</u>					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2012
Record Year:	2012			End Date:	2016
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2017
Record Year:	2017			End Date:	2021
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2022
Record Year:	2022			End Date:	2026
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2002
Record Year:	2002			End Date:	2006

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood Kitchen Cabinet and Counter Top Manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NPRI Report					
Report ID:	94791	No of Employees:		0	
Report Year:	2018	Is Compressor:			
Company ID:	109950	Is NPRI Part 4:			
SWR Report ID:	144789	Is Battery:			
Repor Type ID:	3	Corres Lang ID:		1	
New Reporter:	FALSE	Submit Date:		2019-05-06 11:15:33.1366667	
Company					
Company Name:	Laursen Kitchens				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					
NPRI Report Comment					
Description En:	Reason the facility does not meet the criteria for NPRI				
Description Fr:	La raison pour laquelle cette installation ne rencontre pas les critères de déclaration de l'INRP				
Comment:	Did not exceed 10 tonnes total VOCs				
Note:					
NPRI Report Contact					
Contact Type:			Phone:	6139325192	
First Name:	Mike		Extension:		
Last Name:	Livermore		Fax:		
Company Name:	Mike Livermore HSE Consultant				
Description En:					
Description Fr:					
Position:	Planner				
Language:	1				
Email:	mlivermore843@gmail.com				
NPRI Report Contact					
Contact Type:			Phone:	6138365353	
First Name:	Caroline		Extension:	333	
Last Name:	Castrucci		Fax:	6138367511	
Company Name:					
Description En:					
Description Fr:					
Position:	Vice President				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Language:		1			
Email:		ccastrucci@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:		Mike		Extension:	
Last Name:		Livermore		Fax:	
Company Name:		Mike Livermore HSE Consultant			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:		Michael		Extension:	305
Last Name:		Mouat		Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			
Language:		1			
Email:		mmouat@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:		Mike		Extension:	
Last Name:		Livermore		Fax:	
Company Name:		Mike Livermore HSE Consultant			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:		NPRI		Phone:	6138365353
First Name:		Caroline		Extension:	333
Last Name:		Castrucci		Fax:	6138367511
Company Name:					
Description En:		Public Contact			
Description Fr:		Responsable des renseignements au public			
Position:		Vice President			
Language:		1			
Email:		ccastrucci@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:		Mike		Extension:	
Last Name:		Livermore		Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Michael			Extension:	305
Last Name:	Mouat			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			
Language:		1			
Email:		mmouat@laurysenkitchens.com			
<u>NPRI Report</u>					
Report ID:	94789			No of Employees:	125
Report Year:	2017			Is Compressor:	
Company ID:	109950			Is NPRI Part 4:	
SWR Report ID:	93848			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2018-04-27 14:05:10.1366667
<u>Company</u>					
Company Name:		Laurysen Kitchens			
DUNS No:		207475369			
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Michael			Extension:	305
Last Name:	Mouat			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			
Language:		1			
Email:		mmouat@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore HSE Consultant			
Description En:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore HSE Consultant			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Caroline			Extension:	333
Last Name:	Castrucci			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Vice President			
Language:		1			
Email:		ccastrucci@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore HSE Consultant			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Michael			Extension:	305
Last Name:	Mouat			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			
Language:		1			
Email:		mmouat@lauryсенkitchens.com			
<u>NPRI Report</u>					
Report ID:	94787			No of Employees:	0
Report Year:	2016			Is Compressor:	
Company ID:	109950			Is NPRI Part 4:	
SWR Report ID:	81375			Is Battery:	
Repor Type ID:	3			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2017-04-24 13:15:17.3266667

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Company</u>					
Company Name:		Lauryzen Kitchens			
DUNS No:		207475369			
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Comment</u>					
Description En:		NPRI report update comment			
Description Fr:		Commentaire sur la mise à jour du rapport de l'INRP			
Comment:		Review document.			
Note:					
<u>NPRI Report Comment</u>					
Description En:		Reason the facility does not meet the criteria for NPRI			
Description Fr:		La raison pour laquelle cette installation ne rencontre pas les critères de déclaration de l'INRP			
Comment:		Total usage of VOCs did not meet the reporting requirement of 10 tonnes			
Note:					
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore HSE Consultant			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Accountant			
Language:		1			
Email:		jgorman@lauryzenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contact Type:					
First Name:	Caroline			Phone:	6138365353
Last Name:	Castrucci			Extension:	333
Company Name:				Fax:	6138367511
Description En:					
Description Fr:					
Position:		Vice President			
Language:		1			
Email:		ccastrucci@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:					
First Name:	Mike			Phone:	6139325192
Last Name:	Livermore			Extension:	
Company Name:		Mike Livermore HSE Consultant		Fax:	
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:					
First Name:	Mike			Phone:	6139325192
Last Name:	Livermore			Extension:	
Company Name:		Mike Livermore HSE Consultant		Fax:	
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report</u>					
Report ID:	24328			No of Employees:	111
Report Year:	2015			Is Compressor:	
Company ID:	109950			Is NPRI Part 4:	
SWR Report ID:	64397			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2016-03-08 00:00:00.0000000
<u>Company</u>					
Company Name:		Lauryсен Kitchens			
DUNS No:		207475369			
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Contact</u>					
Contact Type:					
First Name:	NPRI			Phone:	6138365353
Last Name:	Caroline			Extension:	
Company Name:	Castrucci			Fax:	
Description En:		Public Contact			
Description Fr:		Responsable des renseignements au public			
Position:		Vice President			
Language:		1			
Email:		ccastrucci@lauryсенkitchens.com			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Accountant			
Language:		1			
Email:		jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		livermore@cogeco.ca			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			
Language:		1			
Email:		jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			
Language:		1			
Email:		jgorman@lauryсенkitchens.com			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>NPRI Report</u>					
Report ID:	42828			No of Employees:	112
Report Year:	2013			Is Compressor:	
Company ID:	109950			Is NPRI Part 4:	
SWR Report ID:	47939			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2015-04-22 00:00:00.0000000
<u>Company</u>					
Company Name:	Laurysen Kitchens				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Comment</u>					
Description En:	General comments about the facility				
Description Fr:	Commentaires généraux à propos de l'installation				
Comment:	Plant was shutdown for the Christmas week (Dec 23rd - Dec 27th				
Note:					
<u>NPRI Report Comment</u>					
Description En:	NPRI report update comment				
Description Fr:	Commentaire sur la mise à jour du rapport de l'INRP				
Comment:	Review				
Note:					
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:	Accountant				
Language:	1				
Email:	jgorman@laurysenkitchens.com				
<u>NPRI Report Contact</u>					
Contact Type:	NPRI			Phone:	6138365353
First Name:	Caroline			Extension:	
Last Name:	Castrucci			Fax:	
Company Name:					
Description En:	Public Contact				
Description Fr:	Responsable des renseignements au public				
Position:	Vice President				
Language:	1				
Email:	ccastrucci@laurysenkitchens.com				
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description En:					
Description Fr:					
Position:		Accountant			
Language:		1			
Email:		jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		livermore@cogeco.ca			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Accountant			
Language:		1			
Email:		jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		livermore@cogeco.ca			
<u>NPRI Report</u>					
Report ID:	52081			No of Employees:	90
Report Year:	2012			Is Compressor:	
Company ID:	109950			Is NPRI Part 4:	
SWR Report ID:	26187			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2013-12-11 00:00:00.0000000
<u>Company</u>					
Company Name:		Lauryсен Kitchens			
DUNS No:		207475369			
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Comment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description En:		NPRI report update comment			
Description Fr:		Commentaire sur la mise à jour du rapport de l'INRP			
Comment:		Review data			
Note:					
NPRI Report Contact					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Grenier			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Plant Manager			
Language:		1			
Email:		jgrenier@laurysenkitchens.com			
NPRI Report Contact					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Grenier			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Plant Manager			
Language:		1			
Email:		jgrenier@laurysenkitchens.com			
NPRI Report Contact					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		livermore@cogeco.ca			
NPRI Report					
Report ID:	61367			No of Employees:	99
Report Year:	2011			Is Compressor:	
Company ID:	109950			Is NPRI Part 4:	
SWR Report ID:	3486			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2012-06-25 00:00:00.0000000
Company					
Company Name:		Laurysen Kitchens			
DUNS No:		207475369			
Trade Name En:					
Trade Name Fr:					
Website:					
NPRI Report Contact					
Contact Type:				Phone:	6138365353

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
First Name: Last Name: Company Name: Description En: Description Fr: Position: Language: Email:	Jim Grenier			Extension: Fax:	6138367511
		Plant Manager 1 jgrenier@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type: First Name: Last Name: Company Name: Description En: Description Fr: Position: Language: Email:	Jim Gorman			Phone: Extension: Fax:	6138365353 6138367511
		Controller 1 jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type: First Name: Last Name: Company Name: Description En: Description Fr: Position: Language: Email:	Jim Gorman			Phone: Extension: Fax:	6138365353 6138367511
		Accountant 1 jgorman@lauryсенkitchens.com			
<u>NPRI Report</u>					
Report ID: Report Year: Company ID: SWR Report ID: Repor Type ID: New Reporter:	114336 2010 109950 20100000011159 1 FALSE			No of Employees: Is Compressor: Is NPRI Part 4: Is Battery: Corres Lang ID: Submit Date:	100 0 2011-08-24 00:00:00.0000000
<u>Company</u>					
Company Name: DUNS No: Trade Name En: Trade Name Fr: Website:	Lauryсен Kitchens 207475369				
<u>NPRI Report Comment</u>					
Description En: Description Fr: Comment:	NPRI report update comment Commentaire sur la mise à jour du rapport de l'INRP The 2010 Report has an error for the substance Volatile Organic Compounds (VOCs) (CAS # NA - M16). This substance was reported as 16992 tonnes which is an error and the actual release to be reported was 16,992 kg or 16.992 tonnes. The reduction in VOC **Note: data in the [Comment] field for some records is truncated from the source.				
Note:					
<u>NPRI Report Contact</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contact Type:					
First Name:	Jim			Phone:	6138365353
Last Name:	Gorman			Extension:	
Company Name:				Fax:	6138367511
Description En:					
Description Fr:					
Position:		Controller			
Language:		0			
Email:		jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:					
First Name:	Jim			Phone:	6138365353
Last Name:	Grenier			Extension:	
Company Name:				Fax:	6138367511
Description En:					
Description Fr:					
Position:		Plant Manager			
Language:		0			
Email:		jgrenier@lauryсенkitchens.com			
<u>NPRI Report</u>					
Report ID:	132092			No of Employees:	100
Report Year:	2009			Is Compressor:	
Company ID:	131250			Is NPRI Part 4:	
SWR Report ID:	20090000011159			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	0
New Reporter:	FALSE			Submit Date:	2010-05-26 00:00:00.0000000
<u>Company</u>					
Company Name:		LAURYSEN KITCHENS			
DUNS No:		207475369			
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Contact</u>					
Contact Type:					
First Name:	Jim			Phone:	6138365353
Last Name:	Grenier			Extension:	
Company Name:				Fax:	6138367511
Description En:					
Description Fr:					
Position:		Plant Manager			
Language:		0			
Email:		jgrenier@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:					
First Name:	Jim			Phone:	6138365353
Last Name:	Gorman			Extension:	
Company Name:				Fax:	6138367511
Description En:					
Description Fr:					
Position:		Controller			
Language:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Email:		jgorman@laurysenkitchens.com			
<u>NPRI Report</u>					
Report ID:	115065			No of Employees:	100
Report Year:	2008			Is Compressor:	
Company ID:	131250			Is NPRI Part 4:	
SWR Report ID:	20080000011159			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	0
New Reporter:	FALSE			Submit Date:	2009-05-29 00:00:00.0000000
<u>Company</u>					
Company Name:	LAURYSEN KITCHENS				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:	Controller				
Language:	0				
Email:	jgorman@laurysenkitchens.com				
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:	Plant Manager				
Language:	0				
Email:					
<u>NPRI Report</u>					
Report ID:	154512			No of Employees:	100
Report Year:	2007			Is Compressor:	
Company ID:	131250			Is NPRI Part 4:	
SWR Report ID:	20070000011159			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	0
New Reporter:	FALSE			Submit Date:	2008-05-26 00:00:00.0000000
<u>Company</u>					
Company Name:	LAURYSEN KITCHENS				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			
Language:		0			
Email:		jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Grenier			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Plant Manager			
Language:		0			
Email:					
<u>NPRI Report</u>					
Report ID:	154183			No of Employees:	100
Report Year:	2006			Is Compressor:	
Company ID:	131250			Is NPRI Part 4:	
SWR Report ID:	20060000011159			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	0
New Reporter:	FALSE			Submit Date:	2007-05-27 00:00:00.0000000
<u>Company</u>					
Company Name:		LAURYSEN KITCHENS			
DUNS No:		207475369			
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Grenier			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Plant Manager			
Language:		0			
Email:					
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Controller			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Language:		0			
Email:					
<u>NPRI Report</u>					
Report ID:	170425			No of Employees:	100
Report Year:	2005			Is Compressor:	
Company ID:	131250			Is NPRI Part 4:	
SWR Report ID:	20050000011159			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	0
New Reporter:	FALSE			Submit Date:	2006-05-31 00:00:00.0000000
<u>Company</u>					
Company Name:	LAURYSEN KITCHENS				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					
<u>NPRI Report Contact</u>					
Contact Type:			Phone:	6138365353	
First Name:	Jim		Extension:	0	
Last Name:	Gorman		Fax:	6138367511	
Company Name:					
Description En:					
Description Fr:					
Position:	Controller				
Language:	0				
Email:	jgorman@lauyrsenkitchens.com				
<u>NPRI Report Contact</u>					
Contact Type:			Phone:	6135843913	
First Name:	Robert		Extension:	0	
Last Name:	Kingsbury		Fax:	0	
Company Name:					
Description En:					
Description Fr:					
Position:	Environmental Specialist				
Language:	0				
Email:	itisahappyday@yahoo.ca				
<u>NPRI Report Contact</u>					
Contact Type:			Phone:	6138365353	
First Name:	Jim		Extension:	0	
Last Name:	Grenier		Fax:	6138367511	
Company Name:					
Description En:					
Description Fr:					
Position:	Plant Manager				
Language:	0				
Email:					
<u>NPRI Report</u>					
Report ID:	263786			No of Employees:	100
Report Year:	2004			Is Compressor:	
Company ID:	131250			Is NPRI Part 4:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SWR Report ID:	20040000011159			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	0
New Reporter:	TRUE			Submit Date:	2005-06-15 00:00:00.0000000
 <u>Company</u>					
Company Name:	LAURYSEN KITCHENS				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	0
Last Name:	Grenier			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:	Plant Manager				
Language:	0				
Email:					
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138222700
First Name:	Robert			Extension:	235
Last Name:	Kingsbury			Fax:	6138226183
Company Name:					
Description En:					
Description Fr:					
Position:	Environmental Manager				
Language:	0				
Email:	rob.kingsbury@lacombewaste.ca				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	0
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:	Controller				
Language:	0				
Email:	jgorman@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	0
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:	Controller				
Language:	0				
Email:	jgorman@laurysenkitchens.com				
 <u>NPRI ID Facility ID</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NPRI ID:		11159			
Facility ID:		248103			
<u>Facility</u>					
Facility ID:	248103			IDM ID:	12374
Portable:	FALSE			AB Approval ID:	0
NAICS Primary:	337110			GHGRP ID:	0
NAICS Secondary:	0			ON GHGRP ID:	0
NAICS Tertiary:	0				
Facility Name:		LAURYSSEN KITCHENS			
Website:					
<u>Address</u>					
Address1:		2415 Carp Road			
Address2:					
City:		STITTSVILLE			
Postal Zip:		K2S1B3			
Prov:					
<u>Address Geographic</u>					
Latitude:	45.2882			Datum:	1983
Longitude:	-75.9687			Land Survey:	
UTM Easting:	0.000000			Topograph:	
UTM Northing:	0.000000			Additional Info:	
UTM Zone:	0				
<u>Primary NAICS Details</u>					
NAICS Code:	337110			Start Date:	1993
Record Year:	1997			End Date:	2001
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood Kitchen Cabinet and Counter Top Manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
<u>NAICS Description En:</u>					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
<u>NAICS Description Fr:</u>					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2017
Record Year:	2017			End Date:	2021
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood kitchen cabinet and counter top manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
<u>NAICS Description En:</u>					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2022
Record Year:	2022			End Date:	2026
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood kitchen cabinet and counter top manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2002
Record Year:	2002			End Date:	2006
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2007
Record Year:	2007			End Date:	2011
Key Indus Sector En:	Other Manufacturing				
Key Indus Sector Fr:	Autres fabrication				
NAICS Title En:	Wood Kitchen Cabinet and Counter Top Manufacturing				
NAICS Title Fr:	Fabrication d'armoires et de comptoirs de cuisine en bois				
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NAICS Code:	337110			Start Date:	2012
Record Year:	2012			End Date:	2016

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Key Indus Sector En:		Other Manufacturing			
Key Indus Sector Fr:		Autres fabrication			
NAICS Title En:		Wood kitchen cabinet and counter top manufacturing			
NAICS Title Fr:		Fabrication d'armoires et de comptoirs de cuisine en bois			
NAICS Description En:					
This Canadian industry comprises establishments primarily engaged in manufacturing wood kitchen cabinets, bathroom vanities, and counters, designed for permanent installation.					
NAICS Description Fr:					
Cette classe canadienne comprend les établissements dont l'activité principale consiste à fabriquer des armoires et des comptoirs de cuisine et de salle de bains en bois conçus pour être installés en permanence.					
NPRI Report					
Report ID:	66059	No of Employees:		134	
Report Year:	2019	Is Compressor:			
Company ID:	109950	Is NPRI Part 4:			
SWR Report ID:	162217	Is Battery:			
Repor Type ID:	1	Corres Lang ID:		1	
New Reporter:	FALSE	Submit Date:		2020-07-02 14:57:51.6800000	
Company					
Company Name:	Lauryzen Kitchens				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					
NPRI Report Contact					
Contact Type:			Phone:	6139325192	
First Name:	Mike		Extension:		
Last Name:	Livermore		Fax:		
Company Name:	Mike Livermore - HSE Consulting Services				
Description En:					
Description Fr:					
Position:	Planner				
Language:	1				
Email:	mlivermore843@gmail.com				
NPRI Report Contact					
Contact Type:			Phone:	6138365353	
First Name:	Michael		Extension:	305	
Last Name:	Mouat		Fax:		
Company Name:					
Description En:					
Description Fr:					
Position:	Controller				
Language:	1				
Email:	mmouat@lauryzenkitchens.com				
NPRI Report Contact					
Contact Type:			Phone:	6138365353	
First Name:	Reza		Extension:	305	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Last Name:	Irvanian			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:	Controller				
Language:	1				
Email:	rirvanian@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	9054156351
First Name:	Boris			Extension:	
Last Name:	Chen			Fax:	9054749889
Company Name:	Stantec Consulting Limited				
Description En:					
Description Fr:					
Position:	Project Manager				
Language:	1				
Email:	boris.chen@stantec.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	
First Name:	Michael			Extension:	
Last Name:	Laurysen			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:	Production Manager				
Language:	1				
Email:	mlaurysen@laurysenkitchens.com				
 <u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Reza			Extension:	305
Last Name:	Irvanian			Fax:	
Company Name:					
Description En:					
Description Fr:					
Position:	Controller				
Language:	1				
Email:	rirvanian@laurysenkitchens.com				
 <u>NPRI Report</u>					
Report ID:	34027			No of Employees:	98
Report Year:	2014			Is Compressor:	
Company ID:	109950			Is NPRI Part 4:	
SWR Report ID:	79765			Is Battery:	
Repor Type ID:	1			Corres Lang ID:	1
New Reporter:	FALSE			Submit Date:	2016-11-30 00:00:00.0000000
 <u>Company</u>					
Company Name:	Laurysen Kitchens				
DUNS No:	207475369				
Trade Name En:					
Trade Name Fr:					
Website:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>NPRI Report Comment</u>					
Description En:		NPRI report update comment			
Description Fr:		Commentaire sur la mise à jour du rapport de l'INRP			
Comment:		Create exit record for methanol			
Note:					
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Accountant			
Language:		1			
Email:		jgorman@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6139325192
First Name:	Mike			Extension:	
Last Name:	Livermore			Fax:	
Company Name:		Mike Livermore - HSE Consulting Services			
Description En:					
Description Fr:					
Position:		Planner			
Language:		1			
Email:		mlivermore843@gmail.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					
Description Fr:					
Position:		Accountant			
Language:		1			
Email:		jgorman@laurysenkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:				Phone:	6138365353
First Name:	Jim			Extension:	
Last Name:	Gorman			Fax:	6138367511
Company Name:					
Description En:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description Fr:					
Position:		Accountant			
Language:		1			
Email:		jgorman@lauryсенkitchens.com			
<u>NPRI Report Contact</u>					
Contact Type:	NPRI			Phone:	6138365353
First Name:	Caroline			Extension:	
Last Name:	Castrucci			Fax:	
Company Name:					
Description En:		Public Contact			
Description Fr:		Responsable des renseignements au public			
Position:		Vice President			
Language:		1			
Email:		ccastrucci@lauryсенkitchens.com			
<u>Alternative Location Info</u>					
Facility ID:		431762			
Facility Name:		LAURYSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		283303			
Facility Name:		LAURYSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		443531			
Facility Name:		LAURYSEN KITCHENS			
Address1:					
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		248103			
Facility Name:		LAURYSEN KITCHENS			
Address1:					
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Alternative Location Info</u>					
Facility ID:		431762			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSTVILLE			
Postal ZIP:		K2S1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		283303			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSTVILLE			
Postal ZIP:		K2S1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		418424			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSTVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		248103			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSTVILLE			
Postal ZIP:		K2S1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		443531			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSTVILLE			
Postal ZIP:		K2S1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>Alternative Location Info</u>					
Facility ID:		431762			
Facility Name:		LAURYSSEN KITCHENS			
Address1:					
City:		STITTSTVILLE			
Postal ZIP:		K2S 1B3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
 <u>Alternative Location Info</u>					
Facility ID:		248103			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
 <u>Alternative Location Info</u>					
Facility ID:		418424			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSVILLE			
Postal ZIP:		K2S1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
 <u>Alternative Location Info</u>					
Facility ID:		283303			
Facility Name:		LAURYSSEN KITCHENS			
Address1:					
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
 <u>Alternative Location Info</u>					
Facility ID:		418424			
Facility Name:		LAURYSSEN KITCHENS			
Address1:					
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
 <u>Alternative Location Info</u>					
Facility ID:		443531			
Facility Name:		LAURYSSEN KITCHENS			
Address1:		2415 CARP ROAD			
City:		STITTSVILLE			
Postal ZIP:		K2S 1B3			
Province EN:		ON			
Latitude:		45.2877			
Longitude:		-75.9694			
<u>2</u>	1 of 1	SW/0.0	123.9 / 1.33	2301 CARP ROAD	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON					
Well ID:	7270810			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/08/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z217274			Contractor:	7238
Tag:	A175300			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270810.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	02/09/2016				
Year Completed:	2016				
Depth (m):	20.75				
Latitude:	45.2875981995243				
Longitude:	-75.9696508546232				
X:	-75.96965069354788				
Y:	45.28759819324835				
Path:	727\7270810.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1006236465			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	423960.00
Code OB Desc:				North83:	5015357.00
Open Hole:				Org CS:	MTM09
Cluster Kind:				UTMRC:	5
Date Completed:	02/09/2016			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006270470				
Layer:	3				
Color:					
General Color:					
Material 1:	15				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		5.050000190734863			
Formation End Depth:		20.75			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		1006270468			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		72			
Material 2 Desc:		GRAVELLY			
Material 3:		66			
Material 3 Desc:		DENSE			
Formation Top Depth:		0.0			
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		1006270469			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		4.570000171661377			
Formation End Depth:		5.050000190734863			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1006270481			
Layer:		4			
Plug From:		18.200000762939453			
Plug To:		20.75			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1006270478			
Layer:		1			
Plug From:		0.0			
Plug To:		13.100000381469727			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		1006270480			
Layer:		3			
Plug From:		14.0			
Plug To:		18.200000762939453			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006270479			
Layer:		2			
Plug From:		13.100000381469727			
Plug To:		14.0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006270477			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006270467			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006270474			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.9300000071525574			
Depth To:		14.5			
Casing Diameter:		3.799999952316284			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006270475			
Layer:		1			
Slot:		20			
Screen Top Depth:		14.5			
Screen End Depth:		17.5			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		3.799999952316284			
<u>Water Details</u>					
Water ID:		1006270473			
Layer:					
Kind Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006270471			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		5.050000190734863			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006270472			
Diameter:		10.0			
Depth From:		5.050000190734863			
Depth To:		20.75			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
3	1 of 1	SW/0.0	123.9 / 1.33	2301 CARP ROAD Ottawa ON	WWIS
Well ID:	7270811			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/08/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z217277			Contractor:	7238
Tag:	A175301			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270811.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	02/09/2016				
Year Completed:	2016				
Depth (m):	7.31				
Latitude:	45.2875804156658				
Longitude:	-75.969625047884				
X:	-75.96962488675645				
Y:	45.287580409797776				
Path:	727\7270811.pdf				
<u>Bore Hole Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	1006236468			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	423962.00
Code OB Desc:				North83:	5015355.00
Open Hole:				Org CS:	MTM09
Cluster Kind:				UTMRC:	5
Date Completed:	02/09/2016			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006270484				
Layer:	2				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:					
Material 2 Desc:					
Material 3:	91				
Material 3 Desc:	WATER-BEARING				
Formation Top Depth:	4.570000171661377				
Formation End Depth:	5.739999771118164				
Formation End Depth UOM:	m				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006270485				
Layer:	3				
Color:					
General Color:					
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	5.739999771118164				
Formation End Depth:	7.309999942779541				
Formation End Depth UOM:	m				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006270483				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	72				
Material 2 Desc:	GRAVELLY				
Material 3:	66				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3 Desc:		DENSE			
Formation Top Depth:		0.0			
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006270494			
Layer:		2			
Plug From:		3.8499999046325684			
Plug To:		7.309999942779541			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006270493			
Layer:		1			
Plug From:		0.0			
Plug To:		3.8499999046325684			
Plug Depth UOM:		m			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1006270492			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1006270482			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1006270489			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.9100000262260437			
Depth To:		4.260000228881836			
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		1006270490			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.260000228881836			
Screen End Depth:		7.309999942779541			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		1006270488			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006270486			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		5.739999771118164			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006270487			
Diameter:		10.0			
Depth From:		5.739999771118164			
Depth To:		7.309999942779541			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>4</u>	1 of 2	ENE/0.7	118.9 / -3.73	CAPITAL S.L.C. INC. 2397 CARP RD CARP ON K0A 1L0	PES
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Operator			Oper Phone No:	
Licence Type Code:	02			Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					
<u>4</u>	2 of 2	ENE/0.7	118.9 / -3.73	CAPITAL S.L.C. INC. 2397 CARP RD CARP ON K0A1L0	PES
Detail Licence No:				Operator Box:	
Licence No:	06172			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	613
Licence Type:	Operator			Oper Phone No:	5994392

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence Type Code:	02			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					

5	1 of 1	NNE/19.9	117.9 / -4.73	lot 5 con 3 ON	WWIS
Well ID:	1503112			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	06/30/1954
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	4825
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	005
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		HUNTLEY TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503112.pdf			

Additional Detail(s) (Map)

Well Completed Date: 06/03/1954
 Year Completed: 1954
 Depth (m): 22.86
 Latitude: 45.289455201101
 Longitude: -75.9682720958607
 X: -75.96827193529289
 Y: 45.28945519437719
 Path: 150\1503112.pdf

Bore Hole Information

Bore Hole ID:	10025155	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	424070.60
Code OB Desc:		North83:	5015562.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	06/03/1954	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Location Method Desc:	Original Pre1985 UTM Rel Code 9: unknown UTM		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996038			
Layer:		1			
Color:					
General Color:					
Material 1:		14			
Material 1 Desc:		HARDPAN			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		40.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996039			
Layer:		2			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		40.0			
Formation End Depth:		75.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503112			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573725			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930043079			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From:					
Depth To:		75.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930043078			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		50.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503112			
Pump Set At:					
Static Level:		40.0			
Final Level After Pumping:		45.0			
Recommended Pump Depth:					
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		25			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933455966			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		60.0			
Water Found Depth UOM:		ft			

<u>6</u>	1 of 1	NNE/19.9	117.9 / -4.73	ON	BORE
Borehole ID: 609633					
OGF ID:		215511249		Inclin FLG:	No
Status:				SP Status:	Initial Entry
Type:		Borehole		Surv Elev:	No
Use:				Piezometer:	No
Completion Date:		JUN-1954		Primary Name:	
Static Water Level:		6.1		Municipality:	
Primary Water Use:				Lot:	
Sec. Water Use:				Township:	
Total Depth m:		22.9		Latitude DD:	45.289456
Depth Ref:		Ground Surface		Longitude DD:	-75.968272
Depth Elev:				UTM Zone:	18
				Easting:	424071

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Drill Method:				Northing:	5015562
Orig Ground Elev m:	132			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	117				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218383683			Mat Consistency:	
Top Depth:	12.2			Material Moisture:	
Bottom Depth:	22.9			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LIMESTONE. 00060BLE AT 415.0 FEET.. LIMESTONE. GREY. 00111SEISMIC VELOCITY = 11500.				
Geology Stratum ID:	218383682			Mat Consistency:	Hard
Top Depth:	0			Material Moisture:	
Bottom Depth:	12.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	HARDPAN,GRAVEL.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 02141 NTS_Sheet:				
Confiden 1:					
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
7	1 of 1	NNE/20.7	118.9 / -3.69	lot 5 con 3 ON	WWIS
Well ID:					
Construction Date:	1511894			Flowing (Y/N):	
Use 1st:	Domestic			Flow Rate:	
Use 2nd:	0			Data Entry Status:	
Final Well Status:	Water Supply			Data Src:	1
Water Type:				Date Received:	10/04/1972
				Selected Flag:	TRUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:			Abandonment Rec:		
Audit No:			Contractor:	1558	
Tag:			Form Version:	1	
Constructn Method:			Owner:		
Elevation (m):			County:	OTTAWA-CARLETON	
Elevatn Reliabilty:			Lot:	005	
Depth to Bedrock:			Concession:	03	
Well Depth:			Concession Name:	CON	
Overburden/Bedrock:			Easting NAD83:		
Pump Rate:			Northing NAD83:		
Static Water Level:			Zone:		
Clear/Cloudy:			UTM Reliability:		
Municipality:			HUNTLEY TOWNSHIP		
Site Info:					
PDF URL (Map):			https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511894.pdf		
Additional Detail(s) (Map)					
Well Completed Date:			05/26/1972		
Year Completed:			1972		
Depth (m):			13.1064		
Latitude:			45.2894005513729		
Longitude:			-75.9683476795404		
X:			-75.96834751862224		
Y:			45.289400544498356		
Path:			151\1511894.pdf		
Bore Hole Information					
Bore Hole ID:			10033888		
DP2BR:			Elevation:		
Spatial Status:			Elevrc:		
Code OB:			Zone:		
Code OB Desc:			East83:		
Open Hole:			North83:		
Cluster Kind:			Org CS:		
Date Completed:			UTMRC:		
Remarks:			UTMRC Desc:		
Location Method Desc:			Location Method:		
Elevrc Desc:			margin of error : 30 m - 100 m		
Location Source Date:			p4		
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:			931018994		
Layer:			1		
Color:			6		
General Color:			BROWN		
Material 1:			28		
Material 1 Desc:			SAND		
Material 2:			11		
Material 2 Desc:			GRAVEL		
Material 3:			13		
Material 3 Desc:			BOULDERS		
Formation Top Depth:			0.0		
Formation End Depth:			28.0		
Formation End Depth UOM:			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931018995			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		28.0			
Formation End Depth:		43.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961511894			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10582458			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930060178			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		43.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930060177			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		31.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991511894			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At:					
Static Level:		28.0			
Final Level After Pumping:		30.0			
Recommended Pump Depth:		30.0			
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:		4.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934893641			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934098531			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934645622			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934384049			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933467184			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		42.0			
Water Found Depth UOM:		ft			
8	1 of 1	S/60.5	126.9 / 4.33	2301 CARP ROAD lot 4 con 3 Ottawa ON	WWIS
Well ID:	7270815			Flowing (Y/N):	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/08/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z217278			Contractor:	7238
Tag:	A175224			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		HUNTLEY TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270815.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		02/11/2016			
Year Completed:		2016			
Depth (m):		9.62			
Latitude:		45.286876218095			
Longitude:		-75.968809692347			
X:		-75.96880953121845			
Y:		45.28687621152438			
Path:		727\7270815.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1006236046			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424025.00
Code OB Desc:				North83:	5015276.00
Open Hole:				Org CS:	MTM09
Cluster Kind:				UTMRC:	5
Date Completed:	02/11/2016			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006274167			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3:		66			
Material 3 Desc:		DENSE			
Formation Top Depth:		1.2200000286102295			
Formation End Depth:		8.15999984741211			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006274168			
Layer:		3			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		8.15999984741211			
Formation End Depth:		9.619999885559082			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006274166			
Layer:		1			
Color:					
General Color:					
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		01			
Material 2 Desc:		FILL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		1.2200000286102295			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006274177			
Layer:		2			
Plug From:		6.099999904632568			
Plug To:		9.619999885559082			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006274176			
Layer:		1			
Plug From:		0.0			
Plug To:		6.099999904632568			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1006274175			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction Code: Method Construction: Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006274165			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006274172			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.8199999928474426			
Depth To:		6.570000171661377			
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006274173			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.570000171661377			
Screen End Depth:		9.630000114440918			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006274171			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006274169			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		8.100000381469727			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006274170			
Diameter:		10.0			
Depth From:		8.100000381469727			
Depth To:		9.619999885559082			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	S/60.8	126.9 / 4.33	2301 CARP ROAD lot 4 con 3 Ottawa ON	WWIS
Well ID:7270814 Construction Date: Use 1st:Monitoring Use 2nd: Final Well Status:Observation Wells Water Type: Casing Material: Audit No:Z217279 Tag:A175225 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality:HUNTLEY TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received:09/08/2016 Selected Flag:TRUE Abandonment Rec: Contractor:7238 Form Version:7 Owner: County:OTTAWA-CARLETON Lot:004 Concession:03 Concession Name:CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270814.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		02/12/2016			
Year Completed:		2016			
Depth (m):		23.55			
Latitude:		45.2868580014087			
Longitude:		-75.9688348856209			
X:		-75.9688347244638			
Y:		45.286857994286365			
Path:		727\7270814.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1006236043		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		02/12/2016		UTMRC Desc:	
Remarks:				margin of error : 100 m - 300 m	
Location Method Desc:		on Water Well Record		Location Method:	
Elevrc Desc:				wwr	
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006274151			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:		66			
Material 3 Desc:		DENSE			
Formation Top Depth:		0.0			
Formation End Depth:		8.359999656677246			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		1006274152			
Layer:		2			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		8.359999656677246			
Formation End Depth:		23.549999237060547			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1006274161			
Layer:		1			
Plug From:		0.0			
Plug To:		13.350000381469727			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1006274162			
Layer:		2			
Plug From:		13.350000381469727			
Plug To:		14.25			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1006274164			
Layer:		4			
Plug From:		19.25			
Plug To:		23.549999237060547			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		1006274163			
Layer:		3			
Plug From:		14.25			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:		19.25			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006274160			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006274150			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006274156			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		8.65999984741211			
Casing Diameter:		10.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1006274157			
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		1.2200000286102295			
Depth To:		15.279999732971191			
Casing Diameter:		3.799999952316284			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006274158			
Layer:		1			
Slot:		20			
Screen Top Depth:		15.279999732971191			
Screen End Depth:		18.280000686645508			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006274155			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006274153			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		8.359999656677246			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006274154			
Diameter:		10.0			
Depth From:		8.359999656677246			
Depth To:		23.549999237060547			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

10	1 of 1	WSW/83.8	123.5 / 0.94	2301 CARP RD lot 5 con 3 Ottawa ON	WWIS
Well ID:	7284048			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	03/31/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z253832			Contractor:	7238
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	005
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7284048.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	12/15/2016				
Year Completed:	2016				
Depth (m):					
Latitude:	45.2873356862204				
Longitude:	-75.9719417063503				
X:	-75.97194154500932				
Y:	45.287335679284844				
Path:	728\7284048.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1006373627			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:				East83:	423780.00
Code OB Desc:				North83:	5015330.00
Open Hole:				Org CS:	MTM09
Cluster Kind:				UTMRC:	4
Date Completed:	12/15/2016			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006631177			
Layer:					
Color:					
General Color:					
Material 1:					
Material 1 Desc:					
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006631184			
Layer:		1			
Plug From:		0.0			
Plug To:		8.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1006631183			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006631176			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006631180			
Layer:		1			
Material:					
Open Hole or Material:					
Depth From:		0.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		3.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1006631181			
Layer:		1			
Slot:					
Screen Top Depth:		3.0			
Screen End Depth:		8.0			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006631179			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1006631178			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
11	1 of 1	ENE/91.2	115.7 / -6.91	2394 CARP ROAD lot 4 con 2 CARP ON	WWIS
Well ID:	7139836			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Water Supply			Date Received:	02/16/2010
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z101772			Contractor:	1558
Tag:	A082859			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7139836.pdf				
Additional Detail(s) (Map)					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Date:		11/26/2009			
Year Completed:		2009			
Depth (m):		29.86			
Latitude:		45.2892771068665			
Longitude:		-75.9659175525631			
X:		-75.96591739153985			
Y:		45.289277100549945			
Path:		713\7139836.pdf			
 <u>Bore Hole Information</u>					
Bore Hole ID:	1002937655			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424255.00
Code OB Desc:				North83:	5015540.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	11/26/2009			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1003106661				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	12				
Material 2 Desc:	STONES				
Material 3:	91				
Material 3 Desc:	WATER-BEARING				
Formation Top Depth:	2.430000066757202				
Formation End Depth:	5.480000019073486				
Formation End Depth UOM:	m				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1003106660				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	12				
Material 2 Desc:	STONES				
Material 3:	77				
Material 3 Desc:	LOOSE				
Formation Top Depth:	0.0				
Formation End Depth:	2.430000066757202				
Formation End Depth UOM:	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003106662			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		5.480000019073486			
Formation End Depth:		29.8600000610351562			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003106665			
Layer:		1			
Plug From:		6.400000095367432			
Plug To:		0.0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003106685			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:		AIR PERCUSSION			
<u>Pipe Information</u>					
Pipe ID:		1003106658			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003106668			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-0.44999998807907104			
Depth To:		6.400000095367432			
Casing Diameter:		15.859999656677246			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003106669			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1003106659			
Pump Set At:		22.850000381469727			
Static Level:		2.609999895095825			
Final Level After Pumping:		2.7100000381469727			
Recommended Pump Depth:		22.850000381469727			
Pumping Rate:		54.599998474121094			
Flowing Rate:					
Recommended Pump Rate:		45.5			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		0			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106671			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		2.5999999046325684			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106682			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		2.700000047683716			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106674			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		2.609999895095825			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106673			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		2.609999895095825			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106676			
Test Type:		Draw Down			
Test Duration:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		2.640000104904175			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106681			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		2.700000047683716			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106683			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		2.7100000381469727			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106672			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		2.609999895095825			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106670			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		2.609999895095825			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106677			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		2.6600000858306885			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106678			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		2.680000066757202			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106679			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		2.690000057220459			
Test Level UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106680			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		2.690000057220459			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1003106675			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		2.619999885559082			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1003106667			
Layer:		2			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		18.280000686645508			
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		1003106666			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		9.140000343322754			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003106664			
Diameter:		14.90999984741211			
Depth From:		6.400000095367432			
Depth To:		29.860000610351562			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1003106663			
Diameter:		15.859999656677246			
Depth From:		0.0			
Depth To:		6.400000095367432			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
12	1 of 1	N/91.6	117.8 / -4.84	lot 5 con 3 ON	WWIS
Well ID:	1503111			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	06/30/1954
Water Type:				Selected Flag:	TRUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	4825
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	005
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:					
Site Info:					
HUNTLEY TOWNSHIP					
PDF URL (Map):				https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503111.pdf	
Additional Detail(s) (Map)					
Well Completed Date:				05/27/1954	
Year Completed:				1954	
Depth (m):				22.86	
Latitude:				45.2898087195568	
Longitude:				-75.9690432528841	
X:				-75.96904309196677	
Y:				45.28980871321622	
Path:				150\1503111.pdf	
Bore Hole Information					
Bore Hole ID:				10025154	
DP2BR:					
Spatial Status:					
Code OB:					
Code OB Desc:					
Open Hole:					
Cluster Kind:					
Date Completed:				05/27/1954	
Remarks:					
Location Method Desc:				Original Pre1985 UTM Rel Code 9: unknown UTM	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:				930996036	
Layer:				1	
Color:					
General Color:					
Material 1:				14	
Material 1 Desc:				HARDPAN	
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:				0.0	
Formation End Depth:				30.0	
Formation End Depth UOM:				ft	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930996037			
Layer:		2			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		30.0			
Formation End Depth:		75.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503111			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573724			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930043077			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		75.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930043076			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		30.0			
Casing Diameter:		5.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503111			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At: Static Level: 30.0 Final Level After Pumping: 32.0 Recommended Pump Depth: Pumping Rate: 5.0 Flowing Rate: Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: 0 Pumping Duration MIN: 20 Flowing: No					
<u>Water Details</u>					
Water ID: 933455965 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 60.0 Water Found Depth UOM: ft					
13	1 of 1	N/91.6	117.8 / -4.84	ON	BORE
Borehole ID: 609634 OGF ID: 215511250 Status: Type: Borehole Use: Completion Date: MAY-1954 Static Water Level: 2.1 Primary Water Use: Sec. Water Use: Total Depth m: 22.9 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 128 Elev Reliabil Note: DEM Ground Elev m: 117 Concession: Location D: Survey D: Comments:					
Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.289809 Longitude DD: -75.969043 UTM Zone: 18 Easting: 424011 Northing: 5015602 Location Accuracy: Accuracy: Not Applicable					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: 218383684 Top Depth: 0 Bottom Depth: 9.1 Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: HARDPAN.					
Mat Consistency: Hard Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
Geology Stratum ID: 218383685 Mat Consistency:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth: 9.1Material Moisture: Bottom Depth: 22.9Material Texture: Material Color: GreyNon Geo Mat Type: Material 1: LimestoneGeologic Formation: Material 2:Geologic Group: Material 3:Geologic Period: Material 4:Depositional Gen: Gsc Material Description: Stratum Description: LIMESTONE. 0006000060BLE AT 415.0 FEET.. LIMESTONE. GREY. 00111SEISMIC VELOCITY = 11 **Note: Many records provided by the department have a truncated [Stratum Description] field.					
Source					
Source Type: Data SurveySource Appl: Spatial/Tabular Source Orig: Geological Survey of CanadaSource Iden: 1 Source Date: 1956-1972Scale or Res: Varies Confidence:Horizontal: NAD27 Observatio:Verticalda: Mean Average Sea Level Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 02142 NTS_Sheet: Confiden 1:					
Source List					
Source Identifier: 1Horizontal Datum: NAD27 Source Type: Data SurveyVertical Datum: Mean Average Sea Level Source Date: 1956-1972Projection Name: Universal Transverse Mercator Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS) Source Originators: Geological Survey of Canada					
14	1 of 1	W/97.1	121.8 / -0.84	Campbell, Lyle W. & Catherine Faye	AGR
ON					
ID: 4089Effective Date: Current Status: SURRENDEREDLicenced Area (ha): 7.7 Authority Type:Extraction Area: Section: OGF ID: 67303932 Location Name:Max Tonnage: 250000 Address Line 1:Water Status: Information Not Available Address Line 2:District Name: Address City:Location Accuracy: Within 20 metres Address Pcode:Geom Updt Datetime: Geographc Township:Effective Datetime: 10-May-2006 District: System Datetime: 19-May-2006 Auth Type Desc: CLASS A LICENCE > 20000 TONNESRefreshed Datetime: Operation Type: PitMax Annual Tonnage: Unlimited Tonnage: NoX: -75.9714901 Status Date:Y: 45.28822785 Upper Tier Munici: Lower Tier Munici: Source Detail: Material Reference Geometry: Source: Aggregate Site Authorized - Inactive					
15	1 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corporation	SCT
2394 Carp Rd RR 3 Carp ON K0A 1L0					
Established: 1993 Plant Size (ft²):					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Employment:		18			
--Details--					
Description:		Ready-Mix Concrete Manufacturing			
SIC/NAICS Code:		327320			
15	2 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corp. 2394 Carp Rd RR 3 Carp ON K0A 1L0	SCT
Established:		01-AUG-93			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Ready-Mix Concrete Manufacturing			
SIC/NAICS Code:		327320			
15	3 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete 2394 Carp Rd RR 3 Carp ON K0A 1L0	SCT
Established:		1993			
Plant Size (ft²):					
Employment:		18			
--Details--					
Description:		Ready-Mix Concrete Manufacturing			
SIC/NAICS Code:		327320			
15	4 of 14	ENE/100.8	116.7 / -5.93	WEST CARLETON CONCRETE 2394 CARP RD STITTSVILLE ON	FSTH
License Issue Date:		12/16/1999			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		1997			
Corrosion Protection:					
Capacity:		4800			
Tank Fuel Type:		Liquid Fuel Single Wall AST - Diesel			
15	5 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corporation 2394 Carp Rd Ottawa Ontario Ottawa ON	EBR
EBR Registry No:		IA07E0236		Decision Posted:	
Ministry Ref No:		6316-6Y5T4A		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:				Act 1:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Notice Date: September 16, 2009 Proposal Date: February 13, 2007 Year: 2007 Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) Off Instrument Name: Posted By: Company Name: West Carleton Concrete Corporation Site Address: Location Other: Proponent Name: Proponent Address: 2394 Carp Rd, Ottawa Ontario, K0A 1L0 Comment Period: URL: Summary: Site Location Details: 2394 Carp Rd Ottawa Ontario Ottawa					
15	6 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corp. 2394 Carp Road Carp ON K0A 1L0	GEN
<u>Generator Info</u>					
Generator No: ON7856984 Approval Years: 06,07,08 Status: PO Box No: Country: Co Admin: Phone No Admin: SIC Description: Ready-Mix Concrete Manufacturing, Residential Building Construction Choice of Contact: Contaminated Fac: MHSW Facility: SIC Code: 327320 236110					
<u>Waste Detail(s)</u>					
Waste Class: 221 Waste Class Name: LIGHT FUELS Waste Detail(s) Waste Class: 252 Waste Class Name: WASTE OILS & LUBRICANTS					
15	7 of 14	ENE/100.8	116.7 / -5.93	WEST CARLETON CONCRETE 2394 CARP RD STITTSTVILLE ON	FSTH
License Issue Date: 12/16/1999 Tank Status: Licensed Tank Status As Of: December 2008 Operation Type: Private Fuel Outlet Facility Type: Gasoline Station - Self Serve --Details-- Status: Active Year of Installation: 1997 Corrosion Protection:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Capacity: Tank Fuel Type:		4800 Liquid Fuel Single Wall AST - Diesel			
15	8 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corporation 2394 Carp Road Ottawa CITY OF OTTAWA ON	EBR
EBR Registry No: 011-1680				Decision Posted:	
Ministry Ref No: 8135-8APJWR				Exception Posted:	
Notice Type: Instrument Decision				Section:	
Notice Stage:				Act 1:	
Notice Date: September 25, 2012				Act 2:	
Proposal Date: November 16, 2010				Site Location Map:	
Year: 2010					
Instrument Type:		(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)			
Off Instrument Name:					
Posted By:					
Company Name:		West Carleton Concrete Corporation			
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:		11 Gifford Street, Ottawa Ontario, Canada K2E 7S3			
Comment Period:					
URL:					
Summary:					
Site Location Details:					
2394 Carp Road Ottawa CITY OF OTTAWA					
15	9 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corp. 2394 Carp Road Carp ON K0A 1L0	GEN
<u>Generator Info</u>					
Generator No: ON7856984				Choice of Contact:	
Approval Years: 2009				Contaminated Fac:	
Status:				MHSW Facility:	
PO Box No:				SIC Code:	327320, 236110
Country:					
Co Admin:					
Phone No Admin:					
SIC Description:		Ready-Mix Concrete Manufacturing, Residential Building Construction			
<u>Waste Detail(s)</u>					
Waste Class: 221					
Waste Class Name: LIGHT FUELS					
<u>Waste Detail(s)</u>					
Waste Class: 252					
Waste Class Name: WASTE OILS & LUBRICANTS					
15	10 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corporation 2394 Carp Rd	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON					
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:	4089-8WDJ9N 9/19/2012 Approved Air/Noise 			MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	 Ottawa
15	11 of 14	ENE/100.8	116.7 / -5.93	WEST CARLETON CONCRETE 2394 CARP RD STITTSVILLE ON	FST
Inventory No: Inventory Status: Installation Year: Capacity: Capacity Unit: Tank Type: Manufacturer: Model: Description:	11597866 Active 			Tank Material: Corrosion Protect: Overfill Protection: Inventory Context: Inventory Item:	 Steel Coating FS Liquid Fuel Tank FS LIQUID FUEL TANK
15	12 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corporation 2394 Carp Rd Ottawa ON K2E 7S3	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:	4089-8WDJ9N 2012-09-19 Approved ECA IDS Mississippi Valley ECA-AIR AIR West Carleton Concrete Corporation 2394 Carp Rd https://www.accessenvironment.ene.gov.on.ca/instruments/8135-8APJWR-14.pdf			MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:	 Ottawa -75.96559 45.288956
15	13 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete 2394 Carp Rd Ottawa ON K0A 1L0	GEN
Generator Info					
Generator No: Approval Years: Status: PO Box No:	ON8324258 As of Dec 2017 Registered 			Choice of Contact: Contaminated Fac: MHSW Facility: SIC Code:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country: Canada Co Admin: Phone No Admin: SIC Description:					
<u>Waste Detail(s)</u>					
Waste Class: 232 L Waste Class Name: Polymeric resins					
<u>2017 Generator Info</u>					
Gen No: ON8324258 ID: 32633 Contaminated Fac: N MHSW Facility: N NAICS Code1: 238110 NAICS Code2: NAICS Code3: Gen Name: West Carleton Concrete Gen Div: Gen Op Name: West Carleton Concrete Gen Op Div: Site Adrs1: 2394 Carp Rd Site Bldg: Site Pobox: Province In: ONTARIO Site Adrs2: Site City: Ottawa Province Out: Site Postal Code: K0A 1L0 Site Country: Canada Co Official: Banko Bulat Co Admin:					
Choice of Contact: CO_OFFICIAL Phone No Official: 613-831-7046 Ext. Phone No Admin: County Ont: OTTAWA CARLTON (RM) County Out: District: 402					
<u>2017 Generator Manifest</u>					
ID: 60157 Generator No: ON8324258 Receiver Type: 035 Waste Char: L Waste Code: 232 Sum Received Qty: 1630.0 Waste Class Name: POLYMERIC RESINS Count Manifests: 1 District: 402					
15	14 of 14	ENE/100.8	116.7 / -5.93	West Carleton Concrete Corporation 2394 Carp Rd Ottawa ON K2S 1B9	SPL
Ref No: 8312-BCMK59 Year: Incident Dt: 5/16/2019 Dt MOE Arvl on Scn: MOE Reported Dt: 5/16/2019 Dt Document Closed: Site No: 8797-8W2NTT MOE Response: Site County/District: NA Site Geo Ref Meth: 10-30 metres eg. Medium Quality GPS Site District Office: Ottawa Nearest Watercourse: Site Name: West Carleton Concrete Corp Site Address: 2394 Carp Rd Site Region: Eastern Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: Agency Involved:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Municipality:		Ottawa			
Site Lot:					
Site Conc:		NA			
Site Geo Ref Accu:		GPS			
Site Map Datum:		NA			
Northing:		5015556			
Easting:		424136			
Entity Operating Name:					
Client Name:		West Carleton Concrete Corporation			
Client Type:		Corporation			
Source Type:					
Incident Cause:					
Incident Preceding Spill:					
Incident Reason:					
Incident Summary:		PTTW Inspection			
Environment Impact:					
Health Env Consequence:					
Nature of Impact:					
Contaminant Qty:					
Contaminant Qty 1:					
Contaminant Unit:					
Contaminant Code:					
Contaminant Name:					
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:					
Activity Preceding Spill:					
Property 2nd Watershed:					
Property Tertiary Watershed:					
Sector Type:					
SAC Action Class:					
Call Report Locatn Geodata:					
Time Reported:					
System Facility Address:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	2 of 4	ENE/106.4	115.1 / -7.48	West Carleton Sand & Gravel Inc. 2328 Carp Road Ottawa ON K0A 1L0	SPL
Ref No: 8266-BBTNQ8 Year: Incident Dt: 4/23/2019 Dt MOE Arvl on Scn: MOE Reported Dt: 5/2/2019 Dt Document Closed: Site No: 8661-4TXRCG MOE Response: No Site County/District: NA Site Geo Ref Meth: 10-30 metres eg. Medium Quality GPS Site District Office: Ottawa Nearest Watercourse: Site Name: Huntley Quarry Site Address: 2328 Carp Road Site Region: Eastern Site Municipality: Ottawa Site Lot: 4 & 5 Site Conc: 2 Site Geo Ref Accu: GIS Software Site Map Datum: NAD83 Northing: 5016210 Easting: 347415 Entity Operating Name: Client Name: West Carleton Sand & Gravel Inc. Client Type: Corporation Source Type: Pit/Quarry Incident Cause: Incident Preceding Spill: Incident Reason: Incident Summary: Non-compliance - Effluent Limit (TSS) Environment Impact: Health Env Consequence: Nature of Impact: Contaminant Qty: 125 mg/L Contaminant Qty 1: 125 Contaminant Unit: mg/L Contaminant Code: n/a Contaminant Name: SUSPENDED SOLIDS Contaminant Limit 1: 25 Contam Limit Freq 1: none Contaminant UN No 1: n/a Receiving Medium: Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: Other SAC Action Class: Call Report Locatn Geodata: Time Reported: System Facility Address: Municipality No: Nature of Damage: Discharger Report: Material Group: Impact to Health: 2 - Minor Environment Agency Involved:					
16	3 of 4	ENE/106.4	115.1 / -7.48	West Carleton Sand & Gravel Inc. 2328 Carp Road Ottawa ON	NCPL
Year: 2019 Type of Concern: Approval / Permit Non-Compliance					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
Contaminant: Discharge Type: Status Report: Sector: Site Address: District Area: Facility Owner: Site Name:		SUSPENDED SOLIDS, TOTAL Industrial Sewage Miscellaneous Industrial 2328 Carp Road Ottawa West Carleton Sand & Gravel Inc. Huntley Quarry				
Details						
Incident Date: Exceedance Start Date: Exceedance End Date: Limit/Unit/Freq: Quantity Min/Max: Facility Action: Ministry Action:		2019-04-23 2019-04-23 25mg/L / any 125/125 Training/Procedure Change Assessment Complete - Incident Resolved				
16	4 of 4	ENE/106.4	115.1 / -7.48	Green Infrastructure Partners Inc. 2328 Carp Road Carp, ON Canada ON	PTTW	
EBR Registry No: Ministry Ref No: Notice Type: Notice Stage: Notice Date: Proposal Date: Year: Instrument Type: Off Instrument Name: Posted By: Company Name: Site Address: Location Other: Proponent Name: Proponent Address: Comment Period: URL: Summary:		025-0399 4884-DFMFKM Instrument Proposal April 17, 2025 2025 Permit to take water Permit to Take Water (OWRA s. 34) Ministry of the Environment, Conservation and Parks 2328 Carp Road Carp, ON Canada Green Infrastructure Partners Inc. Green Infrastructure Partners Inc. 2332 Carp Road Carp, ON K0A 1L0 Canada April 17, 2025 - May 17, 2025 (30 days) Open https://ero.ontario.ca/notice/025-0399 This proposal is for renewal of Permit to Take Water No. 6157-BF9PHZ for Green Infrastructure Partners Inc. (previously West Carleton Sand & Gravel Inc.).		Decision Posted: Exception Posted: Section: Act 1: Act 2: Site Location Map:		Section 34 Ontario Water Resources Act, R.S.O. 1990 Ontario Water Resources Act 45.28616,-75.963226
Site Location Details: Lots: 3, 4 & 5, Concession: 2						
17	1 of 1	SSW/127.5	127.8 / 5.19	WASTE MANAGEMENT OF CANADA CORPORATION ON	AGR	
ID: Current Status:		4083 SURRENDERED		Effective Date: Licenced Area (ha):	14.9	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Authority Type: Section:			Extraction Area:		
Location Name:			OGF ID: 67926955		
Address Line 1:			Max Tonnage: 1		
Address Line 2:			Water Status: Information Not Available		
Address City:			District Name:		
Address Pcode:			Location Accuracy: Within 50 metres		
Geographc Township:			Geom Updt Datetime:		
District:			Effective Datetime: 07-Apr-2008		
Auth Type Desc: CLASS A LICENCE > 20000 TONNES			System Datetime: 21-Apr-2008		
Operation Type: Pit			Refreshed Datetime:		
Unlimited Tonnage: No			Max Annual Tonnage:		
Status Date:			X: -75.9694910117167		
Upper Tier Munici:			Y: 45.2857399597882		
Lower Tier Munici:					
Source Detail:			Aggregate Officer Updates. Updates are via site plans, amended licence forms, verbal communication, etc.		
Geometry:					
Source:			Aggregate Site Authorized - Inactive		

Additional Detail(s) (Map)

Well Completed Date: 11/08/1963
Year Completed: 1963
Depth (m): 16.4592
Latitude: 45.2877646005963
Longitude: -75.96594798785
X: -75.96594782658053
Y: 45.287764594285534
Path: 150\1503116.pdf

Bore Hole Information

Bore Hole ID:	10025159	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	424250.60

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				North83:	5015372.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	11/08/1963			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Location Method Desc:		Original Pre1985 UTM Rel Code 5:	margin of error : 100 m - 300 m		
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930996046			
Layer:		1			
Color:					
General Color:					
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		42.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930996047			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		42.0			
Formation End Depth:		54.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961503116			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10573729			
Casing No:		1			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930043087			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		54.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930043086			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		42.0			
Casing Diameter:		4.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991503116			
Pump Set At:					
Static Level:		20.0			
Final Level After Pumping:		25.0			
Recommended Pump Depth:		40.0			
Pumping Rate:		5.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		0			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933455970			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		42.0			
Water Found Depth UOM:		ft			
19	1 of 1	SW/135.5	126.6 / 3.97	2301 CARP RD lot 4 con 3 OTTAWA ON	WWIS
Well ID:	7309378			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	03/31/2017
Water Type:				Selected Flag:	TRUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z253831			Contractor:	7238
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		HUNTLEY TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/730\7309378.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		12/15/2016			
Year Completed:		2016			
Depth (m):					
Latitude:		45.2858303810286			
Longitude:		-75.9711254069405			
X:		-75.97112524630887			
Y:		45.28583037436839			
Path:		730\7309378.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1007019576			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	423842.00
Code OB Desc:				North83:	5015162.00
Open Hole:				Org CS:	MTM09
Cluster Kind:				UTMRC:	4
Date Completed:	12/15/2016			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007072379			
Layer:					
Color:					
General Color:					
Material 1:					
Material 1 Desc:					
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007072386			
Layer:		1			
Plug From:		0.0			
Plug To:		7.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1007072385			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007072378			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007072382			
Layer:		1			
Material:					
Open Hole or Material:					
Depth From:		0.0			
Depth To:		2.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1007072383			
Layer:		1			
Slot:					
Screen Top Depth:		2.0			
Screen End Depth:		7.0			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1007072381			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID:		1007072380			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
20	1 of 1	E/149.2	120.9 / -1.71	2301 CARP ROAD lot 4 con 3 OTTAWA ON	WWIS
Well ID:		7227437		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Other		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Other Status		Date Received:	
Water Type:				09/12/2014	
Casing Material:				Selected Flag:	
Audit No:		Z176091		TRUE	
Tag:		A152402		Abandonment Rec:	
Constructn Method:				Contractor:	
Elevation (m):				4877	
Elevatn Reliabilty:				Form Version:	
Depth to Bedrock:				7	
Well Depth:				Owner:	
Overburden/Bedrock:				County:	
Pump Rate:				OTTAWA-CARLETON	
Static Water Level:				Lot:	
Clear/Cloudy:				004	
Municipality:		HUNTLEY TOWNSHIP		Concession:	
Site Info:				03	
				Concession Name:	
				CON	
				Easting NAD83:	
				Northing NAD83:	
				Zone:	
				UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/722\7227437.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		08/07/2014			
Year Completed:		2014			
Depth (m):		18.288			
Latitude:		45.2876118561694			
Longitude:		-75.9659147906726			
X:		-75.96591463026152			
Y:		45.28761184952113			
Path:		722\7227437.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1005124437		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				18	
Code OB Desc:				East83:	
Open Hole:				424253.00	
Cluster Kind:				North83:	
Date Completed:		08/07/2014		5015355.00	
Remarks:				Org CS:	
Location Method Desc:		on Water Well Record		UTM83	
Elevrc Desc:				UTMRC:	
Location Source Date:				4	
Improvement Location Source:				UTMRC Desc:	
Improvement Location Method:				margin of error : 30 m - 100 m	
Source Revision Comment:				Location Method:	
Supplier Comment:				wwr	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356330			
Layer:		2			
Color:		8			
General Color:		BLACK			
Material 1:		16			
Material 1 Desc:		DOLOMITE			
Material 2:		73			
Material 2 Desc:		HARD			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		32.0			
Formation End Depth:		60.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356329			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		14			
Material 1 Desc:		HARDPAN			
Material 2:		05			
Material 2 Desc:		CLAY			
Material 3:		12			
Material 3 Desc:		STONES			
Formation Top Depth:		0.0			
Formation End Depth:		32.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005356367			
Layer:		2			
Plug From:		22.0			
Plug To:		0.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005356366			
Layer:		1			
Plug From:		33.0			
Plug To:		22.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005356365			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		1005356327			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005356335			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		33.0			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1005356336			
Layer:		3			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		33.0			
Depth To:		60.0			
Casing Diameter:		6.125			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1005356334			
Layer:		1			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		0.0			
Depth To:		33.0			
Casing Diameter:		9.875			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1005356337			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1005356328			
Pump Set At:		55.0			
Static Level:		8.609999656677246			
Final Level After Pumping:		8.770000457763672			
Recommended Pump Depth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Rate:		17.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:		6			
Pumping Duration MIN:		0			
Flowing:		No			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356338			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		8.65999984741211			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356340			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		8.65999984741211			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356349			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356352			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		8.699999809265137			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356359			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356360			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		8.770000457763672			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356339			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356356			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		8.739999771118164			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356363			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356342			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		8.65999984741211			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356347			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356348			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		8.670000076293945			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356361			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356350			
Test Type:		Draw Down			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Duration:		15			
Test Level:		8.6899995803833			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356353			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356341			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356346			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		8.65999984741211			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356354			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		8.720000267028809			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356357			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356343			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356351			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		8.609999656677246			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356355			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356362			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		8.770000457763672			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356344			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		8.65999984741211			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356358			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		8.770000457763672			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356345			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		8.609999656677246			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1005356333			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005356332			
Diameter:		6.125			
Depth From:		33.0			
Depth To:		60.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID: 1005356331 Diameter: 9.875 Depth From: 0.0 Depth To: 33.0 Hole Depth UOM: ft Hole Diameter UOM: inch					
21	1 of 1	NNE/150.7	114.9 / -7.73	lot 5 con 2 ON	WWIS
Well ID: 1517778 Construction Date: Use 1st: Domestic Use 2nd: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: HUNTLEY TOWNSHIP Site Info: PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517778.pdf					
Additional Detail(s) (Map)					
Well Completed Date: 10/08/1981 Year Completed: 1981 Depth (m): 30.48 Latitude: 45.2909620141107 Longitude: -75.9678513952686 X: -75.96785123359474 Y: 45.290962007622355 Path: 151\1517778.pdf					
Bore Hole Information					
Bore Hole ID: 10039650 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 10/08/1981 Remarks: Location Method Desc: from gis Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:					
Elevation: Elevrc: Zone: 18 East83: 424105.60 North83: 5015729.00 Org CS: UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: gis					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931036309			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		73			
Material 2 Desc:		HARD			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		4.0			
Formation End Depth:		45.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931036310			
Layer:		3			
Color:		8			
General Color:		BLACK			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		45.0			
Formation End Depth:		100.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931036308			
Layer:		1			
Color:		2			
General Color:		GREY			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:		77			
Material 3 Desc:		LOOSE			
Formation Top Depth:		0.0			
Formation End Depth:		4.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961517778			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		10588220			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930069314			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		8.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930069315			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		100.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991517778			
Pump Set At:					
Static Level:		1.0			
Final Level After Pumping:		45.0			
Recommended Pump Depth:		70.0			
Pumping Rate:		15.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934376609			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		45.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934102989			
Test Type:		Draw Down			
Test Duration:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		45.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934646445			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		45.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934896137			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		45.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933474328			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		97.0			
Water Found Depth UOM:		ft			

<u>22</u>	1 of 1	NNE/164.6	114.0 / -8.59	lot 5 con 2 ON	WWIS
Well ID:	1517783			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:	Abandoned-Supply			Date Received:	03/03/1982
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1558
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	005
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		HUNTLEY TOWNSHIP			
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517783.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/31/1981
Year Completed: 1981
Depth (m): 140.208
Latitude: 45.2910887730083
Longitude: -75.96776428287
X: -75.96776412218301

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Y:		45.291088766267706			
Path:		151\1517783.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10039655			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424112.60
Code OB Desc:				North83:	5015743.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	08/31/1981			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	gis
Location Method Desc:		from gis			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931036325				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	12.0				
Formation End Depth:	435.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931036327				
Layer:	4				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	440.0				
Formation End Depth:	460.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931036326				
Layer:	3				
Color:	7				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		RED			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		435.0			
Formation End Depth:		440.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931036324			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		13			
Material 3 Desc:		BOULDERS			
Formation Top Depth:		0.0			
Formation End Depth:		12.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961517783			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10588225			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930069325			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		460.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		930069324			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		22.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
23	1 of 1	NW/187.9	118.8 / -3.84	2425 CARP ROAD lot 5 con 3 ON	WWIS
Well ID:		7044380		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Observation Wells		Date Received:	
Water Type:				06/04/2007	
Casing Material:				Selected Flag:	
Audit No:		Z58353		TRUE	
Tag:		A051288		Abandonment Rec:	
Constructn Method:				Contractor:	
Elevation (m):				1844	
Elevatn Reliabilty:				Form Version:	
Depth to Bedrock:				3	
Well Depth:				Owner:	
Overburden/Bedrock:				County:	
Pump Rate:				OTTAWA-CARLETON	
Static Water Level:				Lot:	
Clear/Cloudy:				005	
Municipality:		HUNTLEY TOWNSHIP		Concession:	
Site Info:				03	
				Concession Name:	
				Easting NAD83:	
				Northing NAD83:	
				Zone:	
				UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7044380.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		03/20/2007			
Year Completed:		2007			
Depth (m):		20.8			
Latitude:		45.2897306012569			
Longitude:		-75.9708221493032			
X:		-75.97082198831144			
Y:		45.28973059438108			
Path:		704\7044380.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		11766797		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				18	
Code OB Desc:				East83:	
Open Hole:				423871.00	
Cluster Kind:				North83:	
Date Completed:		03/20/2007		5015595.00	
Remarks:				Org CS:	
Location 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	
<u>Overburden and Bedrock</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		933102727			
Layer:		6			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		6.400000095367432			
Formation End Depth:		20.799999237060547			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933102722			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		02			
Material 1 Desc:		TOPSOIL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933102726			
Layer:		5			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		3.0			
Formation End Depth:		6.400000095367432			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933102724			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		1.2000000476837158			
Formation End Depth:		2.700000047683716			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		933102723			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		06			
Material 2 Desc:		SILT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.5			
Formation End Depth:		1.2000000476837158			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock</u> <u>Materials Interval</u>					
Formation ID:		933102725			
Layer:		4			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.700000047683716			
Formation End Depth:		3.0			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment</u> <u>Sealing Record</u>					
Plug ID:		933320096			
Layer:		1			
Plug From:		0.0			
Plug To:		17.399999618530273			
Plug Depth UOM:		m			
 <u>Method of Construction & Well</u> <u>Use</u>					
Method Construction ID:		967044380			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11774487			
Casing No:		1			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930900158			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		17.399999618530273			
Casing Diameter:		51.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933424706			
Layer:		1			
Slot:		10			
Screen Top Depth:		17.799999237060547			
Screen End Depth:		20.799999237060547			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		58.0			
<u>Hole Diameter</u>					
Hole ID:		11853408			
Diameter:		10.0			
Depth From:		6.400000095367432			
Depth To:		20.799999237060547			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		11853409			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		6.400000095367432			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
24	1 of 1	SW/200.0	125.8 / 3.19	2301 CARP ROAD Ottawa ON	WWIS
Well ID:	7270803			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/08/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z217275			Contractor:	7238
Tag:	A175302			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Clear/Cloudy:		HUNTLEY TOWNSHIP		UTM Reliability:	
Municipality:					
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270803.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		02/05/2016			
Year Completed:		2016			
Depth (m):		18.6			
Latitude:		45.2856871347777			
Longitude:		-75.9720920716127			
X:		-75.97209191050229			
Y:		45.285687128266325			
Path:		727\7270803.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1006236444		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		02/05/2016		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		on Water Well Record		margin of error : 100 m - 300 m	
Elevrc Desc:				wwr	
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006270409			
Layer:		1			
Color:		2			
General Color:		GREY			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		13			
Material 3 Desc:		BOULDERS			
Formation Top Depth:		0.0			
Formation End Depth:		3.25			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006270410			
Layer:		2			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		3.25			
Formation End Depth:		18.600000381469727			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006270420			
Layer:		2			
Plug From:		13.949999809265137			
Plug To:		14.850000381469727			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006270419			
Layer:		1			
Plug From:		0.0			
Plug To:		13.949999809265137			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006270421			
Layer:		3			
Plug From:		14.850000381469727			
Plug To:		18.600000381469727			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1006270418			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006270408			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006270415			
Layer:		2			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.7099999785423279			
Depth To:		15.600000381469727			
Casing Diameter:		3.799999952316284			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		1006270414			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		8.65999984741211			
Casing Diameter:		10.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006270416			
Layer:		1			
Slot:		20			
Screen Top Depth:		15.600000381469727			
Screen End Depth:		18.600000381469727			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006270413			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		6.699999809265137			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006270412			
Diameter:		10.0			
Depth From:		3.25			
Depth To:		18.600000381469727			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006270411			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		3.25			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>25</u>	1 of 1	SW/200.2	125.8 / 3.19	2301 CARP ROAD lot 5 con 3 Ottawa ON	WWIS
Well ID:	7270804			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/08/2016
Water Type:				Selected Flag:	TRUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:					
Audit No:	Z217276			Abandonment Rec:	
Tag:	A175030			Contractor:	7238
Constructn Method:				Form Version:	7
Elevation (m):				Owner:	
Elevatn Reliabilty:				County:	OTTAWA-CARLETON
Depth to Bedrock:				Lot:	005
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Clear/Cloudy:				Zone:	
Municipality:		HUNTLEY TOWNSHIP		UTM Reliability:	
Site Info:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270804.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 02/04/2016					
Year Completed: 2016					
Depth (m): 4.52					
Latitude: 45.2857049180853					
Longitude: -75.972117878245					
X: -75.97211771729373					
Y: 45.28570491167842					
Path: 727\7270804.pdf					
<u>Bore Hole Information</u>					
Bore Hole ID: 1006236447					
DP2BR:					
Spatial Status:					
Code OB:					
Code OB Desc:					
Open Hole:					
Cluster Kind:					
Date Completed: 02/04/2016					
Remarks:					
Location Method Desc: on Water Well Record					
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 1006270424					
Layer: 2					
Color:					
General Color:					
Material 1: 15					
Material 1 Desc: LIMESTONE					
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth: 3.049999952316284					
Formation End Depth: 4.519999980926514					
Formation End Depth UOM: m					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006270423			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		13			
Material 3 Desc:		BOULDERS			
Formation Top Depth:		0.0			
Formation End Depth:		3.049999952316284			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006270432			
Layer:		1			
Plug From:		0.0			
Plug To:		1.5800000429153442			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006270433			
Layer:		2			
Plug From:		1.5800000429153442			
Plug To:		4.519999980926514			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006270431			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006270422			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006270428			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.75			
Depth To:		2.0799999237060547			
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006270429			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.0799999237060547			
Screen End Depth:		4.519999980926514			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006270427			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006270425			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		3.049999952316284			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006270426			
Diameter:		10.0			
Depth From:		3.049999952316284			
Depth To:		4.519999980926514			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
26	1 of 1	SSW/200.7	128.7 / 6.14	2301 CARP ROAD OTTAWA ON	WWIS
Well ID:	7264069			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	05/31/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z217228			Contractor:	7238
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Municipality:		HUNTLEY TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/726\7264069.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		04/15/2016			
Year Completed:		2016			
Depth (m):					
Latitude:		45.2850137397717			
Longitude:		-75.969772587292			
X:		-75.96977242622873			
Y:		45.28501373340599			
Path:		726\7264069.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1006029488	Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone:		18
Code OB:			East83:		423947.00
Code OB Desc:			North83:		5015070.00
Open Hole:			Org CS:		MTM09
Cluster Kind:			UTMRC:		6
Date Completed:		04/15/2016	UTMRC Desc:		margin of error : 300 m - 1 km
Remarks:			Location Method:		wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006083614			
Layer:		1			
Plug From:		0.0			
Plug To:		12.300000190734863			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006083613			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006083607			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID: 1006083611					
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM: cm					
Casing Depth UOM: m					
<u>Construction Record - Screen</u>					
Screen ID: 1006083612					
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter:					
<u>Water Details</u>					
Water ID: 1006083610					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1006083609					
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
27	1 of 1	SSE/217.7	130.6 / 7.97	2301 CARP RD lot 4 con 3 Ottawa ON	WWIS
Well ID: 7284050					
Construction Date:					
Use 1st:					
Use 2nd:					
Final Well Status: Abandoned-Other					
Water Type:					
Casing Material:					
Audit No: Z253834					
Tag:					
Constructn Method:					
Elevation (m):					
Elevatn Reliabilty:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Clear/Cloudy:					
Municipality: HUNTLEY TOWNSHIP					
Flowing (Y/N):					
Flow Rate:					
Data Entry Status:					
Data Src:					
Date Received: 03/31/2017					
Selected Flag: TRUE					
Abandonment Rec: Yes					
Contractor: 7238					
Form Version: 7					
Owner:					
County: OTTAWA-CARLETON					
Lot: 004					
Concession: 03					
Concession Name: CON					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7284050.pdf				
Additional Detail(s) (Map)					
Well Completed Date:	12/14/2016				
Year Completed:	2016				
Depth (m):					
Latitude:	45.2853873769939				
Longitude:	-75.9681722817726				
X:	-75.96817212116649				
Y:	45.285387370256935				
Path:	728\7284050.pdf				
Bore Hole Information					
Bore Hole ID:	1006373633		Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone:		18
Code OB:			East83:		424073.00
Code OB Desc:			North83:		5015110.00
Open Hole:			Org CS:		MTM09
Cluster Kind:			UTMRC:		4
Date Completed:	12/14/2016		UTMRC Desc:		margin of error : 30 m - 100 m
Remarks:			Location Method:		wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:	1006631267				
Layer:					
Color:					
General Color:					
Material 1:					
Material 1 Desc:					
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:	ft				
Annular Space/Abandonment					
Sealing Record					
Plug ID:	1006631273				
Layer:	1				
Plug From:	0.0				
Plug To:	17.0				
Plug Depth UOM:	ft				
Method of Construction & Well					
Use					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID: 1006631272 Method Construction Code: Method Construction: Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1006631266 Casing No: 0 Comment: Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1006631270 Layer: 1 Material: Open Hole or Material: Depth From: 0.0 Depth To: 2.0 Casing Diameter: 2.0 Casing Diameter UOM: inch Casing Depth UOM: ft					
<u>Construction Record - Screen</u>					
Screen ID: 1006631271 Layer: 1 Slot: Screen Top Depth: 2.0 Screen End Depth: 17.0 Screen Material: Screen Depth UOM: ft Screen Diameter UOM: inch Screen Diameter:					
<u>Water Details</u>					
Water ID: 1006631269 Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: ft					
<u>Hole Diameter</u>					
Hole ID: 1006631268 Diameter: Depth From: Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch					
28	1 of 1	SSE/230.7	130.9 / 8.27	2301 CARP ROAD lot 4 con 3 Ottawa ON	WWIS
Well ID: 7270812 Construction Date: Use 1st: Monitoring Flowing (Y/N): Flow Rate: Data Entry Status:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/08/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z217281			Contractor:	7238
Tag:	A175180			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270812.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	02/18/2016				
Year Completed:	2016				
Depth (m):	8.66				
Latitude:	45.2856724333398				
Longitude:	-75.9674630510063				
X:	-75.9674628897818				
Y:	45.2856724264298				
Path:	727\7270812.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1006236471			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424129.00
Code OB Desc:				North83:	5015141.00
Open Hole:				Org CS:	MTM09
Cluster Kind:				UTMRC:	5
Date Completed:	02/18/2016			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006274124				
Layer:	2				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:					
Material 2 Desc:					
Material 3:	66				
Material 3 Desc:	DENSE				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		4.260000228881836			
Formation End Depth:		6.559999942779541			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006274125			
Layer:		3			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		6.559999942779541			
Formation End Depth:		8.65999984741211			
Formation End Depth UOM:		m			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006274123			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		4.260000228881836			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006274134			
Layer:		2			
Plug From:		5.050000190734863			
Plug To:		8.479999542236328			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006274133			
Layer:		1			
Plug From:		0.0			
Plug To:		5.050000190734863			
Plug Depth UOM:		m			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1006274132			
Method Construction Code:					
Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006274122			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006274129			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.699999988079071			
Depth To:		5.610000133514404			
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006274130			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.610000133514404			
Screen End Depth:		8.65999984741211			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006274128			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006274127			
Diameter:		10.0			
Depth From:		6.559999942779541			
Depth To:		8.65999984741211			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006274126			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		6.559999942779541			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	1 of 1	SSE/233.5	130.9 / 8.27	2301 CARP ROAD lot 4 con 3 Ottawa ON	WWIS
Well ID:7270813 Construction Date: Use 1st:Monitoring Use 2nd: Final Well Status:Observation Wells Water Type: Casing Material: Audit No:Z217280 Tag:A175186 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality:HUNTLEY TOWNSHIP Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received:09/08/2016 Selected Flag:TRUE Abandonment Rec: Contractor:7238 Form Version:7 Owner: County:OTTAWA-CARLETON Lot:004 Concession:03 Concession Name:CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270813.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		02/17/2016			
Year Completed:		2016			
Depth (m):		21.3			
Latitude:		45.2856546489679			
Longitude:		-75.9674372458259			
X:		-75.967437084787			
Y:		45.2856546423755			
Path:		727\7270813.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1006236040		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		02/17/2016		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		on Water Well Record		wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006274136			
Layer:		1			
Color:		6			
General Color:		BROWN			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:		66			
Material 3 Desc:		DENSE			
Formation Top Depth:		0.0			
Formation End Depth:		7.309999942779541			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006274137			
Layer:		2			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		7.309999942779541			
Formation End Depth:		21.299999237060547			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006274149			
Layer:		4			
Plug From:		20.0			
Plug To:		21.299999237060547			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006274147			
Layer:		2			
Plug From:		14.949999809265137			
Plug To:		15.850000381469727			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006274148			
Layer:		3			
Plug From:		15.850000381469727			
Plug To:		20.0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006274146			
Layer:		1			
Plug From:		0.0			
Plug To:		14.949999809265137			
Plug Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1006274145				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1006274135				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1006274141				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0.8600000143051147				
Depth To:	16.65999984741211				
Casing Diameter:	3.799999952316284				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Casing</u>					
Casing ID:	1006274142				
Layer:	2				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:	0.0				
Depth To:	8.65999984741211				
Casing Diameter:	10.0				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1006274143				
Layer:	1				
Slot:	20				
Screen Top Depth:	16.65999984741211				
Screen End Depth:	19.65999984741211				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:					
<u>Water Details</u>					
Water ID:	1006274140				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1006274139			
Diameter:		10.0			
Depth From:		7.309999942779541			
Depth To:		21.299999237060547			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006274138			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		7.309999942779541			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
30	1 of 1	ESE/234.5	121.5 / -1.12	lot 4 con 3 ON	WWIS
Well ID:	1503115			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	05/25/1961
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	4824
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503115.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	04/25/1961				
Year Completed:	1961				
Depth (m):	19.812				
Latitude:	45.2870510529961				
Longitude:	-75.9651707718009				
X:	-75.96517061080273				
Y:	45.28705104638565				
Path:	150\1503115.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	10025158			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424310.60
Code OB Desc:				North83:	5015292.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	04/25/1961			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Location Method Desc:		Original Pre1985 UTM Rel Code 9: unknown UTM			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930996044			
Layer:		1			
Color:					
General Color:					
Material 1:		11			
Material 1 Desc:		GRAVEL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		22.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930996045			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		22.0			
Formation End Depth:		65.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961503115			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10573728			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Casing ID: 930043084
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930043085
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 65.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991503115
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 18.0
Recommended Pump Depth: 18.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933455969
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55.0
Water Found Depth UOM: ft

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1 of 1

ESE/240.3

121.5 / -1.12

2301 CARP ROAD lot 4 con 3
OTTAWA ON

WWIS

Well ID: 7227433
Construction Date:
Use 1st: Other
Use 2nd:
Final Well Status: Other Status
Water Type:
Casing Material:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 09/12/2014
Selected Flag: TRUE
Abandonment Rec:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Audit No:	Z176095			Contractor:	4877
Tag:	A169115			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		HUNTLEY TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/722\7227433.pdf			

Additional Detail(s) (Map)

Well Completed Date: 08/15/2014
Year Completed: 2014
Depth (m): 22.86
Latitude: 45.2870246342541
Longitude: -75.9651014643734
X: -75.96510130310878
Y: 45.287024627547005
Path: 722\7227433.pdf

Bore Hole Information

Bore Hole ID:	1005124425	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	424316.00
Code OB Desc:		North83:	5015289.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	08/15/2014	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1005356223
Layer: 3
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 73
Material 2 Desc: HARD
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 42.5
Formation End Depth: 45.5
Formation End Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356224			
Layer:		4			
Color:		8			
General Color:		BLACK			
Material 1:		16			
Material 1 Desc:		DOLOMITE			
Material 2:		73			
Material 2 Desc:		HARD			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		45.5			
Formation End Depth:		75.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356221			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		81			
Material 2 Desc:		SANDY			
Material 3:		79			
Material 3 Desc:		PACKED			
Formation Top Depth:		0.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356222			
Layer:		2			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		12			
Material 2 Desc:		STONES			
Material 3:		79			
Material 3 Desc:		PACKED			
Formation Top Depth:		5.0			
Formation End Depth:		42.5			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005356245			
Layer:		1			
Plug From:		42.0			
Plug To:		39.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID: 1005356247					
Layer: 3					
Plug From: 35.0					
Plug To: 0.0					
Plug Depth UOM: ft					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: 1005356246					
Layer: 2					
Plug From: 39.0					
Plug To: 35.0					
Plug Depth UOM: ft					
<u>Method of Construction & Well Use</u>					
Method Construction ID: 1005356244					
Method Construction Code: 2					
Method Construction: Rotary (Convent.)					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1005356219					
Casing No: 0					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1005356227					
Layer: 1					
Material: 4					
Open Hole or Material: OPEN HOLE					
Depth From: 0.0					
Depth To: 42.0					
Casing Diameter: 9.875					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
<u>Construction Record - Casing</u>					
Casing ID: 1005356228					
Layer: 2					
Material: 1					
Open Hole or Material: STEEL					
Depth From: 0.0					
Depth To: 42.0					
Casing Diameter: 6.25					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
<u>Construction Record - Screen</u>					
Screen ID: 1005356229					
Layer: 1					
Slot: 12					
Screen Top Depth: 58.5					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth:		41.0			
Screen Material:		1			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5.5			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1005356220			
Pump Set At:					
Static Level:		10.979999542236328			
Final Level After Pumping:		12.34000015258789			
Recommended Pump Depth:					
Pumping Rate:		19.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:		6			
Pumping Duration MIN:					
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356238			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		12.239999771118164			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356231			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		11.979999542236328			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356240			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		12.28499984741211			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356237			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		12.220000267028809			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356239			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		12.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356234			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		12.09000015258789			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356236			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		12.1850004196167			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356232			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		12.029999732971191			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356235			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		12.149999618530273			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356241			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		12.3149995803833			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356230			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		11.880000114440918			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356233			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		12.069999694824219			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356242			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		12.34000015258789			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1005356226			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		42.5			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005356225			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
32	1 of 1	NNE/243.4	113.6 / -8.97	lot 5 con 2 ON	WWIS
Well ID:	1517779			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:	Abandoned-Supply			Date Received:	03/03/1982
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1558
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	005
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517779.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	09/15/1981				
Year Completed:	1981				
Depth (m):	60.96				
Latitude:	45.291792623689				
Longitude:	-75.9675594565899				
X:	-75.96755929552614				
Y:	45.29179261770563				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		151\1517779.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	10039651			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424129.60
Code OB Desc:				North83:	5015821.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	09/15/1981			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931036312				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:	85				
Material 2 Desc:	SOFT				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	8.0				
Formation End Depth:	200.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931036311				
Layer:	1				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:	11				
Material 2 Desc:	GRAVEL				
Material 3:	13				
Material 3 Desc:	BOULDERS				
Formation Top Depth:	0.0				
Formation End Depth:	8.0				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	961517779				
Method Construction Code:	5				
Method Construction:	Air Percussion				
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		10588221			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930069316			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		22.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930069317			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		200.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>33</u>	1 of 2	ESE/257.3	119.9 / -2.73	2419787 Ontario Inc. 2355 Carp Road Ottawa, ON Canada ON	EBR
EBR Registry No:	019-7869			Decision Posted:	April 8, 2024
Ministry Ref No:	1000241553			Exception Posted:	
Notice Type:	Instrument			Section:	Part II.1 (20.3 or 20.5)
Notice Stage:	Decision			Act 1:	Environmental Protection Act, R.S.O. 1990
Notice Date:				Act 2:	Environmental Protection Act
Proposal Date:	November 9, 2023			Site Location Map:	45.287147,-75.965153
Year:	2023				
Instrument Type:	Environmental Compliance Approval (waste)				
Off Instrument Name:	Environmental Compliance Approval (waste) (EPA s.27)				
Posted By:	Ministry of the Environment, Conservation and Parks				
Company Name:					
Site Address:	2355 Carp Road Ottawa, ON Canada				
Location Other:					
Proponent Name:	2419787 Ontario Inc.				
Proponent Address:	2419787 Ontario Inc. 2355 McGee Side Road Ottawa, ON K0A 1L0 Canada				
Comment Period:	November 9, 2023 - December 24, 2023 (45 days) Closed				
URL:	https://ero.ontario.ca/notice/019-7869				
Summary:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Location Details:					
33	2 of 2	ESE/257.3	119.9 / -2.73	2419787 ONTARIO INC. 2355 CARP RD CARP ON K0A 1L0	WDS
Approval No: A-500-9241554674 Mob Unit Cert No: EBR Registry No: Status: Active Facility Type: Record Type: ECA Link Source: MOFA Project Type: WASTE_PROCESSING,WDS Application Status: Issue Date: April 8, 2024 Input Date: Date Received: Est Closure Date: Mobile Capacity: Mobile Units: Mobile Description: Prop City: Prop Postal: Prop Phone: Serial Link: Approval Type: ECA-WASTE_PROCESSING,WDS Proponent: Prop Address: Proponent County/District: Full Address: 2355 CARP RD Site Lot: Waste Class Code: Waste Class: Waste Type: Waste Type Other: Waste Description: Landfill Monitoring: Landfill Ctrl Type: Site Closing Description: Project Description: Municipalities Served: Approval Description: Other Approvals/Permits: PDF URL: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=3428637 PDF Site Location:		Total Area (ha): Landfill Cap (m³): Transfer Area (ha): Transfer Cap (m³): Transfer Cert No: Inciner. Area (ha): Inciner. Cap (t): Process Area (m³): Process Cap (m³/d): Process Vol (m³): Process Feed (m³): Site Concession: Site Region/County: SWP Area Name: Mississippi Valley MOE District: Ottawa District Office: Latitude: 45.2875 Longitude: -75.96527778 Geometry X: -8456416.04 Geometry Y: 5666896.605			
34	1 of 1	SSE/260.1	130.9 / 8.27	2301 CARP RD. lot 4 con 3 OTTAWA ON	WWIS
Well ID: 7227434 Construction Date: Use 1st: Other Use 2nd: Final Well Status: Other Status Water Type: Casing Material: Audit No: Z176093 Tag: A169114 Constructn Method: Elevation (m):		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 09/12/2014 Selected Flag: TRUE Abandonment Rec: Contractor: 4877 Form Version: 7 Owner: County: OTTAWA-CARLETON			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		HUNTLEY TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/722\7227434.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		08/13/2014			
Year Completed:		2014			
Depth (m):		22.86			
Latitude:		45.2855039134625			
Longitude:		-75.9671669042108			
X:		-75.96716674319266			
Y:		45.28550390683599			
Path:		722\7227434.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1005124428		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		08/13/2014		UTMRC Desc:	
Remarks:				Location Method:	
Location Method Desc:		on Water Well Record		wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356250			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		85			
Material 2 Desc:		SOFT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		29.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1005356253			
Layer:		4			
Color:		8			
General Color:		BLACK			
Material 1:		16			
Material 1 Desc:		DOLOMITE			
Material 2:		15			
Material 2 Desc:		LIMESTONE			
Material 3:		73			
Material 3 Desc:		HARD			
Formation Top Depth:		63.0			
Formation End Depth:		75.0			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356251			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		85			
Material 2 Desc:		SOFT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		29.0			
Formation End Depth:		51.5			
Formation End Depth UOM:		ft			
 <u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356252			
Layer:		3			
Color:		8			
General Color:		BLACK			
Material 1:		16			
Material 1 Desc:		DOLOMITE			
Material 2:		71			
Material 2 Desc:		FRACTURED			
Material 3:		73			
Material 3 Desc:		HARD			
Formation Top Depth:		51.5			
Formation End Depth:		63.0			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005356290			
Layer:		2			
Plug From:		75.0			
Plug To:		65.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005356289			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From:		51.5			
Plug To:		0.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005356288			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005356248			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005356259			
Layer:		3			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		51.5			
Depth To:		75.0			
Casing Diameter:		6.125			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1005356257			
Layer:		1			
Material:					
Open Hole or Material:					
Depth From:		0.0			
Depth To:		51.5			
Casing Diameter:		9.875			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1005356258			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		51.5			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1005356260			
Layer:		1			
Slot:		12			
Screen Top Depth:		65.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth:		47.5			
Screen Material:		1			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5.0			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1005356249			
Pump Set At:		64.0			
Static Level:		14.489999771118164			
Final Level After Pumping:		14.53499984741211			
Recommended Pump Depth:					
Pumping Rate:		25.0			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:		6			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356274			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		14.5600004196167			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356275			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		14.494999885559082			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356280			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		14.550000190734863			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356281			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		14.515000343322754			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356283			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		14.524999618530273			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356264			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		14.569999694824219			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356269			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		14.489999771118164			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356272			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		14.5600004196167			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356278			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		14.5600004196167			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356262			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		14.59000015258789			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356263			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		14.489999771118164			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356261			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		14.489999771118164			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356265			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		14.489999771118164			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356270			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		14.569999694824219			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356271			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		14.489999771118164			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356285			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		14.53499984741211			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356267			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		14.489999771118164			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356268			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		14.569999694824219			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356273			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		14.494999885559082			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1005356276			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		14.5600004196167			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356282			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		14.550000190734863			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356284			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		14.550000190734863			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356286			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		14.539999961853027			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356266			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		14.569999694824219			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356277			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		14.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005356279			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		14.505000114440918			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1005356256			
Layer:					
Kind Code:					
Kind:					

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	18
Code OB:				East83:	424326.00
Code OB Desc:				North83:	5015270.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		08/14/2014	UTMRC Desc:		margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: 1005359900					
Layer: 1					
Plug From: 200.0					
Plug To: 0.0					
Plug Depth UOM: ft					
<u>Method of Construction & Well Use</u>					
Method Construction ID: 1005359899					
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1005359893					
Casing No: 0					
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1005359897					
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
<u>Construction Record - Screen</u>					
Screen ID: 1005359898					
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM: ft					
Screen Diameter UOM: inch					
Screen Diameter:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		1005359896			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005359895			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
36	1 of 1	SSE/272.3	131.1 / 8.51	2301 CARP RD Ottawa ON	 WWIS
Well ID:	7284047			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	03/31/2017
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z253841			Contractor:	7238
Tag:	A175251			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7284047.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	09/29/2016				
Year Completed:	2016				
Depth (m):	12.6492				
Latitude:	45.2851317738937				
Longitude:	-75.9675303680259				
X:	-75.96753020685804				
Y:	45.2851317673606				
Path:	728\7284047.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1006373624			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424123.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				North83:	5015081.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:		09/29/2016		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006630921			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		31.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006630922			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		34			
Material 1 Desc:		TILL			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		31.0			
Formation End Depth:		41.5			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006630931			
Layer:		3			
Plug From:		30.0			
Plug To:		41.5			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006630930			
Layer:		2			
Plug From:		27.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:		30.0			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006630929			
Layer:		1			
Plug From:		0.0			
Plug To:		27.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1006630928			
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1006630920			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1006630925			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		31.5			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1006630926			
Layer:		1			
Slot:		10			
Screen Top Depth:		31.5			
Screen End Depth:		41.5			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
 <u>Water Details</u>					
Water ID:		1006630924			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1006630923			
Diameter:		8.25			
Depth From:		0.0			
Depth To:		41.5			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
37	1 of 1	SSE/279.1	131.6 / 8.97	2301 CARP RD. lot 4 con 3 OTTAWA ON	WWIS
Well ID:	7227435			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Supply			Date Received:	09/12/2014
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z176094			Contractor:	4877
Tag:	A169113			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/722\7227435.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	08/07/2014				
Year Completed:	2014				
Depth (m):	25.6032				
Latitude:	45.2848499592312				
Longitude:	-75.9678571095096				
X:	-75.96785694919569				
Y:	45.28484995271003				
Path:	722\7227435.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1005124431			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	424097.00
Code OB Desc:				North83:	5015050.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	08/07/2014			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356292			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		85			
Material 2 Desc:		SOFT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		15.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356295			
Layer:		4			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		73			
Material 2 Desc:		HARD			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		54.25			
Formation End Depth:		84.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356293			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		85			
Material 2 Desc:		SOFT			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		15.0			
Formation End Depth:		42.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005356294			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		28			
Material 1 Desc:		SAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		42.0			
Formation End Depth:		54.25			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005356304			
Layer:		1			
Plug From:		84.0			
Plug To:		54.25			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005356305			
Layer:		2			
Plug From:		54.25			
Plug To:		0.0			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1005356303			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1005356291			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1005356300			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		54.25			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		1005356299			
Layer:		1			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		0.0			
Depth To:		54.25			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:		9.875			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		1005356301			
Layer:		3			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		54.25			
Depth To:		84.0			
Casing Diameter:		6.125			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1005356302			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
 <u>Water Details</u>					
Water ID:		1005356298			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1005356296			
Diameter:		9.875			
Depth From:		0.0			
Depth To:		54.25			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
 <u>Hole Diameter</u>					
Hole ID:		1005356297			
Diameter:		6.125			
Depth From:		54.25			
Depth To:		84.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
38	1 of 1	WSW/285.8	124.6 / 1.97	2301 CARP ROAD lot 4 con 3 Ottawa ON	WWIS
Well ID:	7270809			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	09/08/2016
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z217273			Contractor:	7238
Tag:	A175306			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	004
Depth to Bedrock:				Concession:	03
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	HUNTLEY TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270809.pdf				
Additional Detail(s) (Map)					
Well Completed Date:	02/02/2016				
Year Completed:	2016				
Depth (m):	6.86				
Latitude:	45.2862013069095				
Longitude:	-75.9740773444727				
X:	-75.97407718298668				
Y:	45.28620130034023				
Path:	727\7270809.pdf				
Bore Hole Information					
Bore Hole ID:	1006236462			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	423611.00
Code OB Desc:				North83:	5015206.00
Open Hole:				Org CS:	MTM09
Cluster Kind:				UTMRC:	5
Date Completed:	02/02/2016			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	wwr
Location Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
Overburden and Bedrock					
Materials Interval					
Formation ID:	1006270455				
Layer:	3				
Color:	6				
General Color:	BROWN				
Material 1:	28				
Material 1 Desc:	SAND				
Material 2:					
Material 2 Desc:					
Material 3:	66				
Material 3 Desc:	DENSE				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		2.5899999141693115			
Formation End Depth:		3.119999885559082			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006270456			
Layer:		4			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		13			
Material 3 Desc:		BOULDERS			
Formation Top Depth:		3.119999885559082			
Formation End Depth:		5.360000133514404			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006270453			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006270457			
Layer:		5			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		5.360000133514404			
Formation End Depth:		6.860000133514404			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006270454			
Layer:		2			
Color:		6			
General Color:		BROWN			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:		11			
Material 2 Desc:		GRAVEL			
Material 3:		84			
Material 3 Desc:		SILTY			
Formation Top Depth:		1.5			
Formation End Depth:		2.5899999141693115			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006270465			
Layer:		1			
Plug From:		0.0			
Plug To:		3.369999885559082			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006270466			
Layer:		2			
Plug From:		3.369999885559082			
Plug To:		6.860000133514404			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006270464			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006270452			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006270461			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.8100000023841858			
Depth To:		3.809999942779541			
Casing Diameter:		5.0			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006270462			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.809999942779541			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth: 6.860000133514404 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter:					
<u>Water Details</u>					
Water ID: 1006270460 Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1006270459 Diameter: 10.0 Depth From: 5.360000133514404 Depth To: 6.860000133514404 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>Hole Diameter</u>					
Hole ID: 1006270458 Diameter: 20.0 Depth From: 0.0 Depth To: 5.360000133514404 Hole Depth UOM: m Hole Diameter UOM: cm					
39	1 of 1	WSW/285.9	124.6 / 1.97	lot 5 con 3 ON	WWIS
Well ID: 7270808 Construction Date: Use 1st: Monitoring Use 2nd: Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z217272 Tag: A175304 Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: HUNTLEY TOWNSHIP Site Info:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 09/08/2016 Selected Flag: TRUE Abandonment Rec: Contractor: 7238 Form Version: 7 Owner: County: OTTAWA-CARLETON Lot: 005 Concession: 03 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7270808.pdf					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 07/02/2016					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year Completed:		2016			
Depth (m):		21.28			
Latitude:		45.286183415311			
Longitude:		-75.9740642866924			
X:		-75.97406412597988			
Y:		45.28618340837618			
Path:		727\7270808.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1006236459		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				18	
Code OB Desc:				East83:	
Open Hole:				423612.00	
Cluster Kind:				North83:	
Date Completed:		07/02/2016		5015204.00	
Remarks:				Org CS:	
Location Method Desc:		on Water Well Record		MTM09	
Elevrc Desc:				UTMRC:	
Location Source Date:				5	
Improvement Location Source:				UTMRC Desc:	
Improvement Location Method:				margin of error : 100 m - 300 m	
Source Revision Comment:				Location Method:	
Supplier Comment:				wwr	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006391433			
Layer:		5			
Color:					
General Color:					
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		5.659999847412109			
Formation End Depth:		21.280000686645508			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006391432			
Layer:		4			
Color:		6			
General Color:		BROWN			
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		13			
Material 3 Desc:		BOULDERS			
Formation Top Depth:		3.119999885559082			
Formation End Depth:		5.659999847412109			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		1006391431			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		2.5899999141693115			
Formation End Depth:		3.119999885559082			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006391429			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		28			
Material 1 Desc:		SAND			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006391430			
Layer:		2			
Color:					
General Color:					
Material 1:		06			
Material 1 Desc:		SILT			
Material 2:		28			
Material 2 Desc:		SAND			
Material 3:		11			
Material 3 Desc:		GRAVEL			
Formation Top Depth:		1.5			
Formation End Depth:		2.5899999141693115			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006391445			
Layer:		3			
Plug From:		11.850000381469727			
Plug To:		16.200000762939453			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1006391446			
Layer:		4			
Plug From:		16.200000762939453			
Plug To:		21.0			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006391443			
Layer:		1			
Plug From:		0.0			
Plug To:		10.949999809265137			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006391444			
Layer:		2			
Plug From:		10.949999809265137			
Plug To:		11.850000381469727			
Plug Depth UOM:		m			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1006391442			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1006391428			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1006391438			
Layer:		1			
Material:		7			
Open Hole or Material:		OTHER			
Depth From:		-0.8600000143051147			
Depth To:		12.489999771118164			
Casing Diameter:		1.5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Casing</u>					
Casing ID:		1006391439			
Layer:		2			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.0			
Depth To:		6.099999904632568			
Casing Diameter:		4.0			
Casing Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006391440			
Layer:		1			
Slot:		20			
Screen Top Depth:		12.489999771118164			
Screen End Depth:		15.489999771118164			
Screen Material:		7			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1006391437			
Layer:		2			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		18.530000686645508			
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		1006391436			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		7.309999942779541			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006391435			
Diameter:		10.0			
Depth From:		5.659999847412109			
Depth To:		21.280000686645508			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1006391434			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		5.659999847412109			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Unplottable Summary

Total: **26** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	WEST CARLETON TOWNSHIP	R.R.#5(CARP RD.),S-WATER MGT.	WEST CARLETON TWP. ON	
CA	PAVAGE YOUNG ENG.	CARP ROAD, STITTSVILLE	WEST CARLETON TWP. ON	
CA	Rideau Forest Development Ltd.	Part of Lot 5, Concession 3, Geographic Township of Osgoode	Ottawa ON	
CA	LAURYSSEN KITCHENS LTD.	CARP RD. CON. 3 LOT 5	WEST CARLETON TWP. ON	
CA	WEST CARLETON TOWNSHIP	RR#5 (CARP RD.) S-WATER MGT.	WEST CARLETON TWP. ON	
CONV	WEST CARLETON SAND & GRAVEL IN		ON	
CONV	WEST CARLETON SAND & GRAVEL IN		ON	
ECA	Waste Management of Canada Corporation	Lot 5, 2 and 3 concession	Ottawa ON	K0A 1L0
GEN	LAURYSSEN KITCHENS LIMITED	COUNTY RD. 5, CARP ROAD LOT 5 CON. 3	WEST CARLETON TWP ON	K2S 1B3
GEN	LAURYSSEN KITCHENS LTD. 24-932	COUNTY RD. 5, CARP ROAD LOT 5 CON. 3 WEST CARLETON TWP., P.O. 1235	STITTSVILLE ON	K2S 1B3
GEN	CANADIAN WASTE SERVICES INC.	LOT 3, PART OF LOT 4, CONCESSION 3	WEST CARLETON TWP. ON	K0A 1L0
GEN	LAURYSSEN KITCHENS LIMITED	COUNTY ROAD 5 - CARP ROAD LOT 5, CONCESSION 3	WEST CARLETON TOWNSHIP ON	
GEN	CANADIAN WASTE SERVICES INC.	PART LOT 3, S. OF 1/2 OF LOT 4, CONC. 3	WEST CARLETON TWP. ON	K2P 2L7
PTTW	Ottawa Hunt and Golf Club, Limited	Lot 5, Concession 2 City of Ottawa, Ontario CITY OF OTTAWA	ON	
PTTW	Ottawa Hunt & Golf Club Limited	Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA	ON	
SPL		Carp Road (between Hazeldean and Stittsville Main), Stittsville	Ottawa ON	

SPL	TRANSPORT TRUCK	CARP ROAD LANDFILL MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	K2S 1B9
SPL	TRANSPORT TRUCK	CARP RD MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	K2S 1B9
SPL	ONTARIO HYDRO	LOT 5 CONC 2 HUNTLEY TWP. TRANSFORMER	OTTAWA-CARLETON R. M. ON	
SPL	TRANSPORT TRUCK	CARP RD. TRANSPORT TRUCK (CARGO)	WEST CARLETON TOWNSHIP ON	
SPL	UNKNOWN	LOT 5, CONCESSION 2, HUNTLEY WARD CORNER RICHARDSON SIDEROAD/CARP ROAD	WEST CARLETON TOWNSHIP ON	
SPL	UNKNOWN	VILLAGE OF CARP CARP ROAD	WEST CARLETON TOWNSHIP ON	
WWIS		lot 4 con 2	CARP ON	
WWIS		lot 4 con 2	CARP ONT. ON	
WWIS		lot 4 con 2	CARO ONT. ON	
WWIS		lot 4 con 2	ON	

Unplottable Report

Site: WEST CARLETON TOWNSHIP
R.R.#5(CARP RD.),S-WATER MGT. WEST CARLETON TWP. ON

Database:
CA

Certificate #: 3-0439-93-
Application Year: 93
Issue Date: 7/5/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: PAVAGE YOUNG ENG.
CARP ROAD, STITTSVILLE WEST CARLETON TWP. ON

Database:
CA

Certificate #: 8-4027-96-
Application Year: 96
Issue Date: 5/3/1996
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: RELOCATE ASPHALT PLANT
Contaminants: Nitrogen Oxides, Suspended Particulate Matter, Odour/Fumes
Emission Control: No Controls, Spray Chamber, No Controls,

Site: Rideau Forest Development Ltd.
Part of Lot 5, Concession 3, Geographic Township of Osgoode Ottawa ON

Database:
CA

Certificate #: 9805-6HWMA9
Application Year: 2005
Issue Date: 11/16/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: LAURYSSEN KITCHENS LTD.
CARP RD. CON. 3 LOT 5 WEST CARLETON TWP. ON

Database:
CA

Certificate #: 8-4157-87-

Application Year: 87
Issue Date: 12/23/1987
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: SPRAY BOOTH
Contaminants:
Emission Control:

Site: WEST CARLETON TOWNSHIP
RR#5 (CARP RD.) S-WATER MGT. WEST CARLETON TWP. ON

Database:
CA

Certificate #: 3-0439-93-
Application Year: 93
Issue Date: 6/1/1993
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WEST CARLETON SAND & GRAVEL IN
ON

Database:
CONV

File No:
Crown Brief No: 97-0102-0063
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: CONSTRUCTING AN ASPHALT PLANT THAT MAY DISCHARGE A CONTAMINANT PRIOR TO OBTAINING A CERTIFICATE OF APPROVAL.
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District: OTTAWA

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation:
Section: 9 (1)
Act/Regulation/Section: EPA- -9 (1)
Date of Offence:
Date of Conviction:
Date Charged: 9/11/97
Charge Disposition: SUSPENDED SENTENCE
Fine: \$1,500.00
Synopsis:

Site: WEST CARLETON SAND & GRAVEL IN
ON

Database:
CONV

File No:
Crown Brief No: 98-0000-9004
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: THIS IS THE EASTERN BRIEF FOR ALL P.O.A. TICKETS
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District:

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation:
Section: 186(3)
Act/Regulation/Section: EPA- -186(3)
Date of Offence:
Date of Conviction:
Date Charged: 5/6/98
Charge Disposition: SUSPENDED SENTENCE
Fine: \$300.00
Synopsis:

Site: Waste Management of Canada Corporation
Lot 5, 2 and 3 concession Ottawa ON K0A 1L0

Database:
ECA

Approval No: 7953-CFDMRG
Approval Date: August 10, 2022
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Mississippi Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Waste Management of Canada Corporation
Address: Lot 5, 2 and 3 concession
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2684-CEYHTR-14.pdf>
PDF Site Location: Carp Road Modifications
City of Ottawa, Ontario

MOE District: Ottawa
City:
Longitude:
Latitude:
Geometry X: -8468784.9962000009
Geometry Y: 5667824.9619999966

Site: LAURYSSEN KITCHENS LIMITED
COUNTY RD. 5, CARP ROAD LOT 5 CON. 3 WEST CARLETON TWP ON K2S 1B3

Database:
GEN

Generator Info

Generator No: ON1569500
Approval Years: 92,93,97,98
Status:
PO Box No:
Country:
Co Admin:

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 2542

Phone No Admin:
SIC Description: WOODEN KITCHEN CAB.

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Site: LAURYSSEN KITCHENS LTD. 24-932
COUNTY RD. 5, CARP ROAD LOT 5 CON. 3 WEST CARLETON TWP., P.O. 1235 STITTSVILLE ON K2S 1B3

Database:
GEN

Generator Info

Generator No: ON1569500
Approval Years: 94,95,96
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: WOODEN KITCHEN CAB.

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 2542

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Site: CANADIAN WASTE SERVICES INC.
LOT 3, PART OF LOT 4, CONCESSION 3 WEST CARLETON TWP. ON K0A 1L0

Database:
GEN

Generator Info

Generator No: ON2160030
Approval Years: 97,98,99,00,01
Status:
PO Box No:
Country:
Co Admin:
Phone No Admin:
SIC Description: OTHER UTILITY IND.

Choice of Contact:
Contaminated Fac:
MHSW Facility:
SIC Code: 4999

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Detail(s)

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

Waste Detail(s)

Waste Class: 251

Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Detail(s)

Waste Class: 149
Waste Class Name: LANDFILL LEACHATES

Site: LAURYSSEN KITCHENS LIMITED
COUNTY ROAD 5 - CARP ROAD LOT 5, CONCESSION 3 WEST CARLETON TOWNSHIP ON

Database:
GEN

Generator Info

Generator No:	ON1569500	Choice of Contact:	
Approval Years:	99,00,01	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	2542
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	WOODEN KITCHEN CAB.		

Waste Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Site: CANADIAN WASTE SERVICES INC.
PART LOT 3, S. OF 1/2 OF LOT 4, CONC. 3 WEST CARLETON TWP. ON K2P 2L7

Database:
GEN

Generator Info

Generator No:	ON2160032	Choice of Contact:	
Approval Years:	97,98,99,00,01	Contaminated Fac:	
Status:		MHSW Facility:	
PO Box No:		SIC Code:	4499
Country:			
Co Admin:			
Phone No Admin:			
SIC Description:	OTHER CONST. SERVICES		

Waste Detail(s)

Waste Class: 149
Waste Class Name: LANDFILL LEACHATES

Site: Ottawa Hunt and Golf Club, Limited
Lot 5, Concession 2 City of Ottawa, Ontario CITY OF OTTAWA ON

Database:
PTTW

EBR Registry No:	013-2682	Decision Posted:	
Ministry Ref No:	0641-AX8JAH	Exception Posted:	
Notice Type:	Instrument Decision	Section:	
Notice Stage:		Act 1:	
Notice Date:	September 19, 2018	Act 2:	
Proposal Date:	March 27, 2018	Site Location Map:	
Year:	2018		
Instrument Type:	Permit to Take Water - OWRA s. 34		
Off Instrument Name:			
Posted By:			
Company Name:	Ottawa Hunt and Golf Club, Limited(OWRA s. 34) - Permit to Take Water		
Site Address:			
Location Other:			

Proponent Name: Ottawa Hunt and Golf Club, Limited
Proponent Address: 1 Hunt Club Road Ottawa Ontario Canada K1V 1B9
Comment Period:
URL: <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM0OTYz&statusId=MjA3Mzcy&language=en>
Summary:

Site Location Details:

Lot 5, Concession 2
City of Ottawa, Ontario
CITY OF OTTAWA

Site: **Ottawa Hunt & Golf Club Limited**
Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA ON

Database:
PTTW

EBR Registry No: IA05E0019
Ministry Ref No: ER-0608-67WSSP
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 29, 2005
Proposal Date: January 07, 2005
Year: 2005
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Ottawa Hunt & Golf Club Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 1 Hunt Club Road, Ottawa Ontario, K1V 1B9
Comment Period:
URL:
Summary:

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

Site Location Details:

Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA

Site: **Carp Road (between Hazeldean and Stittsville Main), Stittsville Ottawa ON**

Database:
SPL

Ref No: 4602-9PMMJY
Year:
Incident Dt: 2014/10/06
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/10/06
Dt Document Closed: 2014/11/03
Site No: NA
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: Sanitary sewer<UNOFFICIAL>
Site Address: Carp Road (between Hazeldean and Stittsville Main), Stittsville
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: Unknown / N/A
Incident Preceding Spill:
Incident Reason: Unknown / N/A
Incident Summary: Stittsville, motor oil in sewer, city investigating source
Environment Impact: Not Anticipated
Health Env Consequence:
Nature of Impact: Other Impact(s)
Contaminant Qty: 0 other - see incident description
Contaminant Qty 1: 0
Contaminant Unit: other - see incident description
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Sewer (Private or Municipal)
SAC Action Class: Land Spills
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: TRANSPORT TRUCK
 CARP ROAD LANDFILL MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K2S 1B9

Database:
 SPL

Ref No:	233040	Municipality No:	20107
Year:		Nature of Damage:	
Incident Dt:	7/23/2002	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	7/23/2002	Impact to Health:	
Dt Document Closed:		Agency Involved:	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	OTTAWA CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	OTHER TRANSPORTATION ACCIDENT		
Incident Preceding Spill:			
Incident Reason:	ERROR		
Incident Summary:	KENWELL CARRIERS: 200L DIESEL TO GROUND, TRUCK HIT POLE, CLEANED UP		
Environment Impact:	POSSIBLE		
Health Env Consequence:			
Nature of Impact:	Soil contamination		
Contaminant Qty:			
Contaminant Qty 1:			

Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: TRANSPORT TRUCK
CARP RD MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K2S 1B9

Database:
SPL

Ref No: 194415 Municipality No: 20107
Year:
Incident Dt: 2/6/2001 Nature of Damage:
Dt MOE Arvl on Scn: Discharger Report:
MOE Reported Dt: 2/6/2001 Material Group:
Dt Document Closed: Impact to Health:
Site No: Agency Involved:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Preceding Spill:
Incident Reason: UNKNOWN
Incident Summary: TRANSPORT TRUCK,CDN WASTE SERVICES 170L DIESEL TO GRND. CONTAINED CLEANED
Environment Impact: Possible
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Land
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Time Reported:
System Facility Address:

Site: ONTARIO HYDRO
LOT 5 CONC 2 HUNTLEY TWP. TRANSFORMER OTTAWA-CARLETON R.M. ON

Database:
[SPL](#)

Ref No:	28839	Municipality No:	20000
Year:		Nature of Damage:	
Incident Dt:	12/13/1989	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	12/13/1989	Impact to Health:	
Dt Document Closed:		Agency Involved:	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	OTTAWA-CARLETON R.M.		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	COOLING SYSTEM LEAK		
Incident Preceding Spill:			
Incident Reason:	EQUIPMENT FAILURE		
Incident Summary:	ONT.HYDRO - 100 LTR OIL TO SNOW FROM TRANSFORMER.NON-PCB.		
Environment Impact:	NOT ANTICIPATED		
Health Env Consequence:			
Nature of Impact:			
Contaminant Qty:			
Contaminant Qty 1:			
Contaminant Unit:			
Contaminant Code:			
Contaminant Name:			
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	LAND		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:			
SAC Action Class:			
Call Report Locatn Geodata:			
Time Reported:			
System Facility Address:			

Site: TRANSPORT TRUCK
CARP RD. TRANSPORT TRUCK (CARGO) WEST CARLETON TOWNSHIP ON

Database:
[SPL](#)

Ref No:	67418	Municipality No:	20613
Year:		Nature of Damage:	
Incident Dt:	2/26/1992	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	2/26/1992	Impact to Health:	
Dt Document Closed:		Agency Involved:	

Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: WEST CARLETON TOWNSHIP
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Preceding Spill:
Incident Reason: EQUIPMENT FAILURE
Incident Summary: LAIDLAW ENVIRONMENTAL: 315 L ANTIFREEZE TO GRND FROM TRANSPORT TRUCK.
Environment Impact: CONFIRMED
Health Env Consequence:
Nature of Impact: Soil Contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: UNKNOWN
 LOT 5, CONCESSION 2, HUNTLEY WARD CORNER RICHARDSON SIDEROAD/CARP ROAD WEST CARLETON TOWNSHIP ON

Database:
 SPL

Ref No:	79431	Municipality No:	20613
Year:		Nature of Damage:	
Incident Dt:	//	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	11/30/1992	Impact to Health:	
Dt Document Closed:		Agency Involved:	OTTAWA R.M., WORKS
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	WEST CARLETON TOWNSHIP		
Site Lot:			
Site Conc:			

Site Geo Ref Accu:
 Site Map Datum:
 Northing:
 Easting:
 Entity Operating Name:
 Client Name:
 Client Type:
 Source Type:
 Incident Cause: UNKNOWN
 Incident Preceding Spill:
 Incident Reason: UNKNOWN
 Incident Summary: UNKNOWN SOURCE - 50L DIESE FUEL TO DITCH, CAUSE UNKNOWN.
 Environment Impact: POSSIBLE
 Health Env Consequence:
 Nature of Impact: Soil contamination
 Contaminant Qty:
 Contaminant Qty 1:
 Contaminant Unit:
 Contaminant Code:
 Contaminant Name:
 Contaminant Limit 1:
 Contam Limit Freq 1:
 Contaminant UN No 1:
 Receiving Medium: LAND
 Activity Preceding Spill:
 Property 2nd Watershed:
 Property Tertiary Watershed:
 Sector Type:
 SAC Action Class:
 Call Report Locatn Geodata:
 Time Reported:
 System Facility Address:

Site: UNKNOWN
 VILLAGE OF CARP CARP ROAD WEST CARLETON TOWNSHIP ON

Database:
 SPL

Ref No:	106528	Municipality No:	20613
Year:		Nature of Damage:	
Incident Dt:	10/18/1994	Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	
MOE Reported Dt:	10/18/1994	Impact to Health:	
Dt Document Closed:		Agency Involved:	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	WEST CARLETON TOWNSHIP		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	UNKNOWN		
Incident Preceding Spill:			
Incident Reason:	UNKNOWN		
Incident Summary:	HYDROCARBONS SEEPING FROMGROUND INTO DITCH		
Environment Impact:	CONFIRMED		

Health Env Consequence:
Nature of Impact: Multi Media Pollution
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site:

lot 4 con 2 CARP ON

Database:
[WWIS](#)

Well ID: 7039476
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z50557
Tag: A045204
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: HUNTLEY TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 01/22/2007
Selected Flag: TRUE
Abandonment Rec: Yes
Contractor: 6574
Form Version: 3
Owner:
County: OTTAWA-CARLETON
Lot: 004
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11761786
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/30/2006
Remarks:
Location Method Desc:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:
Location Method:

Annular Space/Abandonment
Sealing Record

Plug ID: 933311786
Layer: 1
Plug From: 0.0
Plug To: 2.0
Plug Depth UOM: m

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933311787
Layer: 2
Plug From: 2.0
Plug To: 49.0
Plug Depth UOM: m

**Method of Construction & Well
Use**

Method Construction ID: 967039476
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11769476
Casing No: 1
Comment:
Alt Name:

Site:

lot 4 con 2 CARP ONT. ON

Database:
WWIS

Well ID: 7039477
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z42179
Tag: A037742
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: HUNTLEY TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 01/22/2007
Selected Flag: TRUE
Abandonment Rec: Yes
Contractor: 6574
Form Version: 3
Owner:
County: OTTAWA-CARLETON
Lot: 004
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11761787
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/30/2006
Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:

Remarks:
Location Method Desc:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Location Method:

Annular Space/Abandonment
Sealing Record

Plug ID: 933311788
Layer: 1
Plug From: 0.0
Plug To: 2.0
Plug Depth UOM: m

Annular Space/Abandonment
Sealing Record

Plug ID: 933311789
Layer: 2
Plug From: 2.0
Plug To: 28.0
Plug Depth UOM: m

Method of Construction & Well
Use

Method Construction ID: 967039477
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11769477
Casing No: 1
Comment:
Alt Name:

Site:
lot 4 con 2 CARO ONT. ON

Database:
[WWIS](#)

Well ID: 7039475
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z50556
Tag: A045205
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: HUNTLEY TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 01/22/2007
Selected Flag: TRUE
Abandonment Rec: Yes
Contractor: 6574
Form Version: 3
Owner:
County: OTTAWA-CARLETON
Lot: 004
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11761785
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/30/2006
Remarks:
Location Method Desc:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:
Location Method:

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933311785
Layer: 2
Plug From: 3.0
Plug To: 39.0
Plug Depth UOM: m

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933311784
Layer: 1
Plug From: 0.0
Plug To: 3.0
Plug Depth UOM: m

**Method of Construction & Well
Use**

Method Construction ID: 967039475
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11769475
Casing No: 1
Comment:
Alt Name:

Site:
lot 4 con 2 ON

Database:
[WWIS](#)

Well ID: 1536506
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 235230

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 08/01/2006
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4006

Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: 15000
Site Info:

Form Version: 2
Owner:
County: OTTAWA-CARLETON
Lot: 004
Concession: 02
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11550572
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/04/2004
Remarks:
Location 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:
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 933066015
Layer: 3
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 05
Material 2 Desc: CLAY
Material 3:
Material 3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 34.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 933066013
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 933066014
Layer: 2
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 933066017
Layer: 5
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 140.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 933066016
Layer: 4
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 71
Material 2 Desc: FRACTURED
Material 3:
Material 3 Desc:
Formation Top Depth: 34.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933299444
Layer: 1
Plug From: 40.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961536506
Method Construction Code: 4

Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11560179
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930884700
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 40.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930884699
Layer: 1
Material:
Open Hole or Material:
Depth From: 0.0
Depth To: 40.0
Casing Diameter: 10.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930884701
Layer: 3
Material:
Open Hole or Material:
Depth From: 40.0
Depth To: 140.0
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: 11569551
Pump Set At: 60.0
Static Level: 12.0
Final Level After Pumping: 21.0
Recommended Pump Depth:
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11662477
Test Type: Draw Down
Test Duration: 30
Test Level: 16.700000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11662479
Test Type: Draw Down
Test Duration: 60
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11662476
Test Type: Draw Down
Test Duration: 15
Test Level: 14.300000190734863
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 11662478
Test Type: Draw Down
Test Duration: 45
Test Level: 18.0
Test Level UOM: ft

Water Details

Water ID: 934078359
Layer: 1
Kind Code:
Kind:
Water Found Depth: 93.0
Water Found Depth UOM: ft

Water Details

Water ID: 934078358
Layer: 2
Kind Code:
Kind:
Water Found Depth: 129.0
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 2024

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-Apr 2024

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-Apr 30, 2024

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 2023

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-Apr 30, 2024

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 -Feb 2025

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-Apr 2025

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 - Apr 30, 2025

Drill Hole Database:

Provincial

[DRL](#)

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 2024

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 - Apr 30, 2025

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 - Apr 30, 2025

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 - Apr 30, 2025

Environmental Effects Monitoring:

Federal

[EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

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

Government Publication Date: 1999-Aug 31, 2024

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, Conservation and Parks (MECP). 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, 2024

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-Jan 2025

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. As of January 1, 2023, businesses and institutions subject to the amended Reg. 347: General – Waste Management are required to report their activities and pay fees through Resource Productivity & Recovery Authority (RPRA) online Hazardous Waste Program Registry (HWPR) rather than the Hazardous Waste Information Network (HWIN) system previously operated by the Ministry of the Environment, Conservation and Parks (MECP). 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-Dec 31, 2024

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-Apr 2024

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 2025

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 Conservation and Parks (MECP) 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. MECP publicly releases the Environmental Compliance Report (ECR) on the Ontario Data Catalogue. In Ontario, all facilities with regulated wastewater discharges or air emissions under the Ontario Water Resources Act and the Environmental Protection Act must monitor and report any cases where approved operating limits have been exceeded.

Government Publication Date: Dec 31, 2023

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-May 31, 2025

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

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

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

Federal

[NPCB](#)

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

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

Federal

[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: Feb 2024**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 28, 2025**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024**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 - Apr 30, 2025

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 - Apr 30, 2025

Ontario PFAS Spills:

Provincial

PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct-Nov 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: Feb 2024

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: Feb 2024

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

Potential PFAS Handlers from EASR:

Provincial

PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR 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.

Government Publication Date: Jun 30, 2024

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 - Apr 30, 2025

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-May 2025

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-Apr 30, 2024

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.

Government Publication Date: 1988-Jun 2024; Aug-Feb 2025

Wastewater Discharger Registration Database:

Provincial

SRDS

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

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970 - Apr 2024

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 ERI'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 - Apr 30, 2025

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 ERI'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: Dec 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.

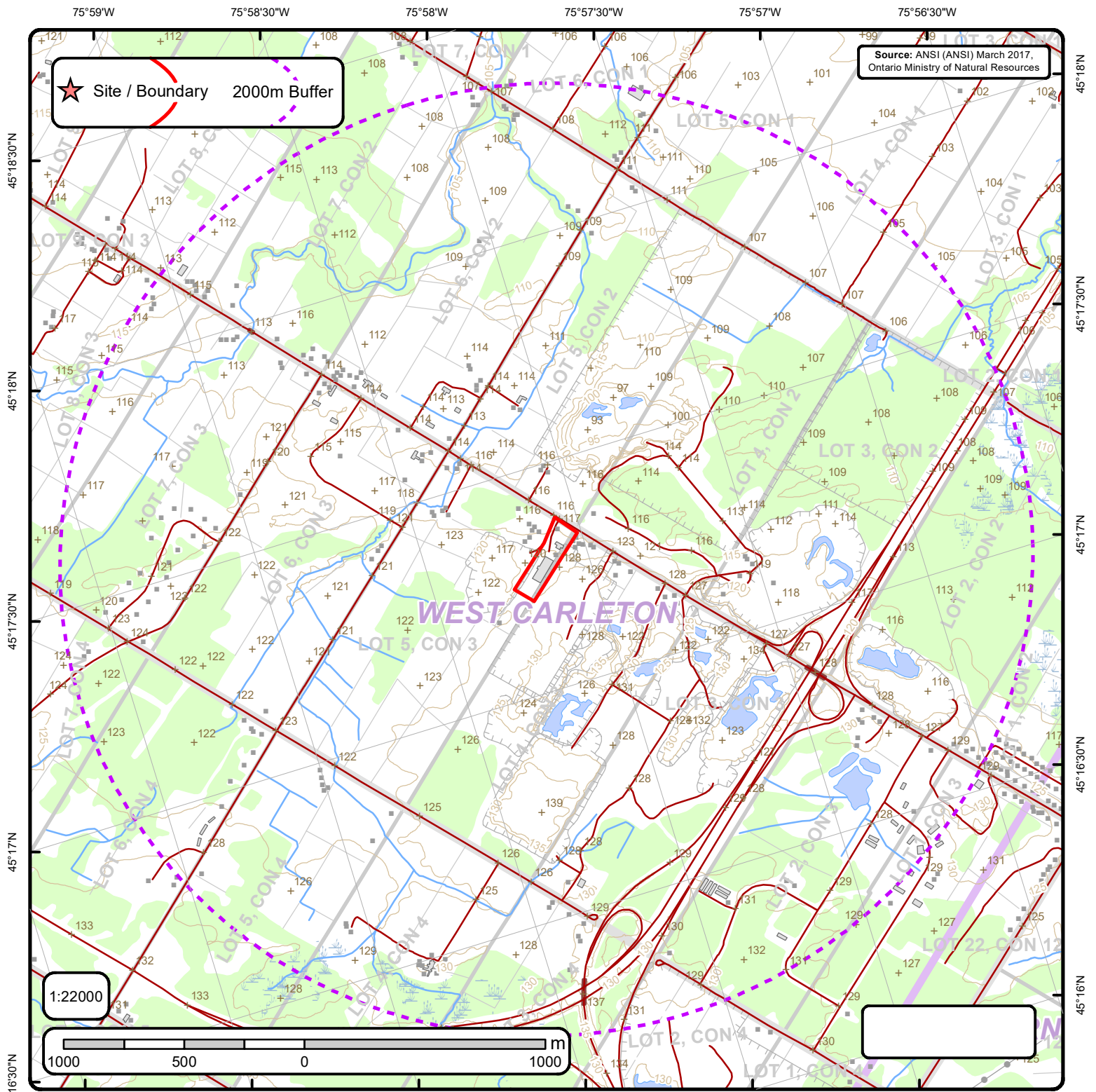
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'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.

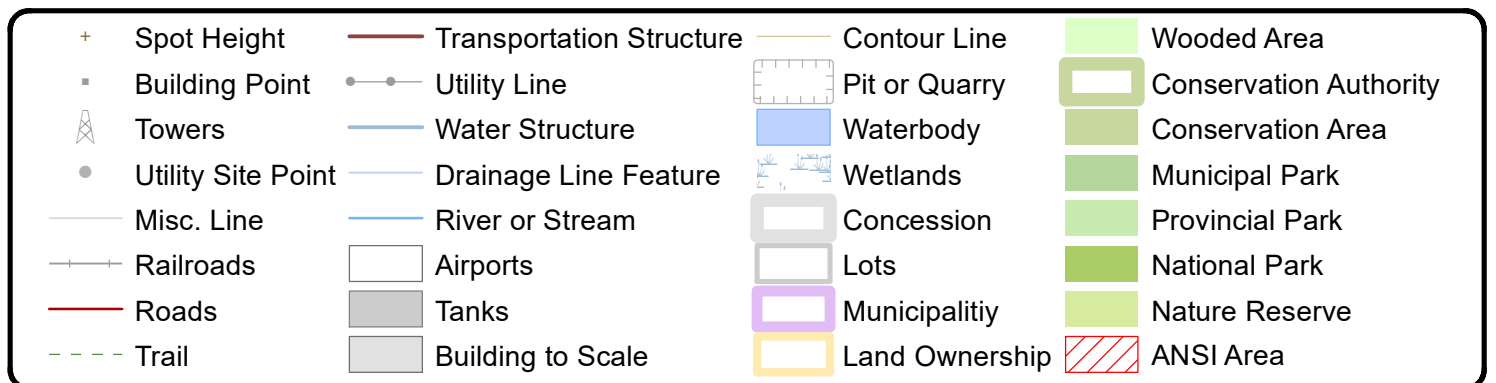
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number 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.



Area of Natural & Scientific Interest (ANSI) Order No. 25061200511



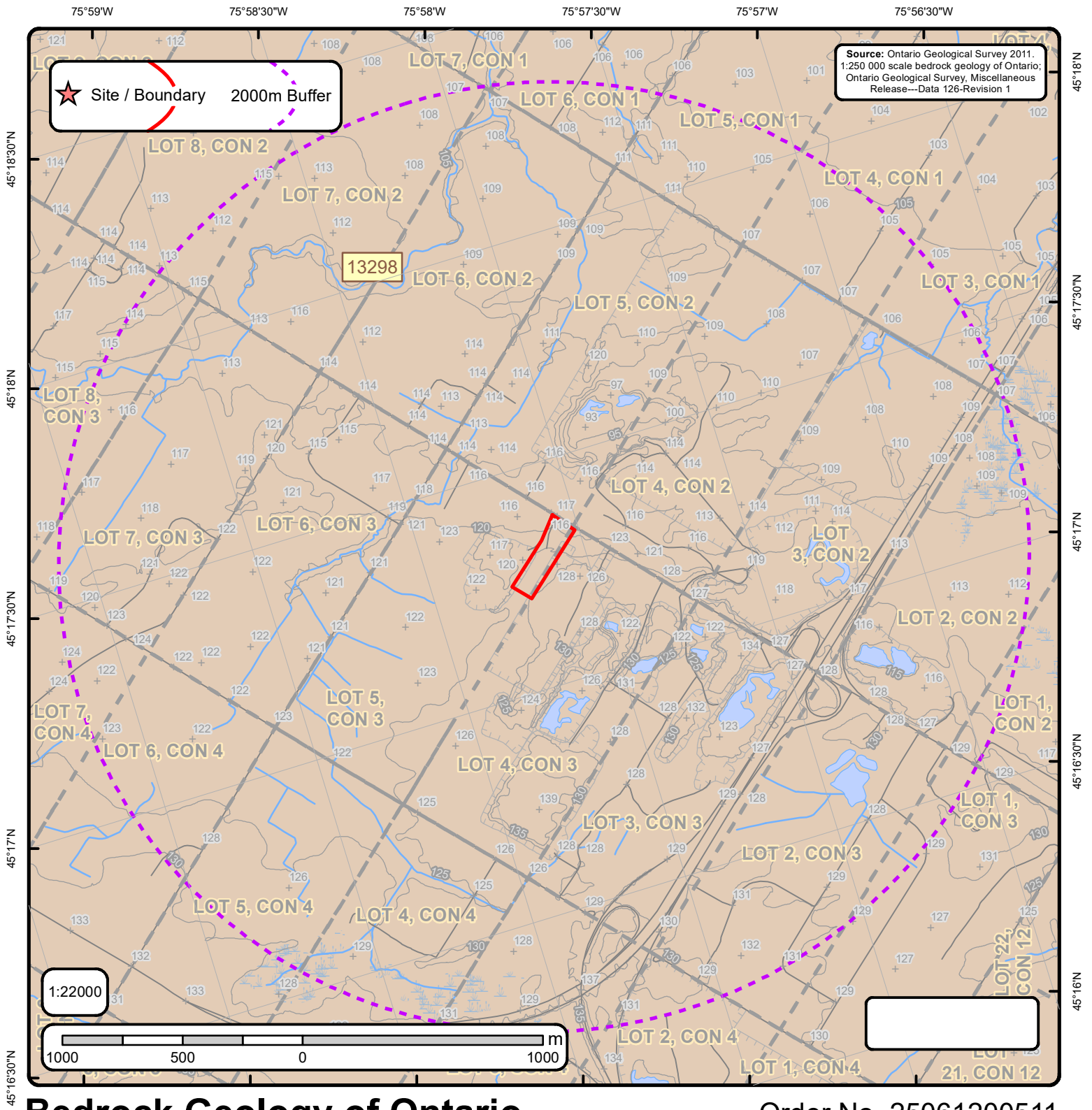
ANSI Report

ANSI Units Found within 2000 m of
2415 Carp Road

Page 1
Order No.
25061200511



No ANSI units found within search area.



Bedrock Geology of Ontario

Order No. 25061200511

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none">Spot HeightRoadsContour LinesStreamsRailroadsLotsPit or QuarryAirportsWaterbodyWetlands | Bedrock Geology Lines <ul style="list-style-type: none">CONTACT, GEOPHYSICAL, TREND, INTERPRETEDCONTACT, SHARP, TREND, INTERPRETEDCONTACT, SHARP, TREND, OBSERVEDFAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATIONFAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATIONFAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATIONFAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATIONFAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATIONFAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATIONFAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATIONFAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATIONNEATLINEONTARIO BORDERMarble, chert, iron formation, minor metavolcanic rocks | Dikes <ul style="list-style-type: none">Abitibi mafic dikeBiscotasing mafic dikeEmpey Lake mafic dikeFelsic to intermediate intrusive rocksFort Frances mafic dikeFrontenac mafic dikeGrenville mafic dikeLogan and Nipigon mafic sillsMackenzie mafic dikeMafic dikes of uncertain ageMafic sills and dikesMarathon mafic dikeMarathon, Kapuskasing or Biscotasing mafic dikeMatachewan mafic dikeMine Centre mafic dikeMolson mafic dikeNorth Channel mafic dikePickle Crow mafic dike (Molson swarm) normalPickle Crow mafic dike (Molson swarm) reverseRideau mafic dikeSudbury mafic dikeUltramafic, gabbroic and granophytic intrusionsUnsubdivided mafic dikeUnsubdivided mafic dike (Keweenaw age)unknown | C Lines <ul style="list-style-type: none">FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATIONFOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATIONFOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATIONFOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATIONFOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATIONFOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATIONFOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION |
|--|---|--|--|

Bedrock Geology Report

Bedrock Geology units found within 2000 m of
2415 Carp Road

Page 1
Order No.
25061200511



ID: 13298 | **Unit Name:** |

Type (All): 54a | **Type (Primary):** 54a | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Limestone, dolostone, shale, arkose, sandstone | **Strata (Primary):** Ottawa Group; Simcoe Group; Shadow Lake Formation | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN) | **Province (Primary):**

Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126
Revision1
ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

PRECAMBRIAN (0.542 Ga to <3.85 Ga)

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

MESOARCHEAN (2.8 Ga to 3.2 Ga)	MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)	EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)	NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)	PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)	MESOZOIC (65.5 Ma to 251.0 Ma)

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

LOWER ORDOVICIAN	UPPER SILURIAN
MIDDLE ORDOVICIAN	LOWER DEVONIAN
UPPER ORDOVICIAN	MIDDLE DEVONIAN
MIDDLE AND LOWER SILURIAN	UPPER DEVONIAN
UPPER SILURIAN TO LOWER DEVONIAN	LOWER CRETACEOUS AND MIDDLE JURASSIC

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE



CITY DIRECTORY

Project Property: *Phase I ESA - 2415 Carp Road
2415 Carp Road
Stittsville, ON K2S 1B3*

Project No: *PR03281*

Requested By: *BluMetric Environmental Inc.*

Order No: *25061200511*

Date Completed: *June 19, 2025*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

June 19, 2025
RE: CITY DIRECTORY RESEARCH
2415 Carp Road
Stittsville, ON K2S 1B3

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

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

Search Criteria:

2300-2440 of Carp Road

Search Notes:

Stittsville, Ontario is last listed in 1992.

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2024	DIGITAL BUSINESS DIRECTORY	
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2000	POLKS	
1997	POLKS	
1992	VERNONS	

Environmental Risk Information Services

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1.866.517.5204 | info@erisinfo.com | erisinfo.com

2300

CBM...READY-MIX CONCRETE

2300

KARSON AGGREGATES...WHOLESALE SAND AND GRAVEL

2300

KARSON KARTAGE...TRUCK SCALES

2397

PRINCE AUTO SALES...USED CAR DEALERS

2415

KLOZETS BY LAURYSSEN...CLOSET ACCESSORIES-MANUFACTURERS

2300

CBM...CEMENT-RETAIL

2300

CBM...CONCRETE-READY MIXED

2300

KARSON AGGREGATES...TOPSOIL

2300

KARSON AGGREGATES...SAND & GRAVEL (WHOLESALE)

2300

KARSON KARTAGE...TRUCK SCALES

2397

PRINCE AUTO SALES...AUTOMOBILE DEALERS-USED CARS

2415

KLOZETS BY LAURYSSEN...CLOSETS-DESIGNING & ORGANIZING

2415

KLOZETS BY LAURYSSEN...CLOSET ACCESSORIES-MANUFACTURERS

2300 CBM...CONCRETE MIXERS (WHLS)
2300 CBM...CEMENT-RETAIL
2300 KARSON AGGREGATES...TOPSOIL
2300 KARSON AGGREGATES...SAND & GRAVEL (WHLS)
2300 KARSON KARTAGE...TRUCK SCALES
2397 PRINCE AUTO SALES...AUTOMOBILE DEALERS-USED CARS
2415 KLOZETS BY LAURYSSEN...CLOSETS-DESIGNING & REMODELING

2300 CBM CANADA BUILDING MATERIAL...OTHER BUILDING MATERIAL DEALERS
2300 KARSON ASPHALT PAVING...HIGHWAY, STREET, & BRIDGE CONSTRUCTION
2300 KARSON GROUP...HOME CENTERS
2300 KARSON GROUP...MASONRY MATERIAL MERCHANT WHOLS
2301 WASTE MANAGEMENT CO...SOLID WASTE LANDFILL
2314 DUFFERIN CONSTRUCTION CO...HIGHWAY, STREET, & BRIDGE CONSTRUCTION
2326 CUMBERLAND READY MIX LTD...OTHER BUILDING MATERIAL DEALERS
2394 WEST CARLETON CONCRETE CORP...OTHER BUILDING MATERIAL DEALERS
2394 WEST CARLETON CONCRETE CORP...POURED CONCRETE STRUCTURE
CONTRS
2397 CAPITAL SERVICES INC...RESIDENTIAL REMODELERS
2397 CAPITAL SNOW BLOWING-LAWNCARE...LAWN & GROUNDS MAINTENANCE
2415 KLOZETS BY LAURYSSEN...OTHER HOUSEHOLD TEXTILE PROD MILLS
2415 KLOZETS BY LAURYSSEN...FINISH CARPENTRY CONTRS
2415 LAURYSSEN KITCHENS LTD...WOOD KITCHEN CABINET & COUNTERTOP MFG
2415 LAURYSSEN KITCHENS LTD...FINISH CARPENTRY CONTRS

2300 **CBM CANADA BUILDING MATERIAL...**...OTHER BUILDING MATERIAL DEALERS
2301 **WASTE MANAGEMENT CO.**...SOLID WASTE LANDFILL
2314 **DUFFERIN CONSTRUCTION CO.**...HIGHWAY, STREET, & BRIDGE CONSTRUCTION
2326 **AMS ENTERPRISES.**...POURED CONCRETE STRUCTURE CONTRS
2326 **CUMBERLAND READY MIX LTD.**...OTHER BUILDING MATERIAL DEALERS
2394 **WEST CARLETON CONCRETE CORP.**...OTHER BUILDING MATERIAL DEALERS
2397 **CAPITAL SLC INC.**...LAWN & GROUNDS MAINTENANCE
2415 **LAURYSSEN KITCHENS LTD.**...FINISH CARPENTRY CONTRS

CARP RD	Address	Phone	CARP RD	Address	Phone
1133	Marlin C.	831-6072	3304	VALLEY UTILITIES LTD.	
1145	Gendron M.	831-4950		Clarke Greg & Lynda	KOA 1LO 839-0062
1189	Perham Lester	836-7708	3382	Brodersen Karl	KOA 1LO 839-0841
1260	Quare D.	836-5544	3390	Barlon John A.	KOA 1LO 839-2886
1266	Latimer H.	831-4832	3398	Nash Brian	KOA 1LO 839-0468
	Mallory K.	831-9388	3406	Brown W.	KOA 1LO 839-0968
2002	Delarge B.	KOA 1LO 831-0919	3453	Bennett Stewart	KOA 1LO 839-2276
2016	St Aubin Peter	KOA 1LO 836-1149		Campeau A & N	KOA 1LO 839-3472
2017	Michell Lester F.	KOA 1LO 836-3129		Major J	KOA 1LO 839-1662
2026	Doran Dave	KOA 1LO 836-5090	3512	MAPLE HOLME KENNELS	KOA 1LO 839-5724
2038	Mellor R L.	KOA 1LO 836-1568		Caldwell Scott	KOA 1LO 839-2081
2046	Joy A.	KOA 1LO 836-3055	3529	Barry K.	KOA 1LO 839-2032
2047	Kondruss Joachim	KOA 1LO 836-4539		Dehaan William	KOA 1LO 839-5602
2054	Carroll Thomas	KOA 1LO 836-7327	3537	KETCH CONSTRUCTION INC.	
2057	Kondruss Peter	KOA 1LO 836-7265		Coady M.	KOA 1LO 839-2412
2060	Moore S L G.	KOA 1LO 831-7279	3543	Mc Callum D J.	KOA 1LO 839-5425
	MAC EWEN PETROLEUM INC.	KOA 1LO 836-8068	3547	Arkel R H.	KOA 1LO 839-3164
2076	Overholt J.	KOA 1LO 831-1973	3571	Shackleton John	KOA 1LO 839-2063
2082	Alexander H B.	KOA 1LO 836-2325	3599	Cox Allan	KOA 1LO 839-2171
2090	Cayer R.	KOA 1LO 836-7830	3603	Mc Clymont E.	KOA 1LO 839-2949
2125	Reed Bert	KOA 1LO 836-2096	3667	Gordon J.	KOA 1LO 839-2013
2143	APOS CONVENIENCE	KOA 1LO 831-1183	3673	Craig Benson	KOA 1LO 839-0440
2145	PETRO CANADA	KOA 1LO 831-1183	3679	PLUMBING VILLAGE	839-5550
2206	CAMERON BROTHERS WESCAR LTD.	KOA 1LO 836-2607		Arkel Keith	839-2124
	ALLAN MC COY LANDSCAPING & MAINTENANCE LTD.	KOA 1LO 831-0303	3698	Clark Ian P.	839-0993
2383	MC COY CARPENTRY & CONSTRUCTION LTD.	KOA 1LO 831-0303		Pilon M.	839-1471
	Foran Kim	KOA 1LO 836-6174	3700	Holland R P.	839-3353
2389	Buckin Leonard	KOA 1LO 836-2379		KEN WHITE CONSTRUCTION LTD.	
2394	WEST CARLETON CONCRETE CORP.	KOA 1LO 831-7046	3709	Beaubien A.	839-5460
2406	Scharle G.	KOA 1LO 839-2519	3710	Labelle M.	839-1863
2437	Kolar Dan	KOA 1LO 836-1609	3711	CARP VALLEY FLOWERS AND GIFTS	839-2095
2485	Marshall Gary & Karen	KOA 1LO 836-2331	3713	Marlin R G.	839-7673
2491	Pre-Fab Gilles Barrette	KOA 1LO 831-1294	3715	Armstrong Milton	839-3446
2568	D & R PROMOTIONS STORAGE SYSTEMS	KOA 1LO 831-6464	3719	Armstrong Bryan & Roxanne	839-2960
	ROWE WAYNE CLASSIC CARS & PARTS	KOA 1LO 826-2937	3722	Armstrong Graham	839-2056
	Andersson J R.	KOA 1LO 831-0705	3725	KARSON KARTAGE & KONSTRUCTION	839-2816
2584	KANATA DOMESTIC SERVICES	KOA 1LO 836-6379		Chapman J A.	839-5556
	Mc Clymont D.	KOA 1LO 836-6379	3729	Clarke Mary	839-3830
2590	Rump H & G	KOA 1LO 836-7523		Mc Lellan Donna	839-1222
	St Sirosky R.	KOA 1LO 836-1485	3731	CANADA POST POSTES CANADA	839-0191
2591	Grand Illusions Rump Edward	KOA 1LO 831-1699	3733	Karson B.	839-5303
2600	Gracey Arnold	KOA 1LO 836-1248	3739	WEST CARLETON CHILD CARE RESOURCES	839-3168
2612	Holmes W A.	KOA 1LO 836-2191		WEST CARLETON EMERGENCY FOOD AID	839-5608
2625	Cavanagh Charles	KOA 1LO 836-1017	3740	ROOSTER ROADHOUSE	839-5685
2657	James Robb	KOA 1LO 831-4774	3744	Dowling J.	839-1091
2726	REIS BUSINESS PARK	KOA 1LO 836-7955		Dowling Jim R.	839-2490
2727	Craig Wanda	KOA 1LO 831-8113	3754	Grant Clare	839-3942
2739	Richard J.	KOA 1LO 836-7376	3759	VILLAGE SOAURE ART GALLERY	839-5400
2755	GEORGE'S SERVICE CENTRE	KOA 1LO 831-2255	3760	ST PAUL'S UNITED CHURCH	839-2155
2770	George Randy	KOA 1LO 836-1746	3763	COUNTRYSIDE GIFT & CANDY SHOP	839-0160
2775	Cox Norman	KOA 1LO 836-2221		Mooney J.	839-1270
2797	Clouthier E.	KOA 1LO 836-1156	3768	Overton Ainslie	839-1722
2822	Bouchard Chaimane	KOA 1LO 831-3224	3769	Roy M.	839-1714
2848	CARP ROAD COLLISION APPRSL CNTR AUTO SALES & LTD.	KOA 1LO 831-1174	3774	CARP CO-OPERATIVE NURSERY SCHOOL	839-3416
	Juratovac John	KOA 1LO 831-1174		HUNTLEY ANGELICAN PARISH	839-3195
2853	Higerty B J.	KOA 1LO 836-3048	3775	Murray Stewart	839-4306
2857	Storey John R.	KOA 1LO 836-4446	3789	Brown V.	
2876	Downey Philip B.	KOA 1LO 836-1586		AGRICULTURAL SOCIETY	839-2172
2914	Armstrong Bill	KOA 1LO 836-1152	3791	Wakeman C.	839-2034
2932	Loates Walter	KOA 1LO 836-2387	3795	Mc Carthy Jean	839-3223
2962	KIRKSTONE HOUSE	KOA 1LO 831-8805		Moore S R L.	839-0648
	Hargrave R A.	KOA 1LO 831-8805	3801	Lara Darci & Milton	839-4305
	Telf C.	KOA 1LO 831-8805	3803	Granger E & J.	839-0514
2966	Lafleche Joe	KOA 1LO 836-4671	3805	Caldwell L.	839-2787
2991	Boote P.	KOA 1LO 836-5774	3807	Levi-Woods C & T	KOA 1LO 839-4622
3012	Hamilton M.	KOA 1LO 839-4359		Woods G & T	KOA 1LO 839-0542
3037	Geddes Lorne	KOA 1LO 839-1538	3813	Bishop D.	KOA 1LO 839-2053
3042	Geddes F W.	KOA 1LO 839-3185	3817	Buchanan H.	KOA 1LO 839-1450
3048	Ang David	KOA 1LO 839-5771	3819	Lett Doris	KOA 1LO 839-2926
3047	Filoso Tony	KOA 1LO 839-5872	3821	Lett W L.	KOA 1LO 839-2667
3056	Willis Tim	KOA 1LO 839-3225	3831	Ehl Karl	KOA 1LO 839-3180
3060	Weedmark Allen	KOA 1LO 839-5324	3832	WEST CARLETON AMATEUR SPORTS CLUB	KOA 1LO 839-0352
3070	WEEDMARK SERVICE CENTRE	KOA 1LO 839-2979		WEST CARLETON MINOR HOCKEY ASSOCIATION	KOA 1LO 839-0791
3075	BIT-TA-LUX FARMS & TRANSPORT	KOA 1LO 839-5775		WEST CARLETON W ERSKINE JOHNSTON ARENA	KOA 1LO 839-3000
	ROSS DAVID & GORDON BIT-TA-LUX FARMS & TRANSPORT	KOA 1LO 839-5775	3835	Lucas Graham	KOA 1LO 839-3292
3093	Mc Keigan Karen	KOA 1LO 839-5800	3838	Slevens R & G	KOA 1LO 839-0863
3107	Whyte Allan S.	KOA 1LO 839-3268	3841	Armstrong Allan	KOA 1LO 839-2092
3108	WESA-WATER & EARTH SCIENCE ASSOCIATES LTD.	KOA 1LO 839-5842	3842	Morris Gerald	KOA 1LO 839-2047
	O'Connor Deville	KOA 1LO 839-2805	3843	Graham H.	KOA 1LO 839-3395
3116	Weeks Robert W.	KOA 1LO 839-2805	3849	Mooney Allan	KOA 1LO 839-1945
3140	CEDAR ROOF OTTAWA LTD.	KOA 1LO 839-1111	3850	Deugo Larry	KOA 1LO 839-2746
	D A C INTERNATIONAL INC.	KOA 1LO 839-0888	3853	Stringer B A.	KOA 1LO 839-2643
3145	Burke Bruce	KOA 1LO 839-5503	3854	Moore Heather & Dave	KOA 1LO 839-1318
3186	THOMSON J & J SUPPLY LTD.	KOA 1LO 839-2828	3860	Brown Ross	KOA 1LO 839-2676
3248	IRISH HILLS GOLF & COUNTRY CLUB	KOA 1LO 839-4653	3861	Latimer J H.	KOA 1LO 839-3188
3257	KANATA FLIGHT CENTRE INC.	KOA 1LO 839-0979	3864	Murray Steve & Judy	KOA 1LO 839-1013
	Drew R K.	KOA 1LO 839-2636	3870	Demers Michael E.	KOA 1LO 839-3962
3296	FRASER BARRY GROWERS LTD.	KOA 1LO 839-2702	3871	Nunn K W.	KOA 1LO 839-2756
3320	CARLETON GROWERS LTD.	KOA 1LO 839-2989	3874	Carruthers Richard	KOA 1LO 839-2889
	Bazinet R.	KOA 1LO 839-3057	3879	Mc Crae Norman H.	
3328	Hogg Fred	KOA 1LO 839-5411	3885	LANGFORD FISH & WILDLIFE ECOSYSTEM MANAGEMENT	KOA 1LO 839-4334
				Langford Colin	KOA 1LO 839-1596
				Clayson David B.	KOA 1LO 839-2947
				Skinner D J.	KOA 1LO 839-3473
				Mc Dougal James	KOA 1LO 839-3088
				INSTITUTE OF PAINTING & DECORATING	KOA 1LO 839-1565
				DIFFENBUNKER CANADA'S COLD WAR MUSEUM	KOA 1LO 839-0007

CAROUSEL CRT

Address	cont'd	Phone
1910 Parol R.	K1T 2N4	733-4414
1009 Campbell M	K1T 2N4	731-0346
1002 Cartwright-King M	K1T 2N4	731-5874
1008 Finnie Blake	K1T 2N4	731-4948
1011 Jones W O	K1T 2N4	739-7101
1003 Russell D M	K1T 2N4	739-7542
1103 CEARNS CLIFF & BIRDIE	K1T 2N4	729-1547
1101 Haddad J.	K1T 2N4	731-6871
1111 Lau J.	K1T 2N4	521-2486
1105 Wellwood K.	K1T 2N4	526-0729
1205 Brerley R G	K1T 2N4	521-6965
1203 Lang N R.	K1T 2N4	737-5201
1202 Mansour Hassan	K1T 2N4	736-8558
1208 Skull John A	K1T 2N4	523-2397
1209 Smith Victor E	K1T 2N4	521-2021
1402 Deadman B	K1T 2N4	738-1027
1407 Le Blanc A L	K1T 2N4	521-5756
1411 Lo Michael	K1T 2N4	526-5342
1505 Asistores M.	K1T 2N4	736-7744
1508 Jolly Shinder	K1T 2N4	731-1692
1503 Sheefer H	K1T 2N4	731-5872
1610 Holden Jack G	K1T 2N4	521-7821
1604 Van Elmond	K1T 2N4	521-4311
1711 Aboushaaban M	K1T 2N4	247-7697
1707 Murad Elias	K1T 2N4	247-0241
1803 Easay A R.	K1T 2N4	733-2562
1809 Kilbride D A	K1T 2N4	521-8598
1805 Ng K.	K1T 2N4	736-5989
1801 Schryer W	K1T 2N4	521-4846
32759 Cowan C J		733-5537

BUSINESSES 3

HOUSEHOLDS 468

CARP RD (C)

Address	cont'd	Phone
WEST CARLETON DRUG MART	KOA 1L0	839-3133
271 Whyte Geo	KOA 1L0	836-2850
2002 Delarge B	KOA 1L0	831-0819
2006 Cameron Carmen	KOA 1L0	836-2607
2007 Donnelly Brian	KOA 1L0	831-1238
2016 St Aubin Peter	KOA 1L0	836-4149
2017 Perham Peter	KOA 1L0	836-3129
2021 CRAIG BURNER SERVICE LTD	KOA 1L0	831-0758
2026 Mitchell Lester F	KOA 1L0	836-2563
2029 Killen Stephen	KOA 1L0	836-1392
2033 Greydanus C & E.	KOA 1L0	836-2374
2034 Doran Dave	KOA 1L0	836-5090
2038 McNeil R L	KOA 1L0	836-1568
2043 CCC TIP LIMOUSINE SERVICE	KOA 1L0	831-1603
TIP LIMOUSINE SERVICE	KOA 1L0	831-1603
TOOMEY PHOTOGRAPHY	KOA 1L0	831-1603
Toomey Tom	KOA 1L0	831-2772
2046 Joy A	KOA 1L0	836-3065
2047 Kondrus Joachim	KOA 1L0	836-4539
2054 Carroll Thomas	KOA 1L0	836-7927
2057 Kondrus Peter	KOA 1L0	836-7265
2060 Moore S L G	KOA 1L0	831-7279
2070 Monette Charlie	KOA 1L0	831-0359
2076 Richardson T	KOA 1L0	836-4934
2082 Alexander H B	KOA 1L0	836-2325
2090 Cayer R	KOA 1L0	836-7830
2125 Reed Bert	KOA 1L0	836-2096
2129 Mc Gibbon J A	KOA 1L0	836-6208
2143 APOS CONVENIENCE	KOA 1L0	831-1183
2145 PETRO-CANADA CAMERON BROTHERS	KOA 1L0	831-1183
2206 WESCAR LTD	KOA 1L0	836-2607
2300 YOUNG'S PAVING INC	KOA 1L0	831-4511
2308 Buchanan H	KOA 1L0	836-3621
2353 Joiner Chuck	KOA 1L0	831-7003
2357 Monfilis D S	KOA 1L0	831-6301
2363 Murray C M	KOA 1L0	831-0325
2363 ALLAN MCCOY LANDSCAPING & MAINTENANCE LTD	KOA 1L0	831-0303
MC COY CARPENTRY & CONSTRUCTION LTD	KOA 1L0	831-0303
Foran Kim	KOA 1L0	836-6174
2389 Baskin Leonard	KOA 1L0	836-2379
2393 Meilleur John	KOA 1L0	836-7056
2394 WEST CARLETON CONCRETE CORP	KOA 1L0	831-7046
2397 RICK DREW MOTOR SALES	KOA 1L0	831-2238
2408 Scharle G	KOA 1L0	831-4398
2425 Mulligan Sterling	KOA 1L0	831-4949
2437 Kolar Dan	KOA 1L0	839-2519
2485 Marshall Gary & Karen	KOA 1L0	836-1100
2491 Pre-Fab Gilles Barrette	KOA 1L0	836-1609
2564 Mc Clymont-Eaton D	KOA 1L0	831-1294
2568 D C R PROMOTIONS MINI MOBILE STORAGE SYSTEMS	KOA 1L0	831-8148
ROWE WAYNE CLASSIC CARS & PARTS	KOA 1L0	836-2967

CARP RD

Address	cont'd	Phone
Andersson J R	KOA 1L0	831-0705
Wilts J	KOA 1L0	836-7487
2584 Holder K	KOA 1L0	831-4192
Mc Clymont D	KOA 1L0	836-8370
2586 STUBER SATELLITE COMMUNICATIONS	KOA 1L0	831-3118
Stewart J	KOA 1L0	836-7071
2590 Bowden T	KOA 1L0	831-4401
Rump H & G	KOA 1L0	836-7923
2591 SIROSKY R	KOA 1L0	836-1485
2600 GRAND ILLUSIONS	KOA 1L0	831-1699
Rump Edward	KOA 1L0	836-1248
2602 Holmes W A	KOA 1L0	836-2191
2625 Cavanagh Cecil	KOA 1L0	836-1017
2642 Prudhomme M	KOA 1L0	831-0976
2667 Holmes Robert	KOA 1L0	831-4774
2676 Gagne M	KOA 1L0	836-1742
2726 REIS BUSINESS PARK	KOA 1L0	836-7955
REIS H J INTERNATIONAL LTD	KOA 1L0	836-3033
2727 Craig David Allen	KOA 1L0	831-8113
2730 Richard J	KOA 1L0	836-7376
2770 Rowbotham Eric	KOA 1L0	836-1746
2775 Cox Norman	KOA 1L0	836-2221
2793 B N H MACHINE SHOP SERVICE	KOA 1L0	831-0519
2797 Clouthier E L	KOA 1L0	836-1196
2822 Dayne R M	KOA 1L0	831-4594
2826 Murray Brian W	KOA 1L0	836-1823
2848 CARP AUTOMOTIVE REPAIR SERVICE	KOA 1L0	836-6678
CARP ROAD AUTO SALES	KOA 1L0	831-4631
CARP ROAD COLLISION APPRAISAL CNTR AUTO SALES & S	KOA 1L0	831-1174
Juratovac John	KOA 1L0	831-1174
Juratovac John	KOA 1L0	831-7296
Higginby B J	KOA 1L0	836-3048
2857 Storey John R	KOA 1L0	836-4448
2876 Downey Philip B	KOA 1L0	836-1586
2877 Irwin D H	KOA 1L0	831-0163
2932 Loates Walter	KOA 1L0	836-4752
2962 HARGRAVE R A & ASSOC	KOA 1L0	831-8805
KIRKPATRICK HOUSE	KOA 1L0	831-8805
OLD BOOK CELLAR	KOA 1L0	831-3173
Hargrave R A	KOA 1L0	831-8805
Toti C	KOA 1L0	831-8805
2966 Lafleche Joe	KOA 1L0	836-4671
3012 Moriarty J G	KOA 1L0	839-0053
3019 Elmanski D	KOA 1L0	839-0053
3037 Geddes E W	KOA 1L0	839-3185
3038 Sarazin P	KOA 1L0	839-1747
3042 Graham Russell	KOA 1L0	839-5243
3046 Airey Martin	KOA 1L0	839-1943
3047 Filoso Tony	KOA 1L0	839-5872
3056 Filoso Tom	KOA 1L0	839-2225
3060 Weedmark Alton	KOA 1L0	839-5324
3070 WEEDMARK SERVICE CENTRE	KOA 1L0	839-2079
3075 BIT-TA-LUK FARMS & TRANSPORT	KOA 1L0	839-5775
ROSS DAVID & GORDON BIT-TA-LUK FARMS & TRANSPORT	KOA 1L0	839-5775
2933 Meilleur John	KOA 1L0	836-7056
2413 Koch Heinz	KOA 1L0	831-8260
2425 Mulligan Sterling	KOA 1L0	836-1100
2437 Laghaee Ali	KOA 1L0	831-0542
2485 Marshall Gary & Karen	KOA 1L0	836-2331
2535 Cowan Howard	KOA 1L0	836-2287
2568 D&R Promotions	KOA 1L0	836-2997
2568 Mini Mobile Storage Systems	KOA 1L0	831-4664
2568 Rowe Wayne Classic Cars & Parts	KOA 1L0	836-2997
2584 Kanata Domestic Services	KOA 1L0	836-6379
2584 Mc Clymont A	KOA 1L0	836-1674
2584 McClymont-Eaton D	KOA 1L0	831-8148
2584 McClymont D	KOA 1L0	836-6379
2584 Tidy House	KOA 1L0	836-6379
2586 Stuber Satellite TV Systems	KOA 1L0	831-3118
2591 Rump Edward	KOA 1L0	831-8968
2600 Henry J	KOA 1L0	836-3634
2612 Holmes W A	KOA 1L0	836-2191
2625 Cavanagh Cecil	KOA 1L0	836-1017
2642 Titus P	KOA 1L0	831-0976
2667 Fisher J	KOA 1L0	836-5570
2676 Legg Robt	KOA 1L0	836-2987
2710 Whyte Geo	KOA 1L0	836-2850
2726 Reis Business Park	KOA 1L0	836-7955
2726 REIS H J INTERNATIONAL LTD	KOA 1L0	836-3033
2727 Craig David Allen	KOA 1L0	831-8113
2739 Snuggs J	KOA 1L0	836-5679
2755 LAB-BART TREE MOVERS LTD	KOA 1L0	836-7833
2755 PATHFINDER MAPS	KOA 1L0	836-7832
2770 Rowbotham Eric	KOA 1L0	836-1746
2775 Cox Norman	KOA 1L0	836-2221
2797 Clouthier E L	KOA 1L0	836-1196
2826 Murray Brian W	KOA 1L0	836-1823
2848 Juratovac John	KOA 1L0	831-1174
2853 Higginby B J	KOA 1L0	836-3048
2857 Storey John R	KOA 1L0	836-4446
2876 Downey Philip B	KOA 1L0	836-1586
2877 Irwin D H	KOA 1L0	831-0163
2932 Loates Walter	KOA 1L0	836-2387
2962 Lafleche Joe	KOA 1L0	831-3379
2991 Downey Cosmo	KOA 1L0	836-1269
3012 Smith E	KOA 1L0	839-2820
3019 Buffam B E	KOA 1L0	839-2920
3037 Geddes E W	KOA 1L0	839-3185
3038 Sarazin P A	KOA 1L0	839-1747
3042 Graham Russell	KOA 1L0	839-5243
3046 Airey Martin	KOA 1L0	839-1943
3047 Filoso Tony	KOA 1L0	839-5872

CARP —Continued— Suite

Tubman-Kennedy Funeral Home	722-6559
U&M Home Improvements	839-2236
VALLEY DRILLING	831-0545
West Carleton Municipal	
Whiting P	839-5431
107 Gurney Arthur Edward	839-5632
Freelord Burke	831-1257

RR2 AIRPORT

BRADLEY AIR SERVICES LTD	839-3340
BRADLEY AIR SERVICES LTD	
INSTRUMENT SHOP	839-5407
Huison Aviation Ltd	839-5868
WESTAIR AVIATION	839-5431

CARP PLAZA (CARP)

WEST CARLETON DRUG MART	839-3133
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CARP RD (CARP)

Alexander Publishing Limited	839-2466
Bartley J	836-2119
Hannam V	839-3670
Kirby Ralph	839-3324
1268 Ullett L	836-3291
2002 Delarge B	831-0819
2006 Cameron Brothers Wescar Ltd	
Cameron Carmen	836-2607
Dunnigan Michael	831-6129
2016 St Aubin Peter	836-4149
2017 Perham Peter	836-3129
2021 CRAIG BURNER SERVICE	831-0758
2022 Payne Lloyd	836-5234
2026 Mitchell Lester F	836-2563
2029 Killen Stephen	836-1392
2033 Caseley Bonita	831-3454
2034 Doran Dave	836-5090
2038 Talbot Eric	831-3255
2043 Barr S A	831-8667
2043 Gracey E A	836-1248
2046 Joy A	836-3055
2047 Kondrus Joachim	836-4539
2054 Carroll Thomas	836-7927
2057 Kondrus Peter	836-7265
2060 Moore S L G	836-7279
2070 Monette Charlie	831-0359
2079 B&J SANITATION	

PRODUCTS 831-1343

2079 MCCORMACK ENTERPRISES LTD	831-1342
2079 1 Silver Threads Clothing	831-1349
2082 Alexander Lloyd	836-2325
2090 Hamilton W J	836-4471
2125 Reed Bert	836-2096
2129 McGibbon J A	836-6288
2133 Corr J Jr	836-3842
2133 Drew Darrell	836-3842
2143 Anaire International Limited	831-1183
2206 Cameron Brothers Wescar Ltd	836-2607
2282 Denison S	831-4097
2282 Mulvihill N	831-4097
2308 Buchanan H	836-3621
2353 Cameron C&A	831-2673
2357 Monfilis D S	836-7291
2389 Baskin Leonard	836-2379
2393 Meilleur C L	831-3613
2393 Meilleur John	836-7056
2413 Koch Heinz	831-8260
2425 Mulligan Sterling	836-1100
2437 Laghaee Ali	831-0542
2485 Marshall Gary & Karen	836-2331
2535 Cowan Howard	836-2287
2568 D&R Promotions	836-2997
2568 Mini Mobile Storage Systems	831-4664

2568 Rowe Wayne Classic Cars & Parts	836-2997
2584 Kanata Domestic Services	836-6379
2584 Mc Clymont A	836-1674
2584 McClymont-Eaton D	831-8148
2584 McClymont D	836-6379
2584 Tidy House	836-6379
2586 Stuber Satellite TV Systems	831-3118
2591 Rump Edward	831-8968
2600 Henry J	836-3634
2612 Holmes W A	836-2191
2625 Cavanagh Cecil	836-1017
2642 Titus P	831-0976
2667 Fisher J	836-5570
2676 Legg Robt	836-2987
2710 Whyte Geo	836-2850
2726 Reis Business Park	836-7955
2726 REIS H J INTERNATIONAL LTD	836-3033
2727 Craig David Allen	831-8113
2739 Snuggs J	836-5679
2755 LAB-BART TREE MOVERS LTD	836-7833

2755 PATHFINDER MAPS	836-7832
2770 Rowbotham Eric	836-1746
2775 Cox Norman	836-2221
2797 Clouthier E L	836-1196
2826 Murray Brian W	836-1823
2848 Juratovac John	831-1174
2853 Higginby B J	836-3048
2857 Storey John R	836-4446
2876 Downey Philip B	836-1586
2877 Irwin D H	831-0163
2932 Loates Walter	836-2387
2962 Lafleche Joe	831-3379
2991 Downey Cosmo	836-1269
3012 Smith E	839-2820
3019 Buffam B E	839-2920
3037 Geddes E W	839-3185
3038 Sarazin P A	839-1747
3042 Graham Russell	839-5243
3046 Airey Martin	839-1943
3047 Filoso Tony	839-5872

Continued - Suite

CARP RD —Continued— Suite

3056	Sarazin J	839-1793
3060	Weedmark Alton	839-5324
3070	WEEDMARK SERVICE CENTRE	839-2979
3075	Bit-Ta-Luk Farms& Transport	839-5775
3075	Ross D	839-2885
3075	Ross David	839-5775
3075	ROSS DAVID&GORDON BIT-TA-LUK-FARMS&TRANSPORT	839-5775
3107	Whyte Allan S	839-3268
3108	BAIRD BRUCE CONSTRUCTION LTD	839-2898
3108	Water &Earth Sciences Associates Ltd	839-3053
3116	Weeks Robert W	839-2805
3123	CARP RIDGE FURNITURE COMPANY LIMITED (THE)	839-1883
3123	Europack The International Movers Inc	839-1902
3124	Cedar Warehouse	839-2766
3140	CEDAR ROOF OTTAWA LTD	839-1111
3140	Durksen Roofing	839-1111
3140	Kanata Select	839-2768
3145	Burke Bruce	839-5603
3186	THOMSON J&J SUPPLY LTD	839-2828
3296	Fraser Barry	839-2702
3320	Bazinnet R	839-3057
3320	Carleton Growers Ltd	839-2989
3328	Hog Fred	839-5411
3358	Plumbing Village	839-5550
3364	Malcom Brad	839-2749
3382	Brodersen Carl	839-2886
3390	Boyd Terry	839-2300
3398	Falls John	839-2144
3406	Brown W	839-2276
3436	Falls Lorne	839-2045
3453	Bennett Stewart	839-3472
3453	3 White R	839-1816
3512	Caldwell R A	839-5724
3512	Caldwell Scott	839-2081
3529	Lavigne Maurice	839-2815
3537	Coady M	839-2412
3537	Coady M	839-5435
3537	Wilson T	839-3325
3543	McCallum D J	839-3164
3547	Arkell R H	839-2063
3571	Shackleton John	839-2171
3599	Cox Allan	839-2949
3603	McClymont E	839-2013
3629	Arkell M M	839-2966
3667	Gordon E B	839-2050
3673	Craig Benson	839-2006
3679	Arkell Keith	839-2124
3698	Power Leo	839-1792
3698	2 Payeur J	839-1854
3707	WHITE KENNETH CONSTRUCTION LIMITED	839-5460
3709	Beaubien A	839-1863
3710	Labelle M	839-3206
3710	LIBRA CONTRACTING INC	839-3206
3711	McBride Harry	839-2017
3713	Martin R G	839-3446
3715	Armstrong Milton	839-2980
3719	Langstaff C H	839-2875
3722	Armstrong Graham	839-2064
3725	KARSON KARTAGE& KONSTRUCTION LTD	839-2816
3727	Chapman J A	839-5556
3729	Short Ted	839-5808
3729	1a Boyd D	839-1608
3729	1b McGarry Daniel K	839-3241
3733	Karson B	839-3168
3740	CHUCKLES ROADHOUSE	839-2714
3744	Davies B	839-2654
3744	Davies Jim	839-5213
3754	Grant Claire	839-5477
3763	Baggs W	839-1602
3768	Harding K	839-1874
3768	Roper Andy	839-1874
3774	Bsmt. Carp Co-Operative Nursery School	839-3416
3774	Hurley Anglican Parish	839-3195
3775	Murray Stewart Rev	839-3216
3785	Szabo Elmer J	839-5290
3790	Carp Agricultural Society	839-2172
3793	Seabrook Ken	839-5819
3797	MacQuatt Leonard	839-2981
3801	McCallium Maurice J	839-2021
3803	O'Connor Tom	839-2565
3805	Pike G L	839-1795
3806	Hurley Curling Club	839-3177
3807	Legault Paul M J	839-5874
3813	Bishop D	839-2053
3817	Schulz Erwin	839-5863
3817	Lett Doris Mrs	839-2926
3821	Fyckes Morris	839-2667
3831	Enri Karl	839-3180
3832	WEST CARLETON W ERSKINE JOHNSTON ARENA	839-3000
3835	Lucas Graham	839-3292
3838	Moore Robert W	839-2078
3841	Armstrong Allan	839-2092
3842	Morris Gerald	839-2047
3843	Graham H	839-5593
3849	Mooney Allan	839-3395
3850	Armstrong Claude	839-2043
3853	Stringer B A	839-3211
3854	Baird Dalton	839-2153
3860	Brown Ross	839-2876
3861	Latimer J H	839-3188
3864	Manson W D	839-2199
3870	Dear J	839-2487
3871	Nark James K	839-2251
3874	Caruthers Richard	839-2756
3879	McCrae Norman H	839-2889
3880	Armstrong Horace	839-5557
3885	Daykin C E Dr	839-3119
3886	Clayson David B	839-2947



Enviroscan Report

Site address: 2413 & 2415 Carp Road, Carp, Stittsville, ON

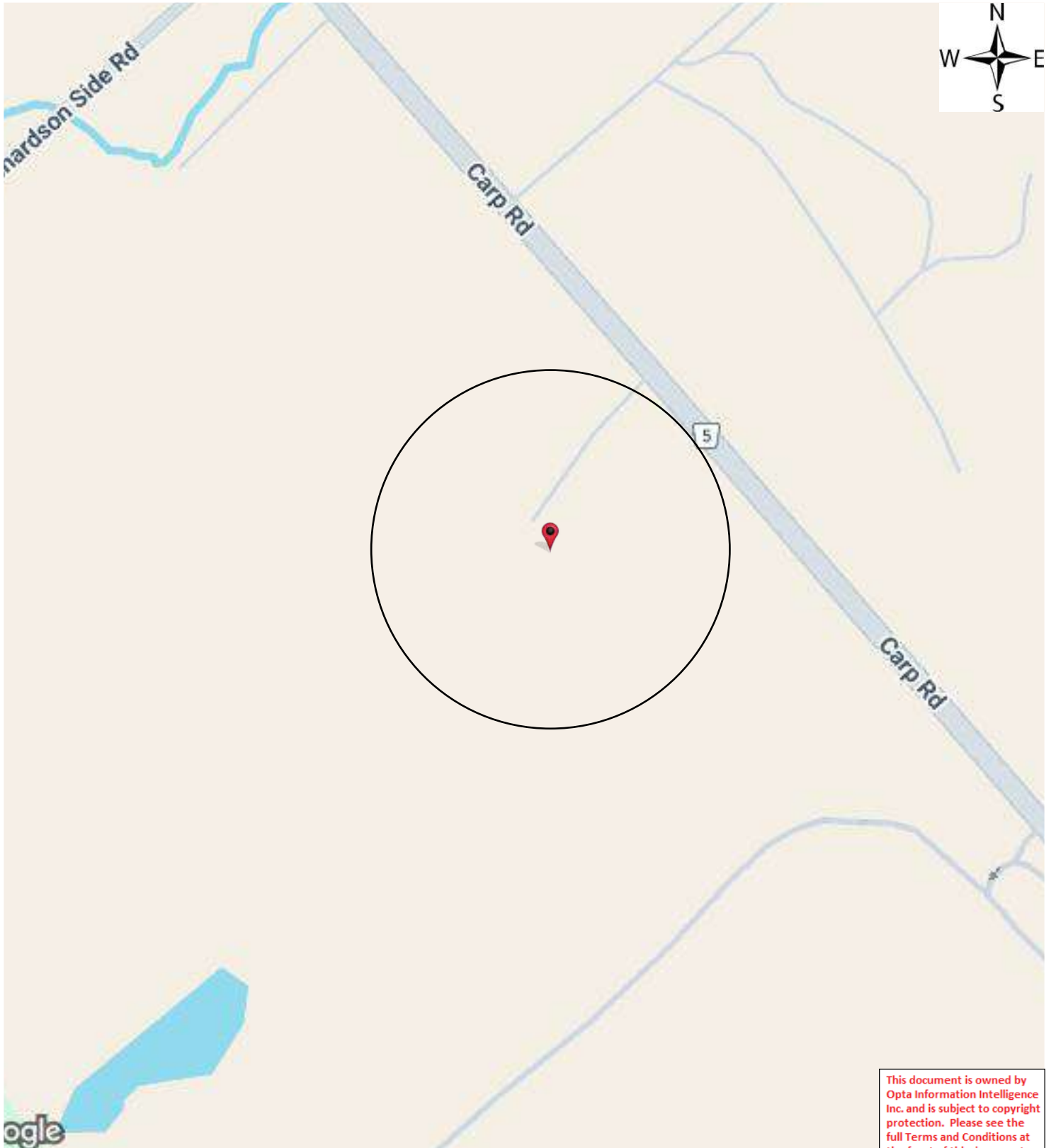
Project #: 25061200511

P.O. #: 161259

Requested by: Eleanor Goolab

Date Completed: 6/19/2025 1:00:10 PM

Search Area: 2413 & 2415 Carp Road, Carp, Stittsville, ON



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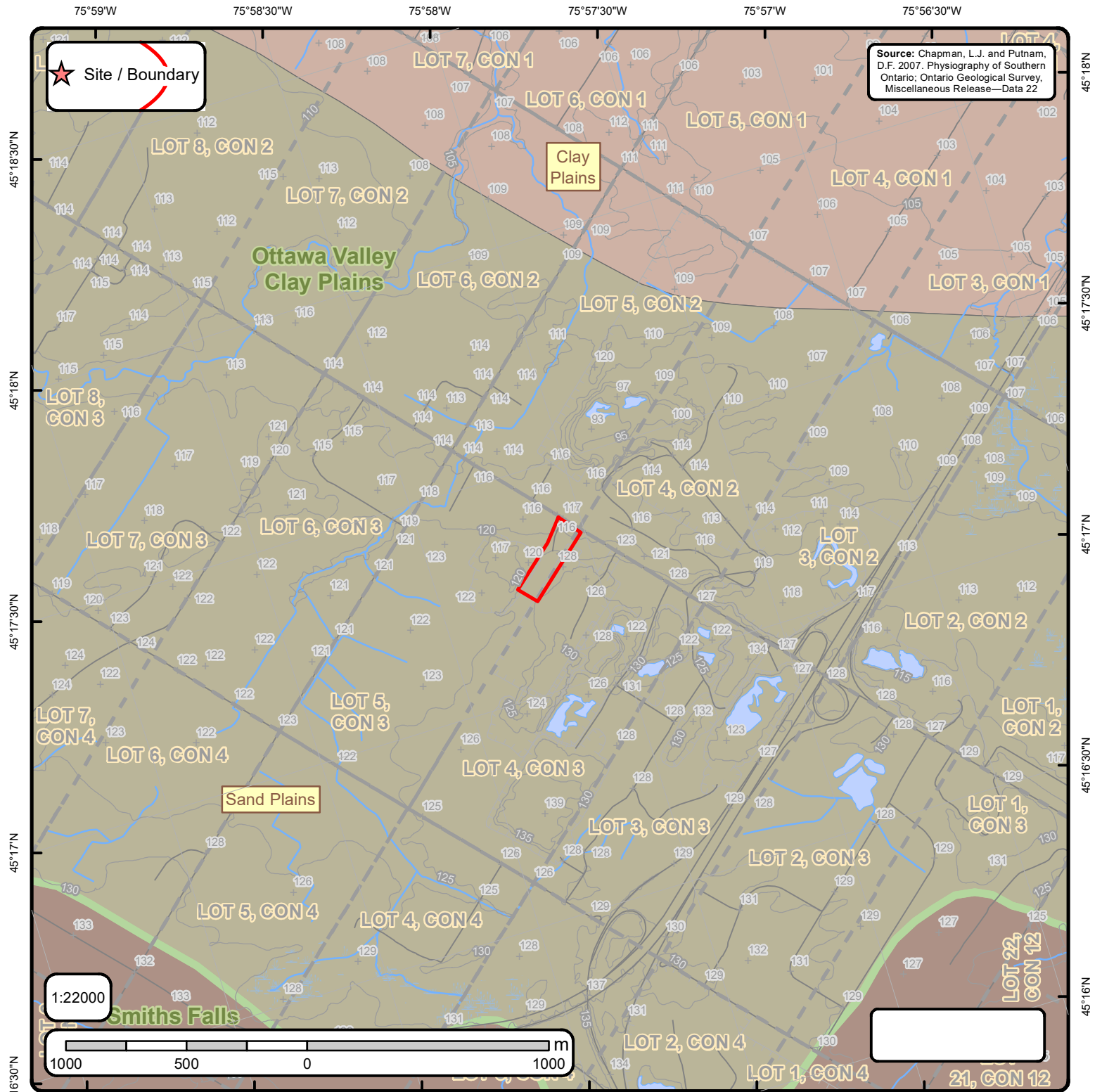
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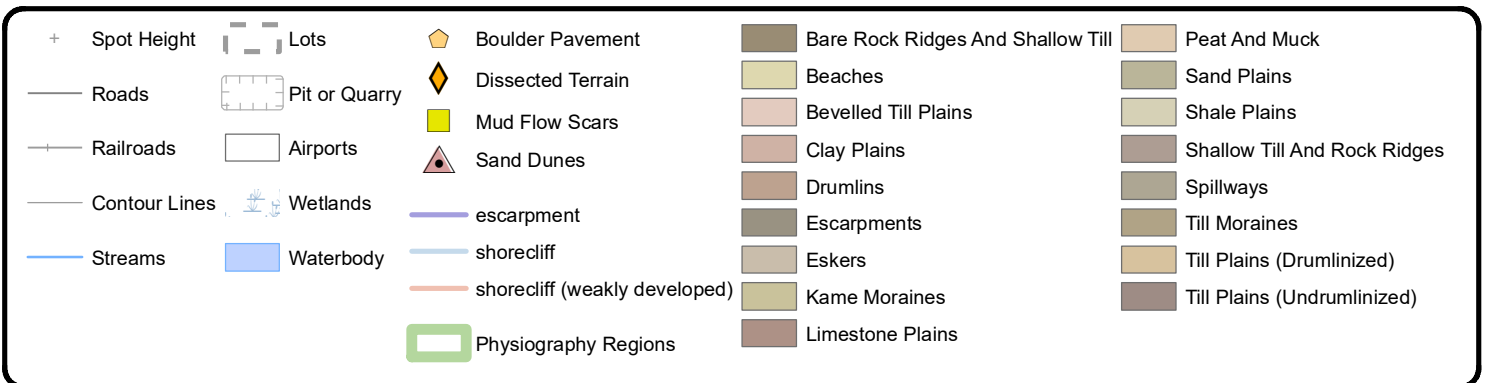
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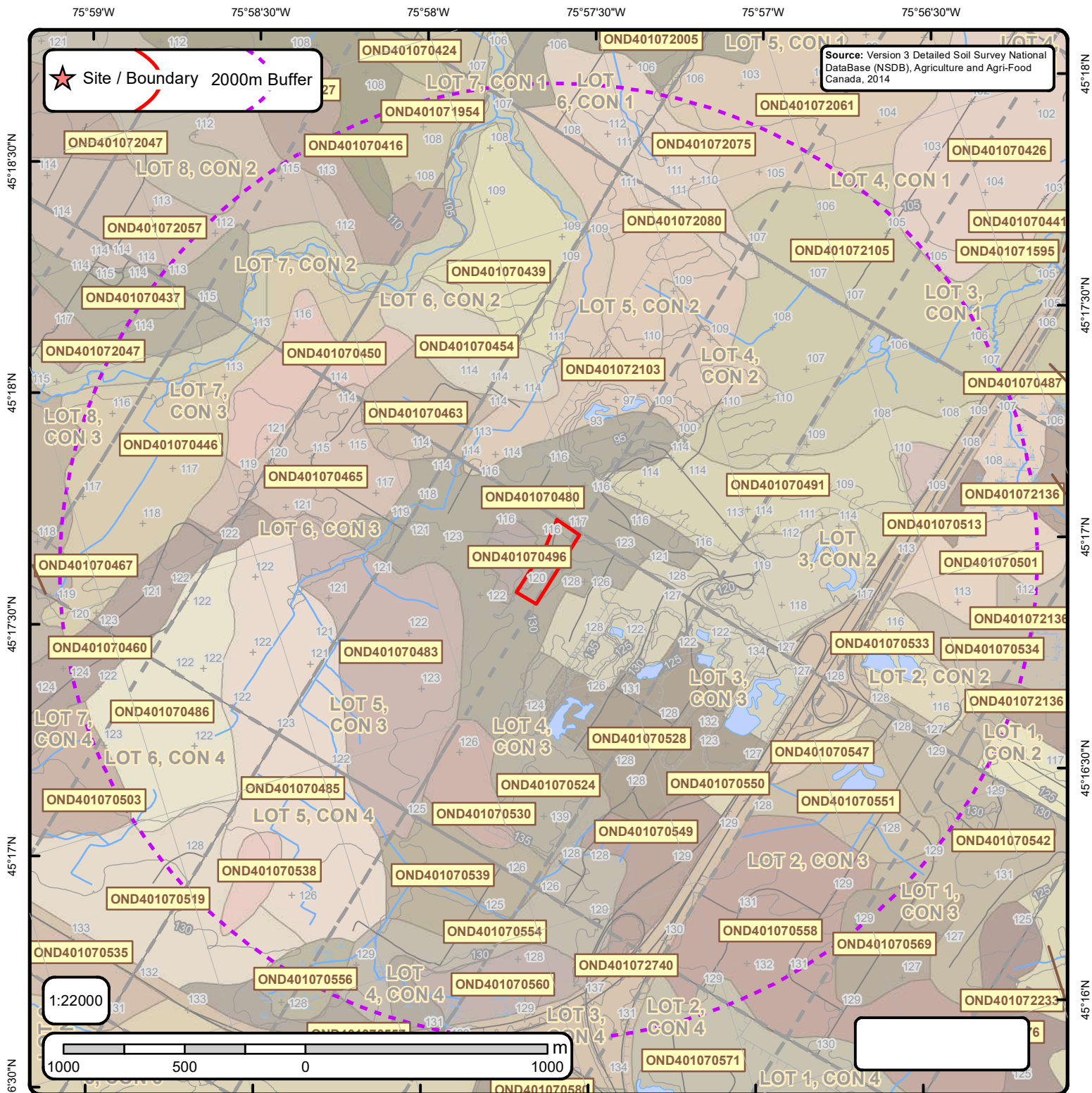
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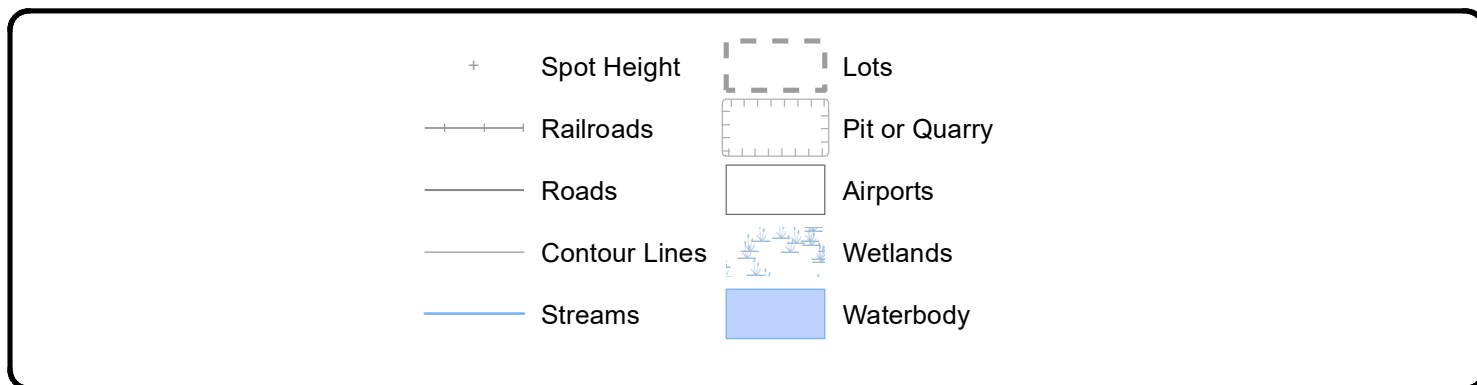
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Detailed Soil Survey (ON Soils)

Order No. 25061200511



Soils Report

Soil Map Units Found within 2000 m of
2415 Carp Road

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25061200511



Soil ID: OND401070534

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBOK~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 59 | **Total Silt(%)** : 32 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 5.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-48 | **Horizon** : Bmgjk | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 84 | **Total Silt(%)** : 12 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 48-100 | **Horizon** : Ckg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 4.72 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070551

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070550

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
2415 Carp Road

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Order No.
25061200511



Soil ID: OND401070557

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401070557

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070439

Component No : 1 | **Components(%)** : 60 | **Soil Name ID** : ONSPD~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 1 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 5.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 2 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 3 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 5 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 6 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.139 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 76-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 66 | **Total Sand(%)** : 90 | **Total Silt(%)** : 10 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.2 | **pH in**

Soils Report

Soil Map Units Found within 2000 m of
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25061200511



Soil ID: OND401070439

Component No : 2 | **Components(%)** : 40 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : None | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : OND401070439-ONSPD~~~~~N | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.139 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 76-100 | **Horizon** : Cg | **Layer No** : 8 | **Very Fine Sand(%)** : 66 | **Total**

Soil ID: OND401070519

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401070519

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of a combination of the Subclasses F and M, or, the presence of a combination of the Subclasses | **Second CLI Limitation Subclass** : Presence of surface stones > 15 cm diameter. | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
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Soil ID: OND401070554

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070437

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

Soil ID: OND401070437

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONKRS~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 63 | **Total Silt(%)** : 31 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.537 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 68 | **Total Silt(%)** : 25 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.783 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070513

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401070513

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070538

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSTVO~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -15-0 | **Horizon** : Om | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 17.0 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 13 | **Total Silt(%)** : 65 | **Total Clay(%)** : 22 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.46 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-80 | **Horizon** : Ckg | **Layer No** : 3 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 13 | **Total Silt(%)** : 57 | **Total Clay(%)** : 30 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 80-100 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 15 | **Total Silt(%)** : 57 | **Total Clay(%)** : 28 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.207 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 100-118 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 18 | **Total Silt(%)** : 56 | **Total Clay(%)** : 26 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.218 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070533

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070510

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070556

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401071978

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONGVI~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **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 | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 59 | **Total Silt(%)** : 30 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 2.565 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-35 | **Horizon** : Ap | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 62 | **Total Silt(%)** : 33 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 5.087 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 35-55 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 63 | **Total Silt(%)** : 32 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 4.441 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-77 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 56 | **Total Silt(%)** : 26 | **Total Clay(%)** : 18 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.856 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 77-92 | **Horizon** : BC | **Layer No** : 5 | **Very Fine Sand(%)** : 20 | **Total Sand(%)** : 61 | **Total Silt(%)** : 28 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.805 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 92-100 | **Horizon** : Ck | **Layer No** : 6 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 65 | **Total Silt(%)** : 30 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 3.082 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071978

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONKRS~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 63 | **Total Silt(%)** : 31 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.537 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 68 | **Total Silt(%)** : 25 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.783 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072061

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBDO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : App | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 14 | **Total Silt(%)** : 52 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.223 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-38 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 46 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 47 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-105 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 45 | **Total Clay(%)** : 47 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401072005

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONOGO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 34 | **Total Sand(%)** : 41 | **Total Silt(%)** : 42 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.832 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-40 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 33 | **Total Sand(%)** : 39 | **Total Silt(%)** : 40 | **Total Clay(%)** : 21 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.547 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 40-70 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 35 | **Total Silt(%)** : 42 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.454 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 25 | **Total Sand(%)** : 31 | **Total Silt(%)** : 46 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.324 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072005

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONBIV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-17 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 53 | **Total Silt(%)** : 34 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.052 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 17-33 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 30 | **Total Silt(%)** : 39 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.273 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 33-62 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 52 | **Total Silt(%)** : 28 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.683 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 62-84 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 45 | **Total Sand(%)** : 62 | **Total Silt(%)** : 26 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 1.597 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 84-100 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 54 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.194 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070530

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONVUD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 46 | **Total Sand(%)** : 75 | **Total Silt(%)** : 16 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 3.869 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-31 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 82 | **Total Silt(%)** : 15 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.065 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 31-63 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 7.127 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 63-78 | **Horizon** : Bg | **Layer No** : 4 | **Very Fine Sand(%)** : 44 | **Total Sand(%)** : 86 | **Total Silt(%)** : 7 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 3.942 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 78-100 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 39 | **Total Sand(%)** : 93 | **Total Silt(%)** : 4 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.172 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401072103

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONMTD~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of surface stones > 15 cm diameter. | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-22 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 47 | **Total Silt(%)** : 39 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.383 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 22-35 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 34 | **Total Sand(%)** : 49 | **Total Silt(%)** : 43 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 2.361 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 35-100 | **Horizon** : Ckgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 48 | **Total Silt(%)** : 44 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.46 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072103

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONLYS~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 69 | **Total Silt(%)** : 20 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.066 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-23 | **Horizon** : Ap | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 72 | **Total Silt(%)** : 22 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.797 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 23-35 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 73 | **Total Silt(%)** : 20 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.985 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 35-100 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 59 | **Total Silt(%)** : 34 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 2.123 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071954

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

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Soil ID: OND401071954

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONBDOC~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : Apg | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 39 | **Total Silt(%)** : 34 | **Total Clay(%)** : 27 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.223 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-38 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 30 | **Total Silt(%)** : 30 | **Total Clay(%)** : 40 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 30 | **Total Silt(%)** : 30 | **Total Clay(%)** : 40 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-105 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 45 | **Total Clay(%)** : 47 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070555

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401072105

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONOGO~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 34 | **Total Sand(%)** : 41 | **Total Silt(%)** : 42 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.832 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-40 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 33 | **Total Sand(%)** : 39 | **Total Silt(%)** : 40 | **Total Clay(%)** : 21 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.547 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 40-70 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 35 | **Total Silt(%)** : 42 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.454 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 25 | **Total Sand(%)** : 31 | **Total Silt(%)** : 46 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.324 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070485

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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

Soil ID: OND401070487

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONOGO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 34 | **Total Sand(%)** : 41 | **Total Silt(%)** : 42 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.832 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-40 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 33 | **Total Sand(%)** : 39 | **Total Silt(%)** : 40 | **Total Clay(%)** : 21 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.547 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 40-70 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 35 | **Total Silt(%)** : 42 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.454 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 25 | **Total Sand(%)** : 31 | **Total Silt(%)** : 46 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.324 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070486

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSTVO~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -15-0 | **Horizon** : Om | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 17.0 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 13 | **Total Silt(%)** : 65 | **Total Clay(%)** : 22 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.46 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-80 | **Horizon** : Ckg | **Layer No** : 3 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 13 | **Total Silt(%)** : 57 | **Total Clay(%)** : 30 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 80-100 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 15 | **Total Silt(%)** : 57 | **Total Clay(%)** : 28 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.207 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 100-118 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 18 | **Total Silt(%)** : 56 | **Total Clay(%)** : 26 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.218 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070480

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONKRS~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slope Steepness(%)** : 3.5 | **Slope Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 63 | **Total Silt(%)** : 31 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.537 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 68 | **Total Silt(%)** : 25 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.783 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070483

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONOGO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slope Steepness(%)** : 1.2 | **Slope Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 34 | **Total Sand(%)** : 41 | **Total Silt(%)** : 42 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.832 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-40 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 33 | **Total Sand(%)** : 39 | **Total Silt(%)** : 40 | **Total Clay(%)** : 21 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.547 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 40-70 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 35 | **Total Silt(%)** : 42 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.454 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 25 | **Total Sand(%)** : 31 | **Total Silt(%)** : 46 | **Total Clay(%)** : 23 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 6.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.324 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070483

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONPPV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slope Steepness(%)** : 1.2 | **Slope Length(m)** : -9 | **Drainage** : Imperfectly | **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 Texture of A Horizon** : silt loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 52 | **Total Silt(%)** : 31 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 3.2 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-24 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 38 | **Total Sand(%)** : 53 | **Total Silt(%)** : 39 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 2.56 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 24-50 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 73 | **Total Silt(%)** : 23 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.7 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.837 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-54 | **Horizon** : Bmgj | **Layer No** : 4 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 78 | **Total Silt(%)** : 19 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.904 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 54-63 | **Horizon** : Bg | **Layer No** : 5 | **Very Fine Sand(%)** : 57 | **Total Sand(%)** : 61 | **Total Silt(%)** : 32 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.989 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 63-86 | **Horizon** : Bg | **Layer No** : 6 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 56 | **Total Silt(%)** : 33 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 1.634 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 86-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 37 | **Total Silt(%)** : 47 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 0.0 |

Soils Report

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Soil ID: OND401070528

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONKRS~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 63 | **Total Silt(%)** : 31 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.537 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 68 | **Total Silt(%)** : 25 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.783 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070449

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONNGW~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-25 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 43 | **Total Silt(%)** : 41 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.375 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-37 | **Horizon** : Bgj | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 45 | **Total Silt(%)** : 40 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 3.3 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.752 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 37-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 20 | **Total Silt(%)** : 63 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.29 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070449

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070504

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401070504

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072080

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONNGW~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-25 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 43 | **Total Silt(%)** : 41 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.375 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-37 | **Horizon** : Bgj | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 45 | **Total Silt(%)** : 40 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 3.3 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.752 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 37-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 20 | **Total Silt(%)** : 63 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.29 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401072080

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONPPV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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 Texture of A Horizon** : silt loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 52 | **Total Silt(%)** : 31 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 3.2 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-24 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 38 | **Total Sand(%)** : 53 | **Total Silt(%)** : 39 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 2.56 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 24-50 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 73 | **Total Silt(%)** : 23 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.7 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.837 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-54 | **Horizon** : Bmgj | **Layer No** : 4 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 78 | **Total Silt(%)** : 19 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.904 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 54-63 | **Horizon** : Bg | **Layer No** : 5 | **Very Fine Sand(%)** : 57 | **Total Sand(%)** : 61 | **Total Silt(%)** : 32 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.989 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 63-86 | **Horizon** : Bg | **Layer No** : 6 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 56 | **Total Silt(%)** : 33 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 1.634 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 86-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 37 | **Total Silt(%)** : 47 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 0.0 |

Soil ID: OND401070549

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070549

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

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Soil ID: OND401070560

Component No : 2 | **Components(%)** : 20 | **Soil Name ID** : ONMAN~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : None | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : OND401070560-ONMAN~~~~~A | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-32 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 13 | **Total Silt(%)** : 65 | **Total Clay(%)** : 22 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.46 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-80 | **Horizon** : Ckg | **Layer No** : 2 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 13 | **Total Silt(%)** : 57 | **Total Clay(%)** : 30 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 80-100 | **Horizon** : Ckg | **Layer No** : 3 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 15 | **Total Silt(%)** : 57 | **Total Clay(%)** : 28 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.207 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 100-118 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 18 | **Total Silt(%)** : 56 | **Total Clay(%)** : 26 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.218 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070560

Component No : 1 | **Components(%)** : 80 | **Soil Name ID** : ONMANSH~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -15-0 | **Horizon** : Om | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 17.0 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 13 | **Total Silt(%)** : 65 | **Total Clay(%)** : 22 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.46 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-80 | **Horizon** : Ckg | **Layer No** : 3 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 13 | **Total Silt(%)** : 57 | **Total Clay(%)** : 30 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.202 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 80-85 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 15 | **Total Silt(%)** : 57 | **Total Clay(%)** : 28 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.207 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 85-100 | **Horizon** : R | **Layer No** : 5 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401070446

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

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Soil ID: OND401070446

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070463

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

Soil ID: OND401070539

Component No : 2 | **Components(%)** : 50 | **Soil Name ID** : ONSOG~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : None | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : OND401070539-ONSOG~~~~~N | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 61 | **Total Silt(%)** : 27 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.143 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-28 | **Horizon** : Aegj | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 63 | **Total Silt(%)** : 23 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.547 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-41 | **Horizon** : Btjg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 65 | **Total Silt(%)** : 20 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.3 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-100 | **Horizon** : Ckgj | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 62 | **Total Silt(%)** : 25 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.427 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070539

Component No : 1 | **Components(%)** : 50 | **Soil Name ID** : ONSOG~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 61 | **Total Silt(%)** : 27 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.143 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-28 | **Horizon** : Aegj | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 63 | **Total Silt(%)** : 23 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.547 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-41 | **Horizon** : Btjg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 65 | **Total Silt(%)** : 20 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.3 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 41-100 | **Horizon** : Ckgj | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 62 | **Total Silt(%)** : 25 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.427 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070460

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070467

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONGVISH~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-37 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 61 | **Total Silt(%)** : 31 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 2.4 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.765 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 37-53 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 59 | **Total Silt(%)** : 33 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.843 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 53-70 | **Horizon** : CK | **Layer No** : 3 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 45 | **Total Silt(%)** : 48 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.568 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

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Soil ID: OND401070465

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070547

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONKRS~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 63 | **Total Silt(%)** : 31 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.537 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 68 | **Total Silt(%)** : 25 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.783 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070427

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070426

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONNGW~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-25 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 43 | **Total Silt(%)** : 41 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.375 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-37 | **Horizon** : Bgj | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 45 | **Total Silt(%)** : 40 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 3.3 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.752 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 37-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 20 | **Total Silt(%)** : 63 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.29 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070569

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBOK~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 59 | **Total Silt(%)** : 32 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 5.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-48 | **Horizon** : Bmgjk | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 84 | **Total Silt(%)** : 12 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 48-100 | **Horizon** : Ckg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 4.72 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070501

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONVUD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 46 | **Total Sand(%)** : 75 | **Total Silt(%)** : 16 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 3.869 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-31 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 82 | **Total Silt(%)** : 15 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.065 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 31-63 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 7.127 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 63-78 | **Horizon** : Bg | **Layer No** : 4 | **Very Fine Sand(%)** : 44 | **Total Sand(%)** : 86 | **Total Silt(%)** : 7 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 3.942 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 78-100 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 39 | **Total Sand(%)** : 93 | **Total Silt(%)** : 4 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.172 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070501

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070524

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070503

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONGVISH~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-37 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 61 | **Total Silt(%)** : 31 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 2.4 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.765 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 37-53 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 59 | **Total Silt(%)** : 33 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.843 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 53-70 | **Horizon** : CK | **Layer No** : 3 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 45 | **Total Silt(%)** : 48 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.568 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

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Soil ID: OND401072057

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

Soil ID: OND401070542

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONKRS~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 63 | **Total Silt(%)** : 31 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.537 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 68 | **Total Silt(%)** : 25 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.783 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071595

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZER~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 37.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 15 | **Total Silt(%)** : 60 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.589 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401072136

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401072136

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070558

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONFRM~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 44 | **Total Silt(%)** : 44 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 3.7 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 1.969 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-38 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 49 | **Total Silt(%)** : 45 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 3.014 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-50 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 57 | **Total Silt(%)** : 36 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 1.979 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soils Report

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Soil ID: OND401070416

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072075

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONGVI~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of surface stones > 15 cm diameter. | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 59 | **Total Silt(%)** : 30 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 2.565 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-35 | **Horizon** : Ap | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 62 | **Total Silt(%)** : 33 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 5.087 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 35-55 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 63 | **Total Silt(%)** : 32 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 4.441 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-77 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 56 | **Total Silt(%)** : 26 | **Total Clay(%)** : 18 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.856 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 77-92 | **Horizon** : BC | **Layer No** : 5 | **Very Fine Sand(%)** : 20 | **Total Sand(%)** : 61 | **Total Silt(%)** : 28 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.805 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 92-100 | **Horizon** : Ck | **Layer No** : 6 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 65 | **Total Silt(%)** : 30 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 3.082 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072075

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401072740

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070491

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070491

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONVUD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **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 Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 46 | **Total Sand(%)** : 75 | **Total Silt(%)** : 16 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 3.869 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-31 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 82 | **Total Silt(%)** : 15 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.065 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 31-63 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 7.127 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 63-78 | **Horizon** : Bg | **Layer No** : 4 | **Very Fine Sand(%)** : 44 | **Total Sand(%)** : 86 | **Total Silt(%)** : 7 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 3.942 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 78-100 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 39 | **Total Sand(%)** : 93 | **Total Silt(%)** : 4 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.172 | **Electrical Conductivity(dS/m)** : 0 |

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Soil ID: OND401070496

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **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 |

Soil ID: OND401070571

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONGVI~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 59 | **Total Silt(%)** : 30 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 2.565 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-35 | **Horizon** : Ap | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 62 | **Total Silt(%)** : 33 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 5.087 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 35-55 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 63 | **Total Silt(%)** : 32 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 4.441 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 55-77 | **Horizon** : Bt | **Layer No** : 4 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 56 | **Total Silt(%)** : 26 | **Total Clay(%)** : 18 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.856 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 77-92 | **Horizon** : BC | **Layer No** : 5 | **Very Fine Sand(%)** : 20 | **Total Sand(%)** : 61 | **Total Silt(%)** : 28 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.805 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 92-100 | **Horizon** : Ck | **Layer No** : 6 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 65 | **Total Silt(%)** : 30 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 3.082 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070571

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONGVISH~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-37 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 61 | **Total Silt(%)** : 31 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 2.4 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.765 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 37-53 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 59 | **Total Silt(%)** : 33 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 2.843 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 53-70 | **Horizon** : CK | **Layer No** : 3 | **Very Fine Sand(%)** : 15 | **Total Sand(%)** : 45 | **Total Silt(%)** : 48 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.568 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-100 | **Horizon** : R | **Layer No** : 4 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

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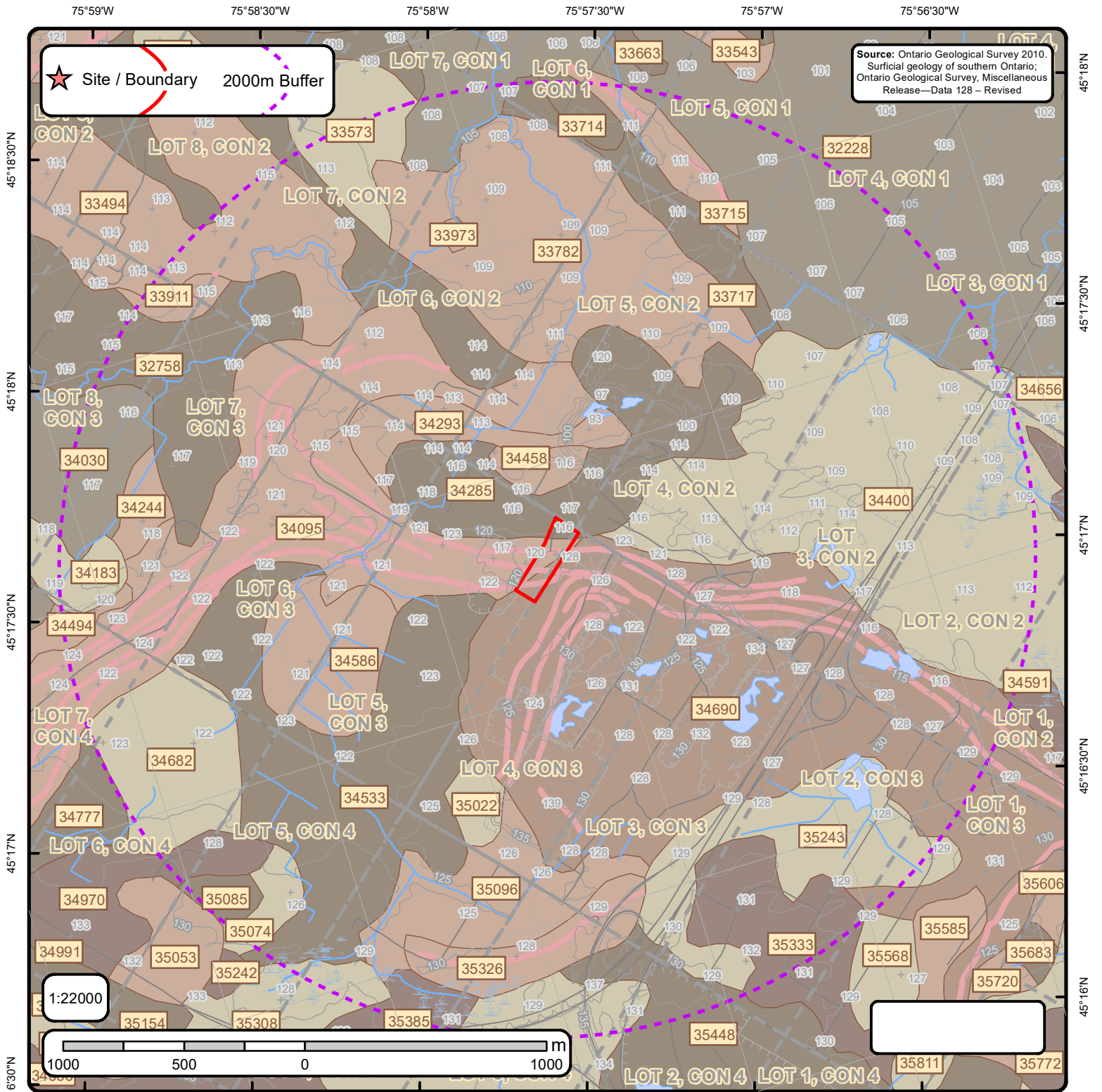


Soil ID: OND401070454

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONOKA~~~~~A | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-12 | **Horizon** : Apk | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 70 | **Total Silt(%)** : 22 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 4.0 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 5.409 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 71 | **Total Silt(%)** : 20 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.079 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 6.109 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070450

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONKRS~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **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 | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 10 | **Total Sand(%)** : 63 | **Total Silt(%)** : 31 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 3.537 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-32 | **Horizon** : Bmk | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 68 | **Total Silt(%)** : 25 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 3.783 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 32-100 | **Horizon** : Ck | **Layer No** : 3 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 7.817 | **Electrical Conductivity(dS/m)** : 0 |



The Surficial Geology of Southern Ontario

Order No. 25061200511

+	Spot Height	—	Streams		Dune		Beach		Esker		karst		pitsg
	Waterbody	—	Contour Lines		Lake		Bluff		Esker ND		linfeat		popup
	Wetlands	—	Roads		Rib		Crevasse		Fluvial DL		megarip		ribl
	Airports	—	Railroads		Scab		Crest		fluvndl		mfluvdl		slidel
	Pit or Quarry		Morains		Slide		End		iceberg		mfluvndl		slump
	Lots				NOF Dune		Escarpment		icslope		moraine		terrace

Surface Geology Report

Surface Geology units found within 2000 m of
2415 Carp Road

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ID: 32228 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 a

ID: 32758 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 disc

ID: 33494 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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.

ID: 33573 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 33714 | **Unit Name:** Till |
Deposit Type Code: 1b | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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

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ID: 33715 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: sand, gravel | **Primary Material Modifier:** bouldery | **Secondary Material:** | **Primary General:** glaciomarine |
Primary General Modifier: littoral/foreshore | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:**
Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel, sand and boulders;
beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders where developed from till
and glaciofluvial deposits; slabs and shingles where developed from sedimentary bedrock).

ID: 33717 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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
disc

ID: 33782 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:**
1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary**
General Modifier: foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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.

ID: 33911 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: sand, gravel | **Primary Material Modifier:** bouldery | **Secondary Material:** | **Primary General:** glaciomarine |
Primary General Modifier: littoral/foreshore | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:**
Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel, sand and boulders;
beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders where developed from till
and glaciofluvial deposits; slabs and shingles where developed from sedimentary bedrock).

ID: 33973 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: sand, gravel | **Primary Material Modifier:** bouldery | **Secondary Material:** | **Primary General:** glaciomarine |
Primary General Modifier: littoral/foreshore | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:**
Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel, sand and boulders;
beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders where developed from till
and glaciofluvial deposits; slabs and shingles where developed from sedimentary bedrock).

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ID: 34030 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 a

ID: 34095 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** bouldery | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** littoral/foreshore | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel, sand and boulders; beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders where developed from till and glaciofluvial deposits; slabs and shingles where developed from sedimentary bedrock).

ID: 34183 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 34244 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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.

ID: 34285 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 disc

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ID: 34293 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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.

ID: 34400 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 34458 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** bouldery | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** littoral/foreshore | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel, sand and boulders; beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders where developed from till and glaciofluvial deposits; slabs and shingles where developed from sedimentary bedrock).

ID: 34494 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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.

ID: 34533 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 disc

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ID: 34586 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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.

ID: 34591 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 34682 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 34690 | **Unit Name:** Glaciofluvial deposits |
Deposit Type Code: 2 | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel and sand, poorly to well sorted and bedded, mainly coarse-to medium-grained with numerous cobbles, boulders and lenses of till

ID: 34777 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 disc

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ID: 34970 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 35022 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 35074 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 35085 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 disc

ID: 35096 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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.

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ID: 35243 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 35308 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 35326 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** bouldery | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** littoral/foreshore | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Gravel, sand and boulders; beaches commonly fossiliferous; nature of sediment controlled by underlying material (gravel, sand and boulders where developed from till and glaciofluvial deposits; slabs and shingles where developed from sedimentary bedrock).

ID: 35333 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 35385 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

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ID: 35448 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial |
Primary General Modifier: | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus 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 disc

ID: 35503 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 35568 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario;
Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.
ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier - This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.



**Ministry of the Environment,
Conservation and Parks**

Corporate Management Division

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

Division de la gestion ministérielle

June 19, 2025

Amanda Gartshore
BluMetric Environmental Inc.

Dear Amanda Gartshore
RE: Request #: EPI-2025-2000006312
Requestor provided Site Name: WM Phase I ESA
Requestor provided Client Reference: PR03281
Site address: 2413 - 2415 Carp Road (Odd), Stittsville (Ottawa)

This letter confirms that, after conducting a thorough search of its source system applications, the ministry has identified potential records related to your property request. Our search indicates that the ministry may hold the following records:

- Sector Inspection
- Waste Generator number/classes

If you would like to submit a Freedom of Information (FOI) request to the ministry, please return to the table on the Requests tab of the EPI application and select "Submit FOI" under the Actions column in the row identified by EPI-2025-2000006312.

If you have any questions regarding the matter, please contact the ministry at eproperty@ontario.ca.

Sincerely,

Environmental Property Information (EPI) Program

Disclaimer

This search result is provided for informational purposes only and is not intended to provide specific advice or recommendations. The Ministry of the Environment, Conservation and Parks (MECP) cannot and does not guarantee that the information provided is current, accurate, complete, or free of errors. Any reliance upon this information is solely at the risk of the user.

¹ In addition to the core reports (e.g. Environmental Compliance Approval), there may be extensive supporting documentation associated with this record type. When transferring your request over to FOI, we encourage you to refine the scope of your request to only the supporting documentation required for your purposes, as the inclusion of this additional documentation can add significant processing time.



Ministry of the Environment,
Conservation and Parks

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

Corporate Management Division

Division de la gestion ministérielle

Le 19 juin 2025

Amanda Gartshore
BluMetric Environmental Inc.

Madame,
Monsieur, Amanda Gartshore
Objet : No de demande : EPI-2025-2000006312
Nom du site fourni par le demandeur : WM Phase I ESA
Référence client fournie par le demandeur: PR03281
Adresse du site: 2413 - 2415 Carp Road (Impair), Stittsville (Ottawa)

La présente lettre confirme que, après avoir effectué une recherche exhaustive dans ses applications de système source, le ministère a circonscrit des dossiers potentiels reliés à votre demande concernant des biens immobiliers. Notre recherche indique que les dossiers suivants peuvent être en possession du ministère:

- Sector Inspection
- Waste Generator number/classes

Si vous souhaitez soumettre une demande de liberté d'information (FOI) au ministère, veuillez retourner au tableau de l'onglet Requêtes de l'application EPI et sélectionner "Soumettre FOI" dans la colonne Actions de la ligne identifiée par EPI-2025-2000006312.

Si vous avez des questions concernant votre demande, nous vous invitons à communiquer avec le ministère à l'adresse électronique suivante : eproperty@ontario.ca.

Veillez recevoir mes salutations les plus sincères,

Programme d'Information Environnementale de la propriété

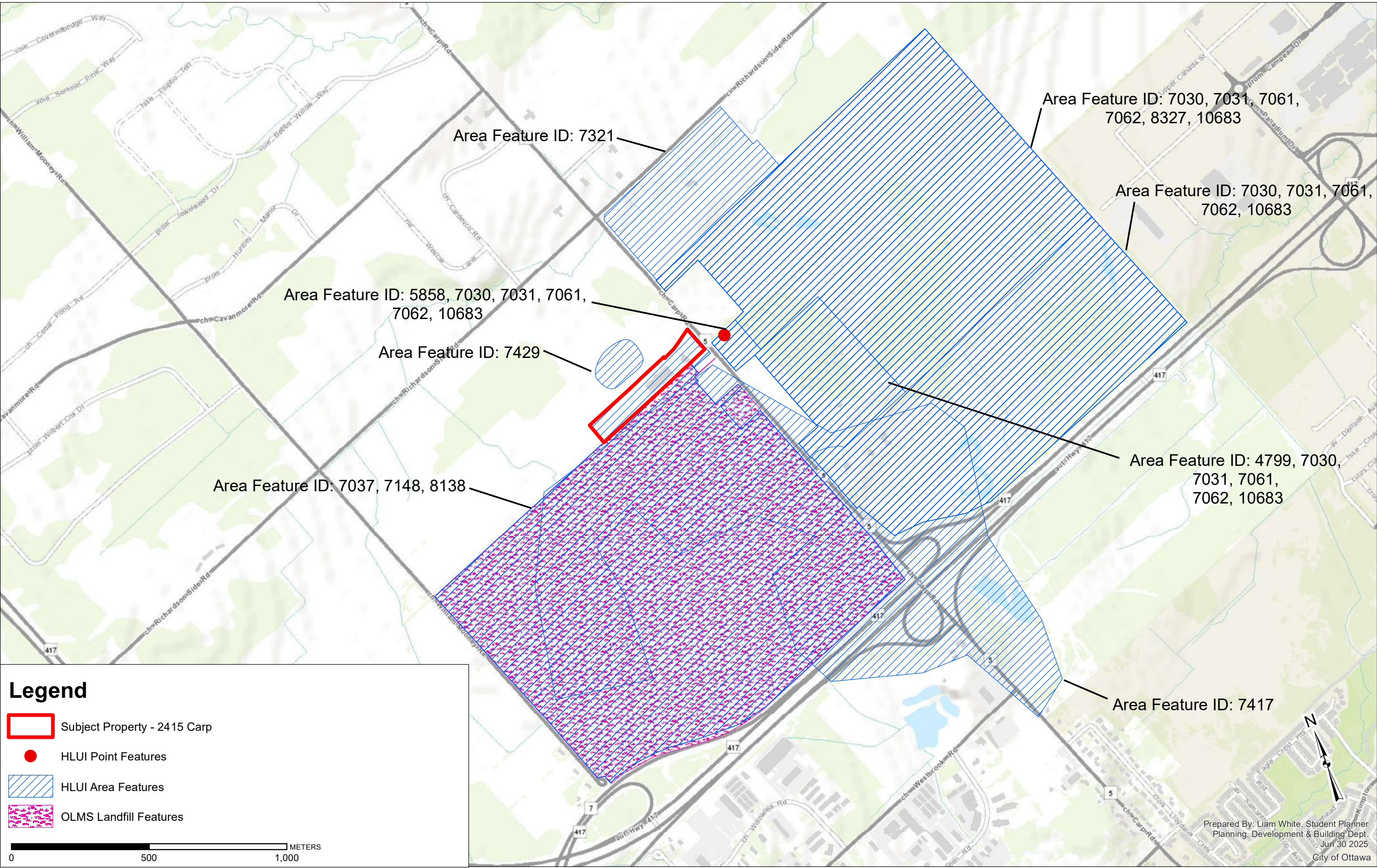
Avertissement

Ce résultat de recherche est fourni uniquement à titre informatif et n'a aucunement pour but de donner des conseils particuliers ou des recommandations. Le ministère de l'Environnement de la Protection de la nature et des Parcs (MEPP) ne peut pas garantir que les renseignements

fournis sont à jour, exacts, complets et exempts d'erreurs. L'utilisateur qui se fie à ces renseignements le fait à ses seuls risques.

¹ En plus des rapports de base (par exemple, l'approbation de conformité environnementale), il peut y avoir de nombreux documents justificatifs associés à ce type d'enregistrement. Lors du transfert de votre demande vers FOI, nous vous encourageons à affiner la portée de votre demande en ne tenant compte que des pièces justificatives requises pour vos besoins, car l'inclusion de ces documents supplémentaires peut ajouter un temps de traitement important.

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP - 2415 CARP





File Number: D06-03-25-0071

July 15th, 2025

Emily Fletcher
Blumetric Environmental Inc.

Sent via email efletcher@blumetric.ca

Dear Emily Fletcher,

**Re: Information Request
2415 Carp Road, Ottawa, Ontario ("Subject Property")**

Internal Department Circulation:

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

- **Environmental Remediation Unit:** The City's Environmental Remediation Unit (ERU) has copies of environmental reports associated with the nearby Carp landfill, West Carleton Environmental Centre (WCEC). Please contact ERU-UAE@ottawa.ca to obtain copies of the reports if required. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit <https://ottawa.ca/en/city-hall/open-transparent-andaccountable-government/access-information-and-protection-privacy/accessinformation>.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website: <https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>
- **Sewer Use Program:** The City's Sewer Use Program has found the following information pertaining to the subject property: Recent environmental reports; approval(s).
- **Solid Waste Services:** The subject property is abutting the West Carleton Environmental Centre, and is also within 0.6 kilometers of the Tomlinson Transfer Station at 106 Westhunt Road.

Documents Provided:

HLUI Summary Report and HLUI Map

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

For more information on how to interpret the HLUI data identified in the attached excel sheet ('HLUI Summary Report – D06-03-25-0071 – 2415Carp.xlsx'), please refer to the [Overview and User Guide](#)."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

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

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

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

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

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

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

Sincerely,

Liam White

Student Planner

Development Review South

Planning, Development and Building Services Department

Enclosures: (2)

1. HLUI Map – D06-03-25-0071 – 2415Carp
2. HLUI Summary Report – D06-03-25-0071 – 2415Carp

cc: File no. D06-03-25-0071

HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017
4799	CUMBERLAND READY MIX	Lumber and Building Materials, Wholesale	2005-SelectPhone; 2006-ES; 2012-ES	1			2326.000000000000000	CARP	RD			2326
5655	CAPITAL SLC INC	Administrative and support, waste management and remediation services	2012-ES	1			2397.000000000000000	CARP	RD			2397
5858	WEST CARLETON CONCRETE CORP	Lumber and Building Materials, Wholesale	2001-ES; 2005-SelectPhone	1	1998-2005	c. 1998; c. 2001; c. 2005	2394.000000000000000	CARP	RD			2394
6215	PRINCE AUTO SALES	Automobile Dealers-Used Cars	2017-SalesGenie	1	2017	SalesGenie 2017					CARP	2397
7030	KARSON ASPHALT PAVING HUNTLEY PLANT	Mining, quarrying, and oil and gas extraction	2012-ES; 2016-PID	1	2012-2016	ES 2012	2300.000000000000000	CARP	RD			2448
7031	SPRATT SAND & GRAVEL	Sand and Gravel Pits	1967-EMR-SMB-NTS-31G/5-7thed; 1968-Topo; 1970/71-S; 1970-M; 1971-M; 1985-EMR-SMB-NTS-31G/5-11thed; 2003-PID	1	1922-2003	c. 1967-1999	2300.000000000000000	CARP	RD		KANATA	2448
7037	CARP RD DUMP (OFFICIAL)	Dump	1922-DMD-TM-Ottawa-Sheet#14; 1948-DND-ASE-NTS-31G/5; 1967-EMR-SMB-NTS-31G/5-7thed; 1976-WCTD; 1985-EMR-SMB-NTS-31G/5-11thed; 1990/91-WCTD; 1991-WDSI/WMB/MOE; 1998-SC; 1998-WCTD; 2004-GWStudy; 2006-ES; 2017-CityofOttawa-Landfill	1	1970-2004	GW Study 2004 Renfrew Watershed	2301.000000000000000	CARP	RD		STITTSVILLE	2301
7061	YOUNG'S PAVING INC	Other Petroleum and Coal Products Industries	1998-SC	1	1998	c. 1998	2300.000000000000000	CARP	RD		WEST CARLETON	2448

HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017
7062	CANADA BUILDING MATERIALS - READY MIX CONCRETE	Ready Mix Concrete Industry	2003-PID; 2016-PID	1	2003-2016	c. 2003; c. 2005	2300.00000000000000	CARP	RD		CARP	2448
7148	LAIDLAW WASTE SYSTEMS (OTTAWA) LIMITED	Other Utility Industries n.e.c.	1985-EMR-SMB-NTS-31G/5-11thed; 1990/91-WCTD; 1991-WDSI/WMB/MOE; 1998-SC; 1998-WCTD; 2017-CityofOttawa-Landfill	1	1985-1998	c. 1985-1998; c. 1998	2301.00000000000000	CARP	RD		WEST CARLETON	2301
7321	M-CON PRODUCTS LIMITED	Concrete Products Industries	2000-PID; 2004-GWStudy; 2012-ES; 2016-PID; 2017-AirPhoto	1	2000-2017	c. 2000; c. 2001; c. 2003; c. 2005	2150.00000000000000	RICHARDSON SIDE	RD		CARP	2460
7417	HOWARD C RUMP SAND/GRAVEL PIT	Sand and Gravel Pits	1967-EMR-SMB-NTS-31G/5-7thed; 1968-Topo; 1976-WCTD; 1979-Topo; 1985-EMR-SMB-NTS-31G/5-11thed; 1990/1991-WCTD; 1998-WCTD	1	1967-1985	c. 1967-1985	2301.00000000000000	CARP	RD		WEST CARLETON	2301
7429	UNNAMED GRAVEL PIT	Gravel Pit	1979-Topo	1	1979							
8138	CANADIAN WASTE SERVICES LTD	Other Utility Industries n.e.c.	1998-SC	1	1998		2301.00000000000000	CARP	RD		WEST CARLETON	2301
8327	SPRATT AGGREGATES	Stone Quarries	2003-PID; 2006-ES; 2012-ES	1	2003		2300.00000000000000	CARP	RD		CARP	2448
8868	LAURYSSEN KITCHENS LIMITED	Sash, Door and Other Millwork Industries	1994-PID; 2003-PID; 2016-PID; 2017-SalesGenie	1	1994-2017	c. 1994; c. 2000; c. 2001; c. 2003; c. 2005	2415.00000000000000	CARP	RD		STITTSVILLE	2413
10683	KARSON KARTAGE	Mining, quarrying, and oil and gas extraction	2012-ES	1			2300.00000000000000	CARP	RD			2300

HLUI SUMMARY REPORT
AREA FEATURES

ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	SHAPE_AREA	SHAPE_LEN
CARP	RD		K0A1L0	045080093	WEST CARLETON	327320				155675.280784631002462	1728.150803654940091
CARP	RD		K0A1L0	045360170	WEST CARLETON	561799				1899.649309215770018	207.272609985918024
CARP	RD		K0A1L0	045080004	WEST CARLETON	327320; 416390; 444110	355			16691.499061608799821	518.514731531872030
CARP	RD		K0A1L0	045360170	WEST CARLETON	44112005	5511-03			1899.649309215770018	207.272609985918024
CARP	RD		K0A1L0	045080094	WEST CARLETON	212323; 232920				1800539.776220740051940	5902.977671215860028
CARP	RD		K0A1L0	045080094	WEST CARLETON	212323	82	UTM = 424850E, 5014700N (1967). Area is 500m x 500m. Products; aggregates for concrete, asphalt road work, masons, precast plants & block plants.		1800539.776220740051940	5902.977671215860028
CARP	RD		K0A1L0	045361282	WEST CARLETON					1376911.117635509930551	4973.714357349470447
CARP	RD		K0A1L0	045080094	WEST CARLETON	324121	369			1800539.776220740051940	5902.977671215860028

HLUI SUMMARY REPORT
AREA FEATURES

ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	SHAPE_AREA	SHAPE_LEN
CARP	RD		K0A1L0	045080094	WEST CARLETON	327320; 444110		KANATA READY MIX		1800539.776220740051940	5902.977671215860028
CARP	RD		K0A1L0	045361282	WEST CARLETON	221320; 221330; 562210; 562920; 562990	499	Two areas. Area one UTM = 424050E, 50157520N (1985),is 1000m x 250m. Area two UTM = 424700E, 5014425N, Map 31G/5, Site #A461002 in the MOE inventory (pg34).		1376911.117635509930551	4973.714357349470447
CARP	RD		K0A1L0	045080002	WEST CARLETON	238120; 324121; 324122; 327310; 327320; 327330		include adj parcels		180056.265876209014095	1817.700666505150139
CARP	RD		K0A1L0	045361282	WEST CARLETON	212323	82	Area two UTM = 424300E, 5014700N (1985), is 350m x 150m. Area three UTM = 423800E, 5014100N (1967),is 100m x 150m.; This site was sectioned off into three areas. Area one UTM = 423850E, 5014750N (1967), this area is 600m x 150m.		1288354.539209849899635	7096.827898852499857
										20665.359901137100678	529.629049213060966
CARP	RD			045361282	WEST CARLETON					1376911.117634769994766	4973.714357342950279
CARP	RD		K0A1L0	045080094	West Carleton					975587.264687199029140	4588.698051365110587
CARP	RD		K0A1L0	045360169	WEST CARLETON	321215; 321911; 321992; 337110; 442110	254	P.O. 1235		41233.178497214801610	1192.226758139970116
CARP	RD		K0A1L0	045080088	WEST CARLETON	212323				1800539.776220740051940	5902.977671215860028

HLUI SUMMARY REPORT
POINT FEATURES

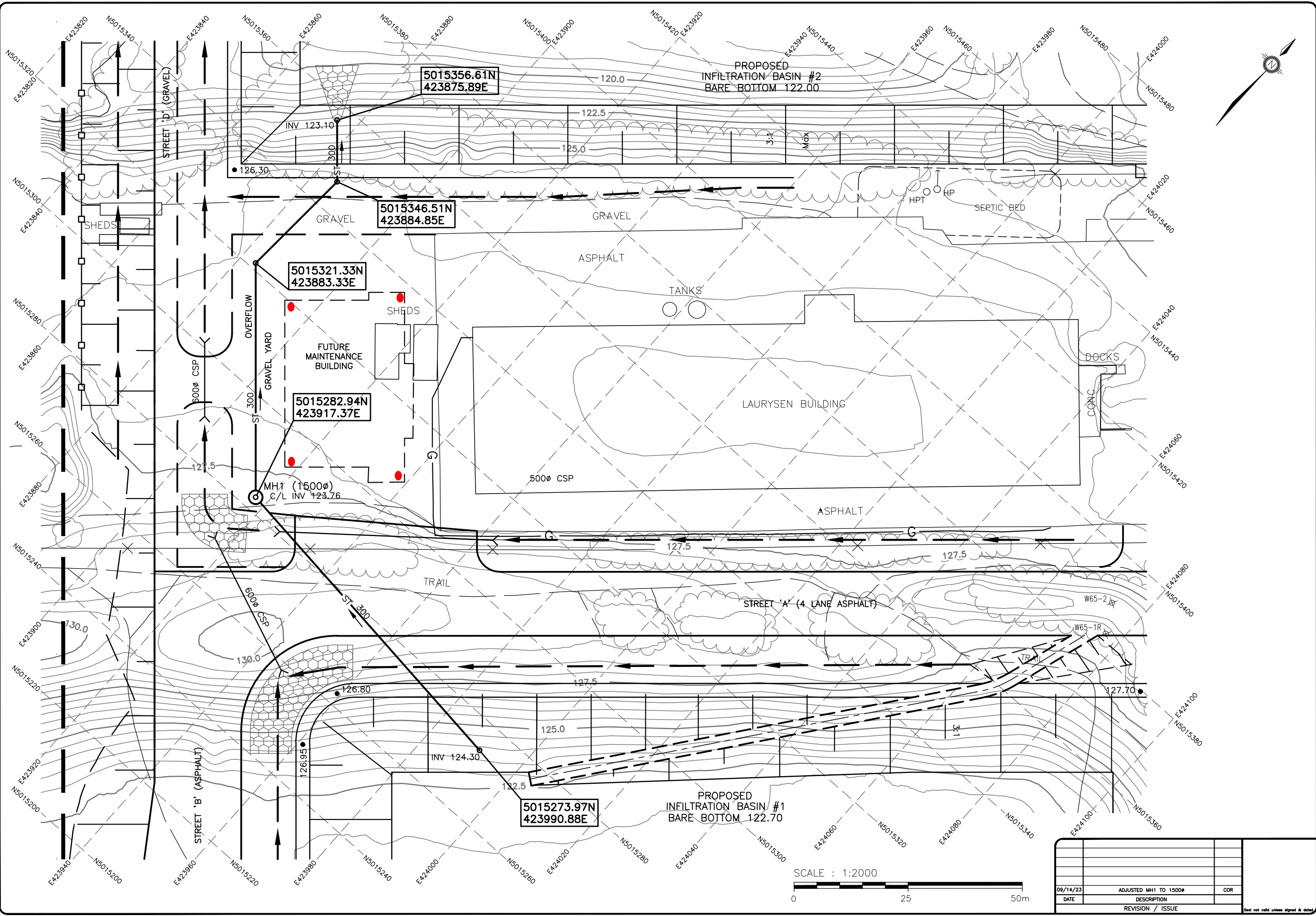
OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_LOCATION	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_SIT_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	INSTALLED_ST_DIR
1490	WEST CARLETON CONCRETE	Gasoline Station - Self Serve	AST	diesel	4800.00000 0000000000	Licensed	Active	TSSA	2394	CARP	RD	

HLUI SUMMARY REPORT
POINT FEATURES

COMMENT_	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAIN TY	IMAGE_MAP_ 2	TANK_MATE RIAL	TANK_ID	TANK_LEAKI NG	TANK_REMO VED	REMOVED_DA TE	DATE_INSTALL ED	NATURE_OF_B USINESS	SCANNED _DRAWIN G	TEMPREC ORDID	CAPACITY _UOM	MUNICIPA LITY	POSTCOD E
22/04/08 Location Updated	346677.74668973 9986323	5016731.5399640 39810002		2		Steel	ST8263				1997						

HISTORIC LANDFILL FEATURE	The historic landfills identified within the HLUI are referenced from the City's Old Landfill Management Strategy report (OLMS, 2004). Contact the City's Environmental Remediation Unit (ERU-UAE@ottawa.ca) if you would like more information about the old landfill sites identified in the OLMS report.
OBJECTID	20
ADJACENT LANDUSE	
GROUNDWATER_FLOW_DIRECTION	
G_GENERATION	
INFORMATION_SOURCE	1922-DMD-TM-Ottawa-Sheet#14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed, 1991-WDSI/WMB/MOE, 1976 WCTD, 1990/91 WCTD, 1998 WCTD, SC98
UTM_NAD27_E_NOTE	
WATER_SUPPLY	
SITE_NAME	Laidlaw Waste Systems (Ottawa) Ltd.
OPERATIONAL_PERIOD	
OVERBURDEN	
ROAD_TYPE	RD
WASTEDEPTH	
ECOLOGICAL	
DISTANCE_TO_SURFACE_WATER	
WASTETYPE	
ADJACENT_OWNER	
MAGNITUDE	
LOCATION	
ACTIVITYID	6257
DEPTH_TO_BEDROCK	
SITE_STATUS	Unconfirmed
UTM_NAD27_NORTHING	0
UTM_NAD27_EASTING	0
SOIL_COVER	
PARAMETERS	
G_VERSION	0
SERVICE_AREA	
SITE_ACCES	
CONCENTRTN	
METHANE	
ACTIVITY2	
ADJACENT_INDUSTRY	
OWNERCATEGORY	
SITE_IDENTIFICATION	Active
OWNER	
G_NEXT_VERSION	
SITE_ALIAS	
TOPOGRAPHY	
OPERATOR	
FORMER_MUN	WEST CARLETON
PHYSICAL	
ROAD_NAME	CARP
MOE_ID	
OTHERREF	
LANDFILL_1998_ID	_60042Q
UTM_NAD27_N_NOTE	
SIZE_HA	
DEPTH_TO_GROUNDWATER	
PARENT_ID	
ANDERSONSWASTEDISPOSALSITES_ID	
OTHER_INFO	
LOCTN_REF	2301
SITE_COORD	This site is separated into two areas. Area one UTM = 424050E, 50157520N (1985), and the area is 1000m x 250m. Area two UTM = 424700E, 5014425N, Map 31G/5, and this area is Site #A461002 of active sites in the MOE inventory (pg34).
GLOBALID	{0A28AEB8-D522-4C9E-96AB-0625AE729233}
COMMONNAME	Carp Landfill
COMMONNAME_FR	Décharge de Carp
SITE_ID_FR	Actif
SITE_NAME_FR	Laidlaw Waste Systems (Ottawa) Ltd
UNIQUEID	Laidlaw Waste Systems (Ottawa) Ltd.Active
SHAPE_AREA	1394536.113954320084304
SHAPE_LEN	4939.257412663559990

C:\VALEY WORK\WEST CARLETON\SEPT 7 2023 STORM SEWER RELOCATION\211-10332-02-OS-1 OVERFLOW PLAN.dwg Sep 14, 2023 - 7:31am





55 KING STREET, SUITE 100
SCARBOROUGH, ONTARIO M1T 1A7
TEL: 905-881-1771 WWW.WSP.COM



PROPOSED OVERFLOW SEWER

WEST CARLETON ENVIRONMENTAL CENTRE

DWN BY: T C G
CHK BY: C O R

DATE: SEPTEMBER 7, 2023
SCALE: AS SHOWN

WASTE MANAGEMENT OF CANADA CORPORATION

DRAWING NO. 211-10332-02 - OS-1

DRAWING

OS-1



July 17, 2025

Ms. Amanda Gartshore
BluMetric Environmental Inc.
825 Milner Avenue
Scarborough, Ontario M1B 3C3
agartshore@blumetric.ca

Dear Amanda Gartshore:

RE: MECP FOI A-2025-04519, Your Reference #: PR03281 – Extension Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

2413 to 2415 (odd only) Carp Road, Stittsville (Ottawa)

Timeframe: January 1, 1920, to June 1, 2025

Please be assured that we are making every attempt to respond to your request as soon as possible. However, we wish to advise you that we have extended the time for a response in accordance with subsection 27(1)(a) of the Act for an additional **75** days to **October 22, 2025**.

The reason for the extension is that the request necessitates a search through a large number of records, approximately **550 pages** and meeting the time limit would unreasonably interfere with the operations of the institution. If you would like to reduce this extension by narrowing the scope of your request, please contact our office.

The extension provided above is based on a preliminary records search and may change once all searches have been completed. If you disagree with any aspect of the extension or wish to revise / narrow the scope of your request, **please contact us** quoting the request number.

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

Yours truly,
Jessica Wilson
for
Josephine DeSouza
Manager, Access and Privacy Office

Facility Report

Information for LAURYSEN KITCHENS

Reporting year	2023
Company	Lauryzen Kitchens Ltd.
Company Mailing Address	General Delivery 2415 Carp Road, Stittsville, Ontario, K2S 1B3, Canada
Portable Facility?	No
NPRI ID	11159
Facility Physical Address	2415 Carp Road, Stittsville, Ontario, K2S 1B3, Canada

Facility details

Business number	102997632					
DUNS	207475369					
Number of full-time employee equivalents	130					
Contact information	Michael Lauryzen Vice President of Operations 613-836-5353 1235 mlauryzen@laurysenkitchens.com English					
Parent company	Parent company	Percentage ownership	Address	Business number	DUNS Number	
Typical days of operation	mon /tue /wed /thu /fri					
Operating hours	8.00					
Start time	07:00					
Shutdown periods	Period	Start	End	Duration (day)	Same Time Next Year	Partial Shutdown
	1	2023-12-23	2023-12-31	8	Yes	No
Activities	Activities with no employee threshold					
	None of the above					
	Activities that require Part 3 reporting					
	None of the above					
	Other activities					
	The facility was subject to the Chromium Electroplating, Chromium Anodizing and Reverse Etching Regulations (SOR/2009-162)					

Report details

Type	NPRI Inventory
Last Updated	2024-05-10 9:30:02 AM
Other years' reports	2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2024
Facility is case 3	No
Facility is case 4	No

Geographical details

Latitude	45.2877
Longitude	-75.9694
Datum	1983
Census sub-division	Ottawa
Census division	Ottawa

Economic area	Ottawa
Census metropolitan and agglomeration area	Ottawa - Gatineau (Ontario part / partie de l'Ontario)
Ecozone	MixedWood Plain
Major drainage area	St. Lawrence Drainage Area
Land survey description	
National Topograph Description	C-048-D/031-G-5
Additional information	

Industry details

Key industrial sector	Other Manufacturing
NAICS2	Manufacturing
NAICS4	Household and institutional furniture and kitchen cabinet manufacturing
NAICS6 Primary	Wood kitchen cabinet and counter top manufacturing
NAICS6 Secondary	
NAICS6 Tertiary	

Pollution prevention

Plan details

Pollution prevention

Does the facility have a P2 plan?	The facility does not have a P2 plan
Reason for plan preparation	
Recent update	The report was not updated during the reporting year
Target of plan	

Activities

Primary activity	Secondary activity	Comment
No data available		

Other environmental programs

Other facility identifiers

ID number	Program
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Permits

Permit number	Issuing Agency
9636-AAZQBX	Ministry of Environment and Climate Change

Summary

Substance	CAS number	Units	Releases				Disposals and Transfers				Voluntary Report
			Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling	
PM10 - Particulate Matter <= 10 Micrometers	NA - M09	tonnes	1.284	-	-	1.284	-	-	-	-	
PM2.5 - Particulate Matter <= 2.5 Micrometers	NA - M10	tonnes	0.572	-	-	0.572	-	-	-	-	

Comments

Substance	CAS number	Comment Type	Comment
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Release to air

Substance	CAS number	Units	Stack/Point	Storage/Han	Fugitive	Spills	Road Dust	Other	Total
				dling					
PM10 - Particulate Matter <= 10 Micrometers	NA - M09	tonnes	1.284	-	-	-	-	-	1.284
PM2.5 - Particulate Matter <= 2.5 Micrometers	NA - M10	tonnes	0.572	-	-	-	-	-	0.572

Other years data

Year	CAS number	Substance	Units	Releases				Disposals and Transfers			
				Air	Water	Land	Total	On-site disposals	Off-site disposals	Off-site treatment	Off-site recycling
2004	630-08-0	Carbon monoxide	tonnes	0.012	-	-	0.012	-	-	-	-
2007	67-63-0	Isopropyl alcohol	tonnes	4.998	-	-	4.998	-	3.195	-	-
2006	67-63-0	Isopropyl alcohol	tonnes	4.489	-	-	4.489	-	2.525	-	-
2005	67-63-0	Isopropyl alcohol	tonnes	3.738	-	-	3.738	-	2.427	-	-
2004	67-63-0	Isopropyl alcohol	tonnes	2.830	-	-	2.830	-	0.576	-	-
2005	67-56-1	Methanol	tonnes	-	-	-	0.000	-	0.526	-	-
2004	67-56-1	Methanol	tonnes	-	-	-	0.000	-	-	-	-
2024	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	1.310	-	-	1.310	-	-	-	-
2022	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	1.399	-	-	1.399	-	-	-	-
2021	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	1.407	-	-	1.407	-	-	-	-
2020	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	1.259	-	-	1.259	-	-	-	-
2019	NA - M09	PM10 - Particulate Matter <= 10 Micrometers	tonnes	1.258	-	-	1.258	-	-	-	-
2024	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	0.583	-	-	0.583	-	-	-	-
2022	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	0.624	-	-	0.624	-	-	-	-
2021	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	0.627	-	-	0.627	-	-	-	-
2020	NA - M10	PM2.5 - Particulate Matter <= 2.5 Micrometers	tonnes	0.561	-	-	0.561	-	-	-	-
2019	NA - M10	PM2.5 - Particulate	tonnes	0.561	-	-	0.561	-	-	-	-

2019	NA - M10	Matter <= 2.5 Micrometers	tonnes	0.561	-	-	0.561	-	-	-	-
2004	7446-09-5	Sulphur dioxide	tonnes	0.000	-	-	0.000	-	-	-	-
2009	108-88-3	Toluene	tonnes	5.702	-	-	5.702	-	4.907	-	-
2008	108-88-3	Toluene	tonnes	6.978	-	-	6.978	-	4.169	-	-
2007	108-88-3	Toluene	tonnes	4.702	-	-	4.702	-	3.006	-	-
2006	108-88-3	Toluene	tonnes	4.305	-	-	4.305	-	2.422	-	-
2005	108-88-3	Toluene	tonnes	3.258	-	-	3.258	-	2.115	-	-
2004	108-88-3	Toluene	tonnes	5.302	-	-	5.302	-	1.076	-	-
2019	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	-	-	-	0.000	-	-	-	-
2017	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	11.100	-	-	11.100	-	-	-	-
2015	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	10.900	-	-	10.900	-	-	-	-
2014	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	15.900	-	-	15.900	-	-	-	-
2013	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	22.000	-	-	22.000	-	-	-	-
2012	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	11.280	-	-	11.280	-	-	-	-
2011	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	15.438	-	-	15.438	-	-	-	-
2010	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	16.992	-	-	16.992	-	-	-	-
2009	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	35.178	-	-	35.178	-	-	-	-
2008	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	42.393	-	-	42.393	-	-	-	-
2007	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	32.284	-	-	32.284	-	-	-	-
2006	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	28.472	-	-	28.472	-	-	-	-
2005	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	23.590	-	-	23.590	-	-	-	-
2004	NA - M16	Volatile Organic Compounds (VOCs)	tonnes	24.237	-	-	24.237	-	-	-	-
2009	1330-20-7	Xylene (all isomers)	tonnes	7.568	-	-	7.568	-	6.512	-	-
2008	1330-20-7	Xylene (all isomers)	tonnes	9.922	-	-	9.922	-	5.928	-	-
2007	1330-20-7	Xylene (all isomers)	tonnes	7.863	-	-	7.863	-	5.027	-	-
2006	1330-20-7	Xylene (all isomers)	tonnes	7.100	-	-	7.100	-	3.994	-	-
2005	1330-20-7	Xylene (all isomers)	tonnes	5.947	-	-	5.947	-	3.861	-	-
2004	1330-20-7	Xylene (all isomers)	tonnes	5.532	-	-	5.532	-	1.122	-	-

Substance detail

PM10 - Particulate Matter <= 10 Micrometers

Releases

Releases to air

Type	Units	Quantity	Basis of estimate
Stack / Point	tonnes	1.284000000	E2 - Published Emission Factors

Additional information

Contextual information

Nature of activities related to the substance	
Reasons for change from previous year	No Significant Change (i.e. < 0 - 10%)
Comments on releases	
Comments on releases to land – other	

Substance detail

PM2.5 - Particulate Matter <= 2.5 Micrometers

Releases

Releases to air

Type	Units	Quantity	Basis of estimate
Stack / Point	tonnes	0.572000000	E2 - Published Emission Factors

Additional information

Contextual information

Nature of activities related to the substance	
Reasons for change from previous year	No Significant Change (i.e. < 0 - 10%)
Comments on releases	
Comments on releases to land – other	

Amanda Gartshore

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: June 12, 2025 3:02 PM
To: Emily Fletcher
Subject: RE: PR03281 - Stittsville Information Request

You don't often get email from publicinformationsservices@tssa.org. [Learn why this is important](#)

Hello ,

RECORD FOUND IN CURRENT DATABASE:

- We confirm that there are **fuels records** in our database at the subject address(es).

Inventory Number	Address	City	Province	Postal Code	Status	Reason Code	Asset Class / Inventory Context	Asset Type / Inventory Item
10281295	2394 CARP RD	STITTSVILLE	ON	K2S 1B9	Active	Active	FS Facility	FS PRIVATE FUEL OUTLET - SELF SERVE
11597866	2394 CARP RD	STITTSVILLE	ON	K2S 1B9	Active	Active	FS Liquid Fuel Tank	FS LIQUID FUEL TANK

***NO OTHER FUEL RECORDS FOUND IN CURRENT DATABASE FOR THIS REQUEST**

For a further search in our archives, please go to the [TSSA Client Portal](#) to complete an Application for Release of Public Information. Please refer to [Training \(tssa.org\)](#) for instructions on how to use the portal. Please refer to [How to Submit a Public Information Request \(tssa.org\)](#) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

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

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationsservices@tssa.org.

Kind regards,



Melanie Fowler | Public Information Releases Agent

Legal

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1 416-734-3593 | Fax: +1 416-231-4903 | E-Mail: mfowler@tssa.org

www.tssa.org



Winner of 2023 5-Star Safety Cultures Award

From: Emily Fletcher <efletcher@blumetric.ca>

Sent: Thursday, June 12, 2025 2:50 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: PR03281 - Stittsville Information Request

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hi,

Can you please complete a search for the following addresses and let me know the results?

1. 2415 Carp Rd, Stittsville
2. 2413 Carp Rd, Stittsville
3. 2375 Carp Rd, Stittsville
4. 2383 Carp Rd, Stittsville
5. 2389 Carp Rd, Stittsville
6. 2393 Carp Rd, Stittsville
7. 2394 Carp Rd, Stittsville
8. 2397 Carp Rd, Stittsville
9. 2425 Carp Rd, Stittsville

10. 2436 Carp Rd, Stittsville
11. 512 William Mooney Rd, Stittsville

Thank you,
Emily



Emily Fletcher
Environmental Scientist

(T) 877-487-8436 x 422



efletcher@blumetric.ca - www.blumetric.ca

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.



TECHNICAL MEMORANDUM

DATE May 22, 2025

Project No. CA0051319.2938

TO Remi Godin, P.Eng., Senior Area Manager
Waste Management of Canada Corporation

FROM Kelly Patterson, P.Geo. (Limited)

SOIL ANALYSIS TO SUPPORT THE MAINTENANCE BUILDING PERMIT APPLICATION WCEC, 2393 CARP ROAD, OTTAWA

WSP Canada Inc. (WSP) completed a geotechnical investigation at the West Carlton Environmental Centre (WCEC) located at 2393 Carp Road in Ottawa, Ontario. The investigation was completed to support the building permit application for a maintenance building to be constructed approximately 70 metres (m) from the landfill boundary with a gas detector system installed within the building. The investigation included drilling four (4) boreholes as shown on the figure attached.

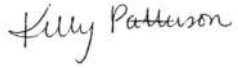
As part of the geotechnical investigation, five (5) composite soil samples were collected at varying depths from the boreholes four (4). Sample 1 was a composite sample from a depth of surface to 0.61 m from each of the four boreholes and consisted of gravel, silt, sand and topsoil. Sample 2 was a composite from a depth of 0.61 to 1.1 m from each of the four boreholes and consisted of sand and silt. Sample 3 was a composite from a depth of 1.1 to 1.7 m from each of the four boreholes and consisted of sand and silt. Sample 4 was a composite from a depth of 1.7 to 2.4 m from each of the four boreholes and consisted of coarse sand. Sample 5 was a composite from a depth of 2.4 to 2.8 m from each of the four boreholes and consisted of coarse sand. The five (5) composite samples (Sample 1 to Sample 5) were submitted to Paracel Laboratories Ltd. for analysis pH, metals including hydrides, Volatile Organic Compounds (VOCs), Petroleum Hydrocarbons (PHCs) in the F1 to F4 ranges and Polycyclic Aromatic Hydrocarbons (PAHs). Corrosivity, sulphate and chloride will be reported in the geotechnical investigation report.

The Environmental Compliance Approval (ECA) Number A461002 for the landfill indicates (paragraph 6.9) that soil to be used as intermediate or final cover, or anywhere at the landfill is to meet the Table 7 Site Condition Standards for shallow soil and a non-potable ground water condition.

The soil samples collected during the geotechnical investigation were compared to the Table 7 SCS, as shown in the attached tables. The five (5) samples meet the Table 7 SCS and can be used as fill at the WCEC.

We trust the information presented herein meets your requirements. If you have any questions, please contact the undersigned.

WSP Canada Inc.



Kelly Patterson, P.Geo. (Limited)
Team Lead, Environmental Geoscientist



Patrick Shriner, P.Geo., QPESA
Principal, Environmental Geoscientist

KP/PS/rc

Attachments: Appendix A – Figure
Appendix B – Soil Samples
Appendix C – Tables

APPENDIX A

Figure

APPENDIX B

Soil Samples

Certificate of Analysis

WSP Canada Inc. (St. Catharines)

55 King Street, Suite 700
St. Catharines, ON L2R 3H5
Attn: Cristina Olarte

Client PO: CA0051319.2938 Task 200
Project: CA0051319.2938 Task 200
Custody: 79012

Report Date: 13-May-2025
Order Date: 12-May-2025

Order #: 2520119

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Parcel ID	Client ID
2520119-01	SAMPLE 1
2520119-02	SAMPLE 2
2520119-03	SAMPLE 3
2520119-04	SAMPLE 4
2520119-05	SAMPLE 5

Approved By:



Mark Foto, M.Sc.
Laboratory Director

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Anions	EPA 300.1 - IC, water extraction	13-May-25	13-May-25
pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	13-May-25	13-May-25
PHC F1	CWS Tier 1 - P&T GC-FID	13-May-25	13-May-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	13-May-25	13-May-25
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	13-May-25	13-May-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	13-May-25	13-May-25
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	13-May-25	13-May-25
Resistivity	EPA 120.1 - probe, water extraction	13-May-25	13-May-25
Solids, %	CWS Tier 1 - Gravimetric	13-May-25	13-May-25

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Client ID:	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4		
Sample Date:	12-May-25 09:30	12-May-25 09:45	12-May-25 09:45	12-May-25 09:45	-	-
Sample ID:	2520119-01	2520119-02	2520119-03	2520119-04		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	94.4	95.8	97.6	94.6	-	-
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General Inorganics

pH	0.05 pH Units	7.64	7.86	7.88	7.93	-	-
Resistivity	0.1 Ohm.m	27.9	36.0	72.4	107	-	-

Anions

Chloride	10 ug/g	108	43	24	<10	-	-
Sulphate	10 ug/g	50	38	16	<10	-	-

Metals

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	3.0	3.1	2.1	1.6	-	-
Barium	1.0 ug/g	79.2	49.1	50.9	25.3	-	-
Beryllium	0.5 ug/g	<0.5	0.6	<0.5	<0.5	-	-
Boron	5.0 ug/g	10.7	10.2	<5.0	<5.0	-	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Chromium	5.0 ug/g	21.3	24.9	12.1	9.2	-	-
Cobalt	1.0 ug/g	7.3	8.8	4.6	4.3	-	-
Copper	5.0 ug/g	11.3	12.7	8.3	12.1	-	-
Lead	1.0 ug/g	11.5	6.9	9.3	2.2	-	-
Molybdenum	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Nickel	5.0 ug/g	18.5	14.9	7.8	7.1	-	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Uranium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Vanadium	10.0 ug/g	34.9	53.2	23.6	19.5	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

	Client ID:	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4		
	Sample Date:	12-May-25 09:30	12-May-25 09:45	12-May-25 09:45	12-May-25 09:45	-	-
	Sample ID:	2520119-01	2520119-02	2520119-03	2520119-04		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Zinc	20.0 ug/g	51.8	38.4	34.5	<20.0	-	-
Volatiles							
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Client ID:	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4		
Sample Date:	12-May-25 09:30	12-May-25 09:45	12-May-25 09:45	12-May-25 09:45	-	-
Sample ID:	2520119-01	2520119-02	2520119-03	2520119-04		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Volatiles

Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene-d8	Surrogate	104%	104%	103%	104%	-	-
Dibromofluoromethane	Surrogate	92.1%	90.4%	89.8%	92.0%	-	-
4-Bromofluorobenzene	Surrogate	96.9%	96.2%	95.4%	96.8%	-	-

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Client ID:	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4		
Sample Date:	12-May-25 09:30	12-May-25 09:45	12-May-25 09:45	12-May-25 09:45	-	-
Sample ID:	2520119-01	2520119-02	2520119-03	2520119-04		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Hydrocarbons

F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	<8	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	<6	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	<0.04	-	-
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
2-Fluorobiphenyl	Surrogate	73.4%	74.3%	71.1%	70.8%	-	-
Terphenyl-d14	Surrogate	73.3%	73.1%	72.8%	67.8%	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Client ID:	SAMPLE 5					
Sample Date:	12-May-25 09:45					
Sample ID:	2520119-05					
Matrix:	Soil					
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	96.7	-	-	-	-
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General Inorganics

pH	0.05 pH Units	7.98	-	-	-	-
Resistivity	0.1 Ohm.m	119	-	-	-	-

Anions

Chloride	10 ug/g	<10	-	-	-	-
Sulphate	10 ug/g	<10	-	-	-	-

Metals

Antimony	1.0 ug/g	<1.0	-	-	-	-
Arsenic	1.0 ug/g	1.8	-	-	-	-
Barium	1.0 ug/g	25.3	-	-	-	-
Beryllium	0.5 ug/g	<0.5	-	-	-	-
Boron	5.0 ug/g	<5.0	-	-	-	-
Cadmium	0.5 ug/g	<0.5	-	-	-	-
Chromium	5.0 ug/g	11.3	-	-	-	-
Cobalt	1.0 ug/g	5.7	-	-	-	-
Copper	5.0 ug/g	14.1	-	-	-	-
Lead	1.0 ug/g	2.6	-	-	-	-
Molybdenum	1.0 ug/g	<1.0	-	-	-	-
Nickel	5.0 ug/g	8.9	-	-	-	-
Selenium	1.0 ug/g	<1.0	-	-	-	-
Silver	0.3 ug/g	<0.3	-	-	-	-
Thallium	1.0 ug/g	<1.0	-	-	-	-
Uranium	1.0 ug/g	<1.0	-	-	-	-
Vanadium	10.0 ug/g	28.9	-	-	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Client ID: SAMPLE 5
Sample Date: 12-May-25 09:45
Sample ID: 2520119-05
Matrix: Soil

MDL/Units

Metals

Zinc	20.0 ug/g	<20.0	-	-	-	-	-
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Volatiles

Acetone	0.50 ug/g	<0.50	-	-	-	-	-
Benzene	0.02 ug/g	<0.02	-	-	-	-	-
Bromodichloromethane	0.05 ug/g	<0.05	-	-	-	-	-
Bromoform	0.05 ug/g	<0.05	-	-	-	-	-
Bromomethane	0.05 ug/g	<0.05	-	-	-	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	-	-	-	-	-
Chlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
Chloroform	0.05 ug/g	<0.05	-	-	-	-	-
Dibromochloromethane	0.05 ug/g	<0.05	-	-	-	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	-	-	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	-	-	-	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	-	-	-	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	-	-	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-
1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	-	-	-	-
Ethylbenzene	0.05 ug/g	<0.05	-	-	-	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Client ID: SAMPLE 5
Sample Date: 12-May-25 09:45
Sample ID: 2520119-05
Matrix: Soil

MDL/Units

Volatiles

Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	-	-	-	-
Hexane	0.05 ug/g	<0.05	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	-	-	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	-	-	-	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	-	-	-	-
Methylene Chloride	0.05 ug/g	<0.05	-	-	-	-	-
Styrene	0.05 ug/g	<0.05	-	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
Toluene	0.05 ug/g	<0.05	-	-	-	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	-	-	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	-	-	-	-
Trichloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	-	-	-	-	-
Vinyl chloride	0.02 ug/g	<0.02	-	-	-	-	-
m,p-Xylenes	0.05 ug/g	<0.05	-	-	-	-	-
o-Xylene	0.05 ug/g	<0.05	-	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05	-	-	-	-	-
Toluene-d8	Surrogate	101%	-	-	-	-	-
Dibromofluoromethane	Surrogate	92.3%	-	-	-	-	-
4-Bromofluorobenzene	Surrogate	93.3%	-	-	-	-	-

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	-	-	-	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	-	-	-	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Client ID: SAMPLE 5
Sample Date: 12-May-25 09:45
Sample ID: 2520119-05
Matrix: Soil

MDL/Units

Hydrocarbons

F3 PHCs (C16-C34)	8 ug/g	<8	-	-	-	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	-	-	-	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	-	-	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	-	-	-	-
Anthracene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	-	-	-	-
Chrysene	0.02 ug/g	<0.02	-	-	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	-	-	-	-
Fluoranthene	0.02 ug/g	<0.02	-	-	-	-	-
Fluorene	0.02 ug/g	<0.02	-	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	-	-	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	-	-	-	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	-	-	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	-	-	-	-	-
Naphthalene	0.01 ug/g	<0.01	-	-	-	-	-
Phenanthrene	0.02 ug/g	<0.02	-	-	-	-	-
Pyrene	0.02 ug/g	<0.02	-	-	-	-	-
2-Fluorobiphenyl	Surrogate	50.3%	-	-	-	-	-
Terphenyl-d14	Surrogate	49.6%	-	-	-	-	-

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions								
Chloride	ND	10	ug/g					
Sulphate	ND	10	ug/g					
General Inorganics								
Resistivity	ND	0.1	Ohm.m					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	7	ug/g					
F2 PHCs (C10-C16)	ND	4	ug/g					
F3 PHCs (C16-C34)	ND	8	ug/g					
F4 PHCs (C34-C50)	ND	6	ug/g					
Metals								
Antimony	ND	1.0	ug/g					
Arsenic	ND	1.0	ug/g					
Barium	ND	1.0	ug/g					
Beryllium	ND	0.5	ug/g					
Boron	ND	5.0	ug/g					
Cadmium	ND	0.5	ug/g					
Chromium	ND	5.0	ug/g					
Cobalt	ND	1.0	ug/g					
Copper	ND	5.0	ug/g					
Lead	ND	1.0	ug/g					
Molybdenum	ND	1.0	ug/g					
Nickel	ND	5.0	ug/g					
Selenium	ND	1.0	ug/g					
Silver	ND	0.3	ug/g					
Thallium	ND	1.0	ug/g					
Uranium	ND	1.0	ug/g					
Vanadium	ND	10.0	ug/g					
Zinc	ND	20.0	ug/g					
Semi-Volatiles								
Acenaphthene	ND	0.02	ug/g					
Acenaphthylene	ND	0.02	ug/g					
Anthracene	ND	0.02	ug/g					

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] anthracene	ND	0.02	ug/g					
Benzo [a] pyrene	ND	0.02	ug/g					
Benzo [b] fluoranthene	ND	0.02	ug/g					
Benzo [g,h,i] perylene	ND	0.02	ug/g					
Benzo [k] fluoranthene	ND	0.02	ug/g					
Chrysene	ND	0.02	ug/g					
Dibenzo [a,h] anthracene	ND	0.02	ug/g					
Fluoranthene	ND	0.02	ug/g					
Fluorene	ND	0.02	ug/g					
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g					
1-Methylnaphthalene	ND	0.02	ug/g					
2-Methylnaphthalene	ND	0.02	ug/g					
Methylnaphthalene (1&2)	ND	0.04	ug/g					
Naphthalene	ND	0.01	ug/g					
Phenanthrene	ND	0.02	ug/g					
Pyrene	ND	0.02	ug/g					
Surrogate: 2-Fluorobiphenyl	0.846		%	63.5	50-140			
Surrogate: Terphenyl-d14	1.08		%	80.6	50-140			
Volatiles								
Acetone	ND	0.50	ug/g					
Benzene	ND	0.02	ug/g					
Bromodichloromethane	ND	0.05	ug/g					
Bromoform	ND	0.05	ug/g					
Bromomethane	ND	0.05	ug/g					
Carbon Tetrachloride	ND	0.05	ug/g					
Chlorobenzene	ND	0.05	ug/g					
Chloroform	ND	0.05	ug/g					
Dibromochloromethane	ND	0.05	ug/g					
Dichlorodifluoromethane	ND	0.05	ug/g					
1,2-Dichlorobenzene	ND	0.05	ug/g					
1,3-Dichlorobenzene	ND	0.05	ug/g					
1,4-Dichlorobenzene	ND	0.05	ug/g					

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethane	ND	0.05	ug/g					
1,2-Dichloroethane	ND	0.05	ug/g					
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	7.62		%	95.3	50-140			
Surrogate: Dibromofluoromethane	6.38		%	79.8	50-140			
Surrogate: Toluene-d8	8.45		%	106	50-140			

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	ND	10	ug/g	ND			NC	35	
Sulphate	188	10	ug/g	188			0.2	35	
General Inorganics									
pH	6.85	0.05	pH Units	6.90			0.7	2.3	
Resistivity	66.1	0.1	Ohm.m	63.0			4.8	20	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g	ND			NC	30	
F3 PHCs (C16-C34)	ND	8	ug/g	ND			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	ND			NC	30	
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	2.6	1.0	ug/g	2.0			23.5	30	
Barium	52.7	1.0	ug/g	44.1			17.8	30	
Beryllium	ND	0.5	ug/g	ND			NC	30	
Boron	ND	5.0	ug/g	ND			NC	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium	19.3	5.0	ug/g	15.0			25.4	30	
Cobalt	5.1	1.0	ug/g	4.1			21.2	30	
Copper	13.6	5.0	ug/g	11.0			21.1	30	
Lead	15.1	1.0	ug/g	12.1			21.5	30	
Molybdenum	ND	1.0	ug/g	ND			NC	30	
Nickel	10.7	5.0	ug/g	8.9			18.3	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	0.4	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	ND	1.0	ug/g	ND			NC	30	
Vanadium	30.9	10.0	ug/g	24.0			25.2	30	
Zinc	53.9	20.0	ug/g	44.1			20.0	30	

Physical Characteristics

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
% Solids	76.8	0.1	% by Wt.	77.6			1.0	25	
Semi-Volatiles									
Acenaphthene	ND	0.02	ug/g	ND			NC	40	
Acenaphthylene	ND	0.02	ug/g	ND			NC	40	
Anthracene	ND	0.02	ug/g	ND			NC	40	
Benzo [a] anthracene	ND	0.02	ug/g	ND			NC	40	
Benzo [a] pyrene	ND	0.02	ug/g	ND			NC	40	
Benzo [b] fluoranthene	ND	0.02	ug/g	ND			NC	40	
Benzo [g,h,i] perylene	ND	0.02	ug/g	ND			NC	40	
Benzo [k] fluoranthene	ND	0.02	ug/g	ND			NC	40	
Chrysene	ND	0.02	ug/g	ND			NC	40	
Dibenzo [a,h] anthracene	ND	0.02	ug/g	ND			NC	40	
Fluoranthene	ND	0.02	ug/g	ND			NC	40	
Fluorene	ND	0.02	ug/g	ND			NC	40	
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g	ND			NC	40	
1-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
2-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
Naphthalene	ND	0.01	ug/g	ND			NC	40	
Phenanthrene	ND	0.02	ug/g	ND			NC	40	
Pyrene	ND	0.02	ug/g	ND			NC	40	
Surrogate: 2-Fluorobiphenyl	0.933		%		66.1	50-140			
Surrogate: Terphenyl-d14	0.947		%		67.1	50-140			
Volatiles									
Acetone	ND	0.50	ug/g	ND			NC	50	
Benzene	ND	0.02	ug/g	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g	ND			NC	50	
Bromoform	ND	0.05	ug/g	ND			NC	50	
Bromomethane	ND	0.05	ug/g	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g	ND			NC	50	
Chlorobenzene	ND	0.05	ug/g	ND			NC	50	
Chloroform	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Dibromochloromethane	ND	0.05	ug/g	ND			NC	50	
Dichlorodifluoromethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,4-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g	ND			NC	50	
Hexane	ND	0.05	ug/g	ND			NC	50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g	ND			NC	50	
Styrene	ND	0.05	ug/g	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g	ND			NC	50	
Vinyl chloride	ND	0.02	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	10.5		%		104	50-140			
Surrogate: Dibromofluoromethane	9.49		%		93.8	50-140			
Surrogate: Toluene-d8	11.5		%		114	50-140			

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	104	10	ug/g	ND	104	82-118			
Sulphate	277	10	ug/g	188	89.3	80-120			
Hydrocarbons									
F1 PHCs (C6-C10)	181	7	ug/g	ND	105	85-115			
F2 PHCs (C10-C16)	88	4	ug/g	ND	90.2	60-140			
F3 PHCs (C16-C34)	244	8	ug/g	ND	102	60-140			
F4 PHCs (C34-C50)	159	6	ug/g	ND	106	60-140			
Metals									
Antimony	43.8	1.0	ug/g	ND	87.5	70-130			
Arsenic	51.5	1.0	ug/g	ND	101	70-130			
Barium	68.2	1.0	ug/g	17.6	101	70-130			
Beryllium	51.8	0.5	ug/g	ND	103	70-130			
Boron	47.8	5.0	ug/g	ND	93.0	70-130			
Cadmium	49.1	0.5	ug/g	ND	98.1	70-130			
Chromium	60.4	5.0	ug/g	6.0	109	70-130			
Cobalt	48.1	1.0	ug/g	1.6	92.9	70-130			
Copper	54.7	5.0	ug/g	ND	101	70-130			
Lead	48.9	1.0	ug/g	4.9	88.1	70-130			
Molybdenum	51.9	1.0	ug/g	ND	104	70-130			
Nickel	55.8	5.0	ug/g	ND	105	70-130			
Selenium	51.6	1.0	ug/g	ND	103	70-130			
Silver	41.4	0.3	ug/g	ND	82.6	70-130			
Thallium	45.5	1.0	ug/g	ND	90.9	70-130			
Uranium	47.8	1.0	ug/g	ND	95.1	70-130			
Vanadium	63.5	10.0	ug/g	ND	108	70-130			
Zinc	67.6	20.0	ug/g	ND	99.8	70-130			
Semi-Volatiles									
Acenaphthene	0.150	0.02	ug/g	ND	85.2	50-140			
Acenaphthylene	0.153	0.02	ug/g	ND	86.9	50-140			
Anthracene	0.143	0.02	ug/g	ND	81.1	50-140			

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] anthracene	0.140	0.02	ug/g	ND	79.4	50-140			
Benzo [a] pyrene	0.140	0.02	ug/g	ND	79.2	50-140			
Benzo [b] fluoranthene	0.158	0.02	ug/g	ND	89.4	50-140			
Benzo [g,h,i] perylene	0.151	0.02	ug/g	ND	85.8	50-140			
Benzo [k] fluoranthene	0.151	0.02	ug/g	ND	85.6	50-140			
Chrysene	0.150	0.02	ug/g	ND	85.0	50-140			
Dibenzo [a,h] anthracene	0.158	0.02	ug/g	ND	89.4	50-140			
Fluoranthene	0.156	0.02	ug/g	ND	88.1	50-140			
Fluorene	0.149	0.02	ug/g	ND	84.4	50-140			
Indeno [1,2,3-cd] pyrene	0.152	0.02	ug/g	ND	86.1	50-140			
1-Methylnaphthalene	0.155	0.02	ug/g	ND	87.9	50-140			
2-Methylnaphthalene	0.157	0.02	ug/g	ND	88.9	50-140			
Naphthalene	0.139	0.01	ug/g	ND	78.6	50-140			
Phenanthrene	0.157	0.02	ug/g	ND	89.1	50-140			
Pyrene	0.155	0.02	ug/g	ND	88.0	50-140			
Surrogate: 2-Fluorobiphenyl	1.03		%		73.0	50-140			
Surrogate: Terphenyl-d14	1.09		%		77.3	50-140			
Volatiles									
Acetone	13.1	0.50	ug/g	ND	131	50-140			
Benzene	4.41	0.02	ug/g	ND	110	60-130			
Bromodichloromethane	3.88	0.05	ug/g	ND	97.0	60-130			
Bromoform	3.91	0.05	ug/g	ND	97.7	60-130			
Bromomethane	4.84	0.05	ug/g	ND	121	50-140			
Carbon Tetrachloride	3.78	0.05	ug/g	ND	94.6	60-130			
Chlorobenzene	4.74	0.05	ug/g	ND	119	60-130			
Chloroform	4.46	0.05	ug/g	ND	112	60-130			
Dibromochloromethane	3.88	0.05	ug/g	ND	96.9	60-130			
Dichlorodifluoromethane	4.50	0.05	ug/g	ND	113	50-140			
1,2-Dichlorobenzene	4.30	0.05	ug/g	ND	108	60-130			
1,3-Dichlorobenzene	4.34	0.05	ug/g	ND	108	60-130			
1,4-Dichlorobenzene	4.38	0.05	ug/g	ND	110	60-130			

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethane	4.29	0.05	ug/g	ND	107	60-130			
1,2-Dichloroethane	4.74	0.05	ug/g	ND	118	60-130			
1,1-Dichloroethylene	4.47	0.05	ug/g	ND	112	60-130			
cis-1,2-Dichloroethylene	4.38	0.05	ug/g	ND	109	60-130			
trans-1,2-Dichloroethylene	4.43	0.05	ug/g	ND	111	60-130			
1,2-Dichloropropane	4.31	0.05	ug/g	ND	108	60-130			
cis-1,3-Dichloropropylene	3.83	0.05	ug/g	ND	95.7	60-130			
trans-1,3-Dichloropropylene	3.83	0.05	ug/g	ND	95.8	60-130			
Ethylbenzene	4.73	0.05	ug/g	ND	118	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	3.78	0.05	ug/g	ND	94.4	60-130			
Hexane	4.84	0.05	ug/g	ND	121	60-130			
Methyl Ethyl Ketone (2-Butanone)	10.7	0.50	ug/g	ND	107	50-140			
Methyl Isobutyl Ketone	9.96	0.50	ug/g	ND	99.6	50-140			
Methyl tert-butyl ether	11.3	0.05	ug/g	ND	113	50-140			
Methylene Chloride	5.01	0.05	ug/g	ND	125	60-130			
Styrene	4.91	0.05	ug/g	ND	123	60-130			
1,1,1,2-Tetrachloroethane	3.61	0.05	ug/g	ND	90.2	60-130			
1,1,2,2-Tetrachloroethane	3.72	0.05	ug/g	ND	92.9	60-130			
Tetrachloroethylene	4.27	0.05	ug/g	ND	107	60-130			
Toluene	5.04	0.05	ug/g	ND	126	60-130			
1,1,1-Trichloroethane	4.05	0.05	ug/g	ND	101	60-130			
1,1,2-Trichloroethane	4.10	0.05	ug/g	ND	102	60-130			
Trichloroethylene	4.20	0.05	ug/g	ND	105	60-130			
Trichlorofluoromethane	4.21	0.05	ug/g	ND	105	50-140			
Vinyl chloride	4.87	0.02	ug/g	ND	122	50-140			
m,p-Xylenes	9.80	0.05	ug/g	ND	122	60-130			
o-Xylene	4.87	0.05	ug/g	ND	122	60-130			
Surrogate: 4-Bromofluorobenzene	7.15		%		89.4	50-140			
Surrogate: Dibromofluoromethane	6.92		%		86.5	50-140			
Surrogate: Toluene-d8	8.07		%		101	50-140			



Order #: 2520119

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Qualifier Notes:

Login Qualifiers :

Sample - F1/BTEX/VOCs (soil) not submitted according to Reg. 153/04, Amended 2011 - not field preserved. Prepared in the lab as directed by client.

Applies to Samples: SAMPLE 1, SAMPLE 2, SAMPLE 3, SAMPLE 4, SAMPLE 5

Sample Data Revisions:

None

Certificate of Analysis

Report Date: 13-May-2025

Client: WSP Canada Inc. (St. Catharines)

Order Date: 12-May-2025

Client PO: CA0051319.2938 Task 200

Project Description: CA0051319.2938 Task 200

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Soil results are reported on a dry weight basis unless otherwise noted.

Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.

- F1 range corrected for BTEX.

- F2 to F3 ranges corrected for appropriate PAHs where available.

- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.

- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.

- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.



Client Name: WSP CANADA INC	Project Ref:	Page <u> </u> of <u> </u>
Contact Name: CRISTINA OLARTE	Quote #: 25-283 CA0051319,2938	Turnaround Time
Address: 55 ST CATHERINES	PO #:	☒ 1 day ☐ 3 day
ONTARIO	E-mail: CRISTINA.OLARTE@WSP.COM	☐ 2 day ☐ Regular
Telephone: 343 9971419	SAHIL GAIND @ WSP.COM	Date Required: ASAP

☐ REG 153/04 ☐ REG 406/19 Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis															
☐ Table 1 ☐ Agri/Other ☐ Med/Fine ☐ Table 2 ☐ Res/Park ☐ Coarse ☐ Table 3 ☐ Ind/Comm ☐ Table <u> </u> For RSC: ☐ Yes ☐ No	☐ REG 558 ☐ PWCO ☐ CCME ☐ MISA ☐ SU - Sani ☐ SU - Storm Mun: <u> </u> ☐ Other: <u> </u>	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		CORROSIVITY	HEAVY METALS	PAH'S	PCB'S	PFAS							
Sample ID/Location Name						Date	Time												
1 B SAMPLE 1						25/05/12	9:30	/	/	/	/	/							
2 1 2						1/	9:45	/	/	/	/	/							
3 1 3						1/	1/	/	/	/	/								
4 1 4						1/	1/	/	/	/	/								
5 1 5						1/	1/	/	/	/	/								
6																			
7																			
8																			
9																			
10																			

Comments:				Method of Delivery: WALK IN	
Relinquished By (Sig): Sahil	Received at Depot:	Received at Lab: JM	Verified By: SO		
Relinquished By (Print): SAHIL-GAIND	Date/Time:	Date/Time: May 12 2025 1600	Date/Time: May 12 2025 4:00pm		
Date/Time: 2025/05/12 (4:00PM)	Temperature: <u> </u> °C	Temperature: 25.4 °C	pH Verified: ☐ By: <u> </u>		

APPENDIX C

Tables

Table 1

Summary of Metals, Hydride Metals and Other
Reportable Parameters Soil Analyses

Sample Location			Table 7 SCS I/C/C coarse soil	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Sample Depth (m)				2520119-01 12-May-25	2520119-02 12-May-25	2520119-03 12-May-25	2520119-04 12-May-25	2520119-05 12-May-25
Laboratory Sample ID								
Sample Date								
Parameters	Units	RL						
Metals and Inorganics								
Antimony	ug/g	1	40	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Arsenic	ug/g	1	18	3.0	3.1	2.1	1.6	1.8
Barium	ug/g	1	670	79.2	49.1	50.9	25.3	25.3
Beryllium	ug/g	0.5	8	ND (0.5)	0.6	ND (0.5)	ND (0.5)	ND (0.5)
Boron	ug/g	5	120	10.7	10.2	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium	ug/g	0.5	1.9	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chromium	ug/g	5	160	21.3	24.9	12.1	9.2	11.3
Cobalt	ug/g	1	80	7.3	8.8	4.6	4.3	5.7
Copper	ug/g	5	230	11.3	12.7	8.3	12.1	14.1
Lead	ug/g	1	120	11.5	6.9	9.3	2.2	2.6
Molybdenum	ug/g	1	40	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Nickel	ug/g	5	270	18.5	14.9	7.8	7.1	8.9
Selenium	ug/g	1	5.5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Silver	ug/g	0.3	40	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Thallium	ug/g	1	3.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium	ug/g	1	33	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vanadium	ug/g	10	86	34.9	53.2	23.6	19.5	28.9
Zinc	ug/g	20	340	51.8	38.4	34.5	ND (20.0)	ND (20.0)
pH (pH Units)	%	0.05	NV	7.64	7.86	7.88	7.93	7.98

Table 2

Summary of Polycyclic Aromatic Hydrocarbon Soil Analyses

Sample Location			Table 7 SCS I/C/C coarse soil	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Sample Depth (m)								
Laboratory Sample ID				2520119-01	2520119-02	2520119-03	2520119-04	2520119-05
Sample Date				12-May-25	12-May-25	12-May-25	12-May-25	12-May-25
Parameters	Units	RL						
Polycyclic Aromatic Hydrocarbons (PAHs)								
Acenaphthene	µg/g	0.02	96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acenaphthylene	µg/g	0.02	0.15	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Anthracene	µg/g	0.02	0.67	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[a]anthracene	µg/g	0.02	0.96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[a]pyrene	µg/g	0.02	0.3	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[b]fluoranthene	µg/g	0.02	0.96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[g,h,i]perylene	µg/g	0.02	9.6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[k]fluoranthene	µg/g	0.02	0.96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Chrysene	µg/g	0.02	9.6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Dibenzo[a,h]anthracene	µg/g	0.02	0.1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluoranthene	µg/g	0.02	9.6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluorene	µg/g	0.02	62	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Indeno [1,2,3-cd] pyrene	µg/g	0.02	0.76	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
1-Methylnaphthalene	µg/g	0.02	76	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
2-Methylnaphthalene	µg/g	0.02	76	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Methylnaphthalene (1&2)	µg/g	0.03	76	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)
Naphthalene	µg/g	0.01	9.6	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Phenanthrene	µg/g	0.02	12	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Pyrene	µg/g	0.02	96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)



Table 3

Summary of Petroleum Hydrocarbon and Volatile Organic
Compounds Soil Analyses

Sample Location			Table 7 SCS I/C/C coarse soil	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Sample Depth (m)								
Laboratory Sample ID				2520119-01 12-May-25	2520119-02 12-May-25	2520119-03 12-May-25	2520119-04 12-May-25	2520119-05 12-May-25
Sample Date								
Parameters	Units	RL						
Volatile Organic Compounds (VOCs)								
Acetone	µg/g	0.5	16	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Benzene	µg/g	0.02	0.32	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Bromodichloromethane	µg/g	0.05	18	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromoform	µg/g	0.05	0.61	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromomethane	µg/g	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Carbon Tetrachloride	µg/g	0.05	0.21	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chlorobenzene	µg/g	0.05	2.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chloroform	µg/g	0.05	0.47	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dibromochloromethane	µg/g	0.05	13	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dichlorodifluoromethane	µg/g	0.05	16	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichlorobenzene	µg/g	0.05	6.8	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,3-Dichlorobenzene	µg/g	0.05	9.6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,4-Dichlorobenzene	µg/g	0.05	0.2	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethane	µg/g	0.05	17	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloroethane	µg/g	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethylene	µg/g	0.05	0.064	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,2-Dichloroethylene	µg/g	0.05	55	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,2-Dichloroethylene	µg/g	0.05	1.3	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloropropane	µg/g	0.05	0.16	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,3-Dichloropropylene	µg/g	0.05	NV	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,3-Dichloropropylene	µg/g	0.05	NV	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,3-Dichloropropene, total	µg/g	0.05	0.18	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Ethylbenzene	µg/g	0.05	9.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Ethylene dibromide (dibromoethane, 1,2-)	µg/g	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Hexane	µg/g	0.05	46	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methyl Ethyl Ketone (2-Butanone)	µg/g	0.5	70	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Isobutyl Ketone	µg/g	0.5	31	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl tert-butyl ether	µg/g	0.05	11	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methylene Chloride	µg/g	0.05	1.6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Styrene	µg/g	0.05	34	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1,2-Tetrachloroethane	µg/g	0.05	0.087	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1,2,2-Tetrachloroethane	µg/g	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Tetrachloroethylene	µg/g	0.05	4.5	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Toluene	µg/g	0.05	68	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1,1-Trichloroethane	µg/g	0.05	6.1	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,2,2-Trichloroethane	µg/g	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichloroethylene	µg/g	0.05	0.91	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichlorofluoromethane	µg/g	0.05	4	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Vinyl Chloride	µg/g	0.02	0.032	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
m/p-Xylene	µg/g	0.05	NV	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
o-Xylene	µg/g	0.05	NV	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Xylenes, total	µg/g	0.05	26	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Petroleum Hydrocarbons (PHCs)								
F1 (C6-C10)	µg/g	7	55	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)
F2 (C10-C16)	µg/g	4	230	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
F3 (C16-C34)	µg/g	8	1700	ND (8)	ND (8)	ND (8)	ND (8)	ND (8)
F4 (C34-C50)	µg/g	6	3300	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)



Memorandum

To: Waste Management of Canada
From: BluMetric Environmental Inc.
Date: August 7, 2025
Re: Soil Sampling at 2413-2415 Carp Road, Carp, Ontario

This memo summarizes soil sampling analytical results for the property located at 2413-2415 Carp Road. These soil samples were collected to provide indication of potential soil impacts below observed surficial staining and "oily gravel" present at the property.

Summary of Results

The following is a summary of the July 2025 soil sampling activities and results:

- The shed remnant at the northeast corner of the property was removed on July 25, 2025, and stained soil excavated in this area to a depth of approximately 0.25 metres (m). One soil sample was collected from the base of the excavated area. The soil sample is described as mixed sand, gravel and rocks, and is anticipated to be fill material.
- Oily gravel at the southwest portion of the property was removed on July 25, 2025, to approximately 0.20 m depth, and three soil samples were collected at the base of the excavated area. Soil samples were described as gravel (D6A1 and D6A2) and coarse sand (D6A3), and are anticipated to be fill material.
- Four soil samples plus one blind field duplicate were submitted for analysis of petroleum hydrocarbons F1-F4, polycyclic aromatic hydrocarbons, volatile organic compounds, and metals.
- All parameters were below Table 2 and Table 7 SCS or were below reported detection limits and were there for below SCS.

Conclusions

The four soil samples collected at the property had concentrations of analyzed parameters below SCS (F3, F4/F4G and metals) or below method detection limits (F1, F2, VOC, and PAH). Therefore, it is concluded that no impacts to soil were identified at the property from the stained and oily gravel areas.



If you have any questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
BluMetric Environmental Inc.

A handwritten signature in blue ink, appearing to read 'JKalesnikoff', is written over the printed name.

Jaclyn Kalesnikoff, B.Sc., P.Geo.
Senior Hydrogeologist

Encl.

Ref: Memo for Carp Road Phase I ESA.docx

Attachment 1

Figure 1: Soil Sample Locations



LEGEND

- Soil Sample Location
- Borehole Locations (WSP, 2025)
- Phase One Boundary
- 2413-2415 Carp Road Property Boundary
- Proposed Future Building
- Former Sheds
- Inferred Groundwater Flow Direction

Areas of Potential Environmental Concern (APECs)

- APEC A
- APEC B

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES

PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 20 40 Metres
1:1,800

CLIENT

PROJECT

**2413-2415 Carp Road, Ottawa
Soil Sampling Memo**

TITLE

Soi Sample Locations

1682 Woodward Drive
Ottawa, ON K2C 3R8
TEL: (613) 839-3053
Email: info@blumetric.ca
Web: <http://www.blumetric.ca>

PROJECT # 250442		DATE August 08, 2025	
DRAWN GM	CHECKED AG	FIG NO. 01	REV 0

Attachment 2

Soil Analytical Results

2413-2415 Carp Road Soil Analytical Chemistry Results					Sample ID	OGA 1	OGA 2	OGA 3	SHED	SHED (DUP 1)	Relative Percent Difference (RPD)
Parameter	Units	Table 2 Criteria	Table 7 Criteria	Detection Limit	Sample Date	2025-Jul-25	2025-Jul-25	2025-Jul-25	2025-Jul-25	2025-Jul-25	2025-Jul-25
Inorganics											
Moisture	%		-	1		7.1	4.7	13	4.7	4.1	N/A
Metals											
Antimony	ug/g	40	40	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	NC
Arsenic	ug/g	18	18	1.0		1.5	1.5	<1.0	2.1	2.0	4.9%
Barium	ug/g	670	670	0.50		40	47	20	59	59	0%
Beryllium	ug/g	4	8	0.20		0.43	0.28	<0.20	0.55	0.52	5.6%
Boron	ug/g	120	120	5.0		<5.0	<5.0	<5.0	<5.0	5.2	3.9%
Cadmium	ug/g	1.9	1.9	0.10		0.16	<0.10	<0.10	0.18	0.19	5.4%
Total Chromium	ug/g	160	160	1.0		15	17	7.8	20	19	5.1%
Cobalt	ug/g	80	80	0.10		8.8	7.9	3.5	7.4	6.9	7.0%
Copper	ug/g	230	230	0.50		15	14	4.7	13	12	8.0%
Lead	ug/g	120	120	1.0		8.6	5.7	1.7	9.4	8.7	7.7%
Molybdenum	ug/g	40	40	0.50		<0.50	0.52	<0.50	0.51	<0.50	2.0%
Nickel	ug/g	270	270	0.50		12	12	6.8	13	12	8.0%
Selenium	ug/g	5.5	5.5	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	NC
Silver	ug/g	40	40	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	NC
Thallium	ug/g	3.3	3.3	0.050		0.19	0.13	<0.050	0.16	0.15	6.5%
Uranium	ug/g	33	33	0.050		0.56	0.42	0.38	0.45	0.40	11.8%
Vanadium	ug/g	86	86	5.0		47	38	17	35	34	2.9%
Zinc	ug/g	340	340	5.0		93	33	11	120	110	8.7%
Polyaromatic Hydrocarbons											
Methylnaphthalene, 2-(1-)	ug/g	30	76	0.0071		<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	NC
Acenaphthene	ug/g	21	96	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Acenaphthylene	ug/g	0.15	0.15	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Anthracene	ug/g	0.67	0.67	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Benzo(a)anthracene	ug/g	0.96	0.96	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Benzo(a)pyrene	ug/g	0.3	0.3	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Benzo(b,j)fluoranthene	ug/g	0.96	0.96	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Benzo(g,h,i)perylene	ug/g	9.6	9.6	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Benzo(k)fluoranthene	ug/g	0.96	0.96	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Chrysene	ug/g	9.6	9.6	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Dibenzo(a,h)anthracene	ug/g	0.1	0.1	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Fluoranthene	ug/g	9.6	9.6	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Fluorene	ug/g	62	62	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Indeno(1,2,3-cd)pyrene	ug/g	0.76	0.76	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
1-Methylnaphthalene	ug/g	30	76	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
2-Methylnaphthalene	ug/g	30	76	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Naphthalene	ug/g	9.6	9.6	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Phenanthrene	ug/g	12	12	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Pyrene	ug/g	96	96	0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Volatile Organics											
1,3-Dichloropropene (cis+trans)	ug/g	0.059	0.18	0.050		<0.050	<0.050	<0.050	<0.050	<0.050	NC
Acetone (2-Propanone)	ug/g	16	16	0.49		<0.49	<0.49	<0.49	<0.49	<0.49	NC
Benzene	ug/g	0.32	0.32	0.0060		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	NC
Bromodichloromethane	ug/g	1.5	18	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Bromoform	ug/g	0.61	0.61	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Bromomethane	ug/g	0.05	0.05	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Carbon Tetrachloride	ug/g	0.21	0.21	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Chlorobenzene	ug/g	2.4	2.4	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Chloroform	ug/g	0.47	0.47	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Dibromochloromethane	ug/g	2.3	13	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,2-Dichlorobenzene	ug/g	1.2	6.8	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,3-Dichlorobenzene	ug/g	9.6	9.6	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,4-Dichlorobenzene	ug/g	0.2	0.2	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Dichlorodifluoromethane (FREON 12)	ug/g	16	16	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,1-Dichloroethane	ug/g	0.047	17	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,2-Dichloroethane	ug/g	0.05	0.05	0.049		<0.049	<0.049	<0.049	<0.049	<0.049	NC
1,1-Dichloroethylene	ug/g	0.064	0.064	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
cis-1,2-Dichloroethylene	ug/g	1.9	55	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
trans-1,2-Dichloroethylene	ug/g	1.3	1.3	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,2-Dichloropropane	ug/g	0.16	0.16	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
cis-1,3-Dichloropropene	ug/g	0.059	0.18	0.030		<0.030	<0.030	<0.030	<0.030	<0.030	NC
trans-1,3-Dichloropropene	ug/g	0.059	0.18	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Ethylbenzene	ug/g	1.1	9.5	0.010		<0.010	<0.010	<0.010	<0.010	<0.010	NC
Ethylene Dibromide	ug/g	0.05	0.05	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Hexane	ug/g	46	46	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Methylene Chloride(Dichloromethane)	ug/g	1.6	1.6	0.049		<0.049	<0.049	<0.049	<0.049	<0.049	NC
Methyl Ethyl Ketone (2-Butanone)	ug/g	70	70	0.40		<0.40	<0.40	<0.40	<0.40	<0.40	NC
Methyl Isobutyl Ketone	ug/g	31	31	0.40		<0.40	<0.40	<0.40	<0.40	<0.40	NC
Methyl t-butyl ether (MTBE)	ug/g	1.6	11	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Styrene	ug/g	34	34	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,1,1,2-Tetrachloroethane	ug/g	0.087	0.087	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Tetrachloroethylene	ug/g	1.9	4.5	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Toluene	ug/g	6.4	68	0.020		<0.020	<0.020	<0.020	<0.020	<0.020	NC
1,1,1-Trichloroethane	ug/g	6.1	6.1	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
1,1,2-Trichloroethane	ug/g	0.05	0.05	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Trichloroethylene	ug/g	0.55	0.91	0.010		<0.010	<0.010	<0.010	<0.010	<0.010	NC
Trichlorofluoromethane (FREON 11)	ug/g	4	4	0.040		<0.040	<0.040	<0.040	<0.040	<0.040	NC
Vinyl Chloride	ug/g	0.032	0.032	0.019		<0.019	<0.019	<0.019	<0.019	<0.019	NC
p+m-Xylene	ug/g	26	26	0.020		<0.020	<0.020	<0.020	<0.020	<0.020	NC
o-Xylene	ug/g	26	26	0.020		<0.020	<0.020	<0.020	<0.020	<0.020	NC
Total Xylenes	ug/g	26	26	0.020		<0.020	<0.020	<0.020	<0.020	<0.020	NC
F1 (C6-C10)	ug/g	55	55	10		<10	<10	<10	<10	<10	NC
F1 (C6-C10) - BTEX	ug/g	-	-	10		<10	<10	<10	<10	<10	NC
F2-F4 Hydrocarbons											
F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	3300	3300	100		-	2800	-	-	-	N/A
F2 (C10-C16 Hydrocarbons)	ug/g	230	230	7		<7.0	<7.0	<7.0	<7.0	<7.0	NC
F3 (C16-C34 Hydrocarbons)	ug/g	1700	1700	50		<50	220	<50	<50	<50	NC
F4 (C34-C50 Hydrocarbons)	ug/g	3300	3300	50		<50	830	<50	<50	<50	NC
Reached Baseline at C50	ug/g		-	N/A		Yes	No	Yes	Yes	Yes	N/A

-LEGEND-

Concentration exceeds Table 7 and Table 2

Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition and Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition

NC not calculated

N/A not applicable



Attachment 3

Laboratory Certificates of Analysis



Attention: Jacqueline Brook

BluMetric Environmental Inc.
1682 Woodward Drive
Ottawa, ON
CANADA K2C 3R8

Your P.O. #: 15068044
Your Project #: 250442
Site#: 900
Site Location: ON10
Your C.O.C. #: 1054774-01-01

Report Date: 2025/08/07
Report #: R8589375
Version: 3 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C590551

Received: 2025/07/25, 14:15

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Methylnaphthalene Sum (1)	5	N/A	2025/07/28	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum (1)	5	N/A	2025/07/28		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Soil (1, 2)	4	2025/07/27	2025/07/28	CAM SOP-00316	CCME CWS m
Petroleum Hydrocarbons F2-F4 in Soil (1, 2)	1	2025/08/05	2025/08/05	CAM SOP-00316	CCME CWS m
F4G (CCME Hydrocarbons Gravimetric) (1)	1	2025/08/06	2025/08/06	CAM SOP-00316	CCME PHC-CWS m
Acid Extractable Metals by ICPMS (1)	5	2025/07/28	2025/07/28	CAM SOP-00447	EPA 6020B m
Moisture (1)	5	N/A	2025/07/26	CAM SOP-00445	Carter 2nd ed 70.2 m
PAH Compounds in Soil by GC/MS (SIM) (1)	5	2025/07/27	2025/07/27	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs (1)	5	N/A	2025/07/27	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd, Mississauga, ON, L5N 2L8

(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's



Attention: Jacqueline Brook

BluMetric Environmental Inc.
1682 Woodward Drive
Ottawa, ON
CANADA K2C 3R8

Your P.O. #: 15068044
Your Project #: 250442
Site#: 900
Site Location: ON10
Your C.O.C. #: 1054774-01-01

Report Date: 2025/08/07
Report #: R8589375
Version: 3 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C590551

Received: 2025/07/25, 14:15

Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Patricia Legette, Project Manager

Email: Patricia.Legette@bureauveritas.com

Phone# (905)817-5799

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ATKK97	ATKK98	ATKK99	ATKL00	ATKL01		
Sampling Date		2025/07/25 11:50	2025/07/25 13:10	2025/07/25 13:20	2025/07/25 13:30	2025/07/25 11:51		
COC Number		1054774-01-01	1054774-01-01	1054774-01-01	1054774-01-01	1054774-01-01		
	UNITS	SHED	OGA1	OGA2	OGA3	DUP 1	RDL	QC Batch
Inorganics								
Moisture	%	4.7	7.1	4.7	13	4.1	1.0	9977626
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ATKK97	ATKK98	ATKK99	ATKL00	ATKL01		
Sampling Date		2025/07/25 11:50	2025/07/25 13:10	2025/07/25 13:20	2025/07/25 13:30	2025/07/25 11:51		
COC Number		1054774-01-01	1054774-01-01	1054774-01-01	1054774-01-01	1054774-01-01		
	UNITS	SHED	OGA1	OGA2	OGA3	DUP 1	RDL	QC Batch
Metals								
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	9977899
Acid Extractable Arsenic (As)	ug/g	2.1	1.5	1.5	<1.0	2.0	1.0	9977899
Acid Extractable Barium (Ba)	ug/g	59	40	47	20	59	0.50	9977899
Acid Extractable Beryllium (Be)	ug/g	0.55	0.43	0.28	<0.20	0.52	0.20	9977899
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	<5.0	<5.0	5.2	5.0	9977899
Acid Extractable Cadmium (Cd)	ug/g	0.18	0.16	<0.10	<0.10	0.19	0.10	9977899
Acid Extractable Chromium (Cr)	ug/g	20	15	17	7.8	19	1.0	9977899
Acid Extractable Cobalt (Co)	ug/g	7.4	8.8	7.9	3.5	6.9	0.10	9977899
Acid Extractable Copper (Cu)	ug/g	13	15	14	4.7	12	0.50	9977899
Acid Extractable Lead (Pb)	ug/g	9.4	8.6	5.7	1.7	8.7	1.0	9977899
Acid Extractable Molybdenum (Mo)	ug/g	0.51	<0.50	0.52	<0.50	<0.50	0.50	9977899
Acid Extractable Nickel (Ni)	ug/g	13	12	12	6.8	12	0.50	9977899
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9977899
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	9977899
Acid Extractable Thallium (Tl)	ug/g	0.16	0.19	0.13	<0.050	0.15	0.050	9977899
Acid Extractable Uranium (U)	ug/g	0.45	0.56	0.42	0.38	0.40	0.050	9977899
Acid Extractable Vanadium (V)	ug/g	35	47	38	17	34	5.0	9977899
Acid Extractable Zinc (Zn)	ug/g	120	93	33	11	110	5.0	9977899
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								

BUREAU
VERITAS

Bureau Veritas Job #: C590551

Report Date: 2025/08/07

BluMetric Environmental Inc.

Client Project #: 250442

Site Location: ON10

Your P.O. #: 15068044

Sampler Initials: JA

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ATKK97	ATKK98		ATKK99		ATKL00		
Sampling Date		2025/07/25 11:50	2025/07/25 13:10		2025/07/25 13:20		2025/07/25 13:30		
COC Number		1054774-01-01	1054774-01-01		1054774-01-01		1054774-01-01		
	UNITS	SHED	OGA1	RDL	OGA2	RDL	OGA3	RDL	QC Batch

Calculated Parameters									
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	<0.0071	0.0071	<0.071	0.071	<0.0071	0.0071	9977515
Polyaromatic Hydrocarbons									
Acenaphthene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Acenaphthylene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Anthracene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Benzo(a)anthracene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Benzo(a)pyrene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Benzo(b/j)fluoranthene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Benzo(g,h,i)perylene	ug/g	<0.0050	<0.0050	0.0050	0.089	0.050	<0.0050	0.0050	9977697
Benzo(k)fluoranthene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Chrysene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Dibenzo(a,h)anthracene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Fluoranthene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Fluorene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
1-Methylnaphthalene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
2-Methylnaphthalene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Naphthalene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Phenanthrene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Pyrene	ug/g	<0.0050	<0.0050	0.0050	<0.050	0.050	<0.0050	0.0050	9977697
Surrogate Recovery (%)									
D10-Anthracene	%	96	92	N/A	87	N/A	92	N/A	9977697
D14-Terphenyl (FS)	%	95	92	N/A	97	N/A	93	N/A	9977697
D8-Acenaphthylene	%	101	100	N/A	115	N/A	96	N/A	9977697

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ATKL00		ATKL01		
Sampling Date		2025/07/25 13:30		2025/07/25 11:51		
COC Number		1054774-01-01		1054774-01-01		
	UNITS	OGA3 Lab-Dup	QC Batch	DUP 1	RDL	QC Batch
Calculated Parameters						
Methylnaphthalene, 2-(1-)	ug/g	N/A	9977515	<0.0071	0.0071	9977603
Polyaromatic Hydrocarbons						
Acenaphthene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Acenaphthylene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Anthracene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Benzo(a)anthracene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Benzo(a)pyrene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Benzo(b,j)fluoranthene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Benzo(g,h,i)perylene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Benzo(k)fluoranthene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Chrysene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Dibenzo(a,h)anthracene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Fluoranthene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Fluorene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
1-Methylnaphthalene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
2-Methylnaphthalene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Naphthalene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Phenanthrene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Pyrene	ug/g	<0.0050	9977697	<0.0050	0.0050	9977697
Surrogate Recovery (%)						
D10-Anthracene	%	92	9977697	100	N/A	9977697
D14-Terphenyl (FS)	%	94	9977697	99	N/A	9977697
D8-Acenaphthylene	%	96	9977697	107	N/A	9977697
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable						



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

VOLATILE ORGANICS BY GC/MS (SOIL)

Bureau Veritas ID		ATKK97	ATKK98	ATKK99	ATKL00		
Sampling Date		2025/07/25 11:50	2025/07/25 13:10	2025/07/25 13:20	2025/07/25 13:30		
COC Number		1054774-01-01	1054774-01-01	1054774-01-01	1054774-01-01		
	UNITS	SHED	OGA1	OGA2	OGA3	RDL	QC Batch

Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	9977516
Volatile Organics							
Acetone (2-Propanone)	ug/g	<0.49	<0.49	<0.49	<0.49	0.49	9977702
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9977702
Bromodichloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Bromoform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Bromomethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Carbon Tetrachloride	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Chlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Chloroform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Dibromochloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,1-Dichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,2-Dichloroethane	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	9977702
1,1-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,2-Dichloropropane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	<0.030	<0.030	0.030	9977702
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9977702
Ethylene Dibromide	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Hexane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	9977702
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	9977702
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	9977702
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Styrene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

VOLATILE ORGANICS BY GC/MS (SOIL)

Bureau Veritas ID		ATKK97	ATKK98	ATKK99	ATKL00		
Sampling Date		2025/07/25 11:50	2025/07/25 13:10	2025/07/25 13:20	2025/07/25 13:30		
COC Number		1054774-01-01	1054774-01-01	1054774-01-01	1054774-01-01		
	UNITS	SHED	OGA1	OGA2	OGA3	RDL	QC Batch
1,1,2,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Tetrachloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9977702
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Trichloroethylene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9977702
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9977702
Vinyl Chloride	ug/g	<0.019	<0.019	<0.019	<0.019	0.019	9977702
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9977702
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9977702
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9977702
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9977702
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9977702
Surrogate Recovery (%)							
4-Bromofluorobenzene	%	80	97	96	97	N/A	9977702
D10-o-Xylene	%	71	82	84	83	N/A	9977702
D4-1,2-Dichloroethane	%	109	126	123	124	N/A	9977702
D8-Toluene	%	79	85	85	85	N/A	9977702
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable							



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

VOLATILE ORGANICS BY GC/MS (SOIL)

Bureau Veritas ID		ATKL01	ATKL01		
Sampling Date		2025/07/25 11:51	2025/07/25 11:51		
COC Number		1054774-01-01	1054774-01-01		
	UNITS	DUP 1	DUP 1 Lab-Dup	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	N/A	0.050	9977604
Volatile Organics					
Acetone (2-Propanone)	ug/g	<0.49	<0.49	0.49	9977702
Benzene	ug/g	<0.0060	<0.0060	0.0060	9977702
Bromodichloromethane	ug/g	<0.040	<0.040	0.040	9977702
Bromoform	ug/g	<0.040	<0.040	0.040	9977702
Bromomethane	ug/g	<0.040	<0.040	0.040	9977702
Carbon Tetrachloride	ug/g	<0.040	<0.040	0.040	9977702
Chlorobenzene	ug/g	<0.040	<0.040	0.040	9977702
Chloroform	ug/g	<0.040	<0.040	0.040	9977702
Dibromochloromethane	ug/g	<0.040	<0.040	0.040	9977702
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	0.040	9977702
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	0.040	9977702
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	0.040	9977702
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	0.040	9977702
1,1-Dichloroethane	ug/g	<0.040	<0.040	0.040	9977702
1,2-Dichloroethane	ug/g	<0.049	<0.049	0.049	9977702
1,1-Dichloroethylene	ug/g	<0.040	<0.040	0.040	9977702
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	0.040	9977702
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	0.040	9977702
1,2-Dichloropropane	ug/g	<0.040	<0.040	0.040	9977702
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	0.030	9977702
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	0.040	9977702
Ethylbenzene	ug/g	<0.010	<0.010	0.010	9977702
Ethylene Dibromide	ug/g	<0.040	<0.040	0.040	9977702
Hexane	ug/g	<0.040	<0.040	0.040	9977702
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	0.049	9977702
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	0.40	9977702
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	0.40	9977702
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	0.040	9977702
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable					



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

VOLATILE ORGANICS BY GC/MS (SOIL)

Bureau Veritas ID		ATKL01	ATKL01		
Sampling Date		2025/07/25 11:51	2025/07/25 11:51		
COC Number		1054774-01-01	1054774-01-01		
	UNITS	DUP 1	DUP 1 Lab-Dup	RDL	QC Batch
Styrene	ug/g	<0.040	<0.040	0.040	9977702
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	0.040	9977702
1,1,2,2-Tetrachloroethane	ug/g	<0.040	<0.040	0.040	9977702
Tetrachloroethylene	ug/g	<0.040	<0.040	0.040	9977702
Toluene	ug/g	<0.020	<0.020	0.020	9977702
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	0.040	9977702
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	0.040	9977702
Trichloroethylene	ug/g	<0.010	<0.010	0.010	9977702
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	0.040	9977702
Vinyl Chloride	ug/g	<0.019	<0.019	0.019	9977702
p+m-Xylene	ug/g	<0.020	<0.020	0.020	9977702
o-Xylene	ug/g	<0.020	<0.020	0.020	9977702
Total Xylenes	ug/g	<0.020	<0.020	0.020	9977702
F1 (C6-C10)	ug/g	<10	<10	10	9977702
F1 (C6-C10) - BTEX	ug/g	<10	<10	10	9977702
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	81	101	N/A	9977702
D10-o-Xylene	%	74	78	N/A	9977702
D4-1,2-Dichloroethane	%	119	109	N/A	9977702
D8-Toluene	%	86	97	N/A	9977702
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable					

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VERITAS

Bureau Veritas Job #: C590551

Report Date: 2025/08/07

BluMetric Environmental Inc.

Client Project #: 250442

Site Location: ON10

Your P.O. #: 15068044

Sampler Initials: JA

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		ATKK97	ATKK98		ATKK99		ATKL00		
Sampling Date		2025/07/25 11:50	2025/07/25 13:10		2025/07/25 13:20		2025/07/25 13:30		
COC Number		1054774-01-01	1054774-01-01		1054774-01-01		1054774-01-01		
	UNITS	SHED	OGA1	QC Batch	OGA2	QC Batch	OGA3	RDL	QC Batch

F2-F4 Hydrocarbons

F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	N/A	N/A	9983351	2800	9983351	N/A	100	9983351
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	9977705	<7.0	9982847	<7.0	7.0	9977705
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	9977705	220	9982847	<50	50	9977705
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	9977705	830	9982847	<50	50	9977705
Reached Baseline at C50	ug/g	Yes	Yes	9977705	No	9982847	Yes	N/A	9977705

Surrogate Recovery (%)

o-Terphenyl	%	91	94	9977705	90	9982847	102	N/A	9977705
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

Bureau Veritas ID		ATKL01		
Sampling Date		2025/07/25 11:51		
COC Number		1054774-01-01		
	UNITS	DUP 1	RDL	QC Batch

F2-F4 Hydrocarbons

F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	7.0	9977705
F3 (C16-C34 Hydrocarbons)	ug/g	<50	50	9977705
F4 (C34-C50 Hydrocarbons)	ug/g	<50	50	9977705
Reached Baseline at C50	ug/g	Yes	N/A	9977705

Surrogate Recovery (%)

o-Terphenyl	%	101	N/A	9977705
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

TEST SUMMARY

Bureau Veritas ID: ATKK97
Sample ID: SHED
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9977515	N/A	2025/07/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	9977516	N/A	2025/07/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9977705	2025/07/27	2025/07/28	Ksenia Trofimova
Acid Extractable Metals by ICPMS	ICP/MS	9977899	2025/07/28	2025/07/28	Viviana Canzonieri
Moisture	BAL	9977626	N/A	2025/07/26	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9977697	2025/07/27	2025/07/27	Jett Wu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9977702	N/A	2025/07/27	Gladys Guerrero

Bureau Veritas ID: ATKK98
Sample ID: OGA1
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9977515	N/A	2025/07/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	9977516	N/A	2025/07/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9977705	2025/07/27	2025/07/28	Ksenia Trofimova
Acid Extractable Metals by ICPMS	ICP/MS	9977899	2025/07/28	2025/07/28	Viviana Canzonieri
Moisture	BAL	9977626	N/A	2025/07/26	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9977697	2025/07/27	2025/07/27	Jett Wu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9977702	N/A	2025/07/27	Gladys Guerrero

Bureau Veritas ID: ATKK99
Sample ID: OGA2
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9977515	N/A	2025/07/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	9977516	N/A	2025/07/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9982847	2025/08/05	2025/08/05	Ksenia Trofimova
F4G (CCME Hydrocarbons Gravimetric)	BAL	9983351	2025/08/06	2025/08/06	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	9977899	2025/07/28	2025/07/28	Viviana Canzonieri
Moisture	BAL	9977626	N/A	2025/07/26	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9977697	2025/07/27	2025/07/27	Jett Wu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9977702	N/A	2025/07/27	Gladys Guerrero

Bureau Veritas ID: ATKL00
Sample ID: OGA3
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9977515	N/A	2025/07/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	9977516	N/A	2025/07/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9977705	2025/07/27	2025/07/28	Ksenia Trofimova
Acid Extractable Metals by ICPMS	ICP/MS	9977899	2025/07/28	2025/07/28	Viviana Canzonieri
Moisture	BAL	9977626	N/A	2025/07/26	Simranjit KAUR



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

TEST SUMMARY

Bureau Veritas ID: ATKL00
Sample ID: OGA3
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9977697	2025/07/27	2025/07/27	Jett Wu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9977702	N/A	2025/07/27	Gladys Guerrero

Bureau Veritas ID: ATKL00 Dup
Sample ID: OGA3
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9977697	2025/07/27	2025/07/27	Jett Wu

Bureau Veritas ID: ATKL01
Sample ID: DUP 1
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9977603	N/A	2025/07/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	9977604	N/A	2025/07/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9977705	2025/07/27	2025/07/28	Ksenia Trofimova
Acid Extractable Metals by ICPMS	ICP/MS	9977899	2025/07/28	2025/07/28	Viviana Canzonieri
Moisture	BAL	9977626	N/A	2025/07/26	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9977697	2025/07/27	2025/07/27	Jett Wu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9977702	N/A	2025/07/27	Gladys Guerrero

Bureau Veritas ID: ATKL01 Dup
Sample ID: DUP 1
Matrix: Soil

Collected: 2025/07/25
Shipped:
Received: 2025/07/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9977702	N/A	2025/07/27	Gladys Guerrero



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	15.3°C
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Revised Report (2025/08/07): Revisions to sample IDs have been completed in this CofA. Reanalysis for F2-F4 and F4G were completed on sample OGA2 as per Jaclyn Kalesnikoff's request.

Sample ATKK99 [OGA2] : PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

F2-F4 Analysis: Re-analysis results exceeded RPD acceptance criteria in comparison to previous results. This may be due to sample heterogeneity.

Results relate only to the items tested.



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

QUALITY ASSURANCE REPORT

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9977697	D10-Anthracene	2025/07/27	102	50 - 130	93	50 - 130	96	%		
9977697	D14-Terphenyl (FS)	2025/07/27	105	50 - 130	94	50 - 130	97	%		
9977697	D8-Acenaphthylene	2025/07/27	107	50 - 130	100	50 - 130	101	%		
9977702	4-Bromofluorobenzene	2025/07/27	117	60 - 140	110	60 - 140	96	%		
9977702	D10-o-Xylene	2025/07/27	105	60 - 130	105	60 - 130	85	%		
9977702	D4-1,2-Dichloroethane	2025/07/27	110	60 - 140	102	60 - 140	120	%		
9977702	D8-Toluene	2025/07/27	100	60 - 140	104	60 - 140	86	%		
9977705	o-Terphenyl	2025/07/28	93	60 - 140	98	60 - 140	97	%		
9982847	o-Terphenyl	2025/08/05	96	60 - 140	94	60 - 140	93	%		
9977626	Moisture	2025/07/26							1.6	20
9977697	1-Methylnaphthalene	2025/07/27	95	50 - 130	87	50 - 130	<0.0050	ug/g	NC	40
9977697	2-Methylnaphthalene	2025/07/27	97	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
9977697	Acenaphthene	2025/07/27	96	50 - 130	85	50 - 130	<0.0050	ug/g	NC	40
9977697	Acenaphthylene	2025/07/27	104	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9977697	Anthracene	2025/07/27	105	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9977697	Benzo(a)anthracene	2025/07/27	101	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
9977697	Benzo(a)pyrene	2025/07/27	96	50 - 130	86	50 - 130	<0.0050	ug/g	NC	40
9977697	Benzo(b/j)fluoranthene	2025/07/27	97	50 - 130	87	50 - 130	<0.0050	ug/g	NC	40
9977697	Benzo(g,h,i)perylene	2025/07/27	107	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9977697	Benzo(k)fluoranthene	2025/07/27	100	50 - 130	91	50 - 130	<0.0050	ug/g	NC	40
9977697	Chrysene	2025/07/27	101	50 - 130	90	50 - 130	<0.0050	ug/g	NC	40
9977697	Dibenzo(a,h)anthracene	2025/07/27	102	50 - 130	90	50 - 130	<0.0050	ug/g	NC	40
9977697	Fluoranthene	2025/07/27	103	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
9977697	Fluorene	2025/07/27	103	50 - 130	93	50 - 130	<0.0050	ug/g	NC	40
9977697	Indeno(1,2,3-cd)pyrene	2025/07/27	118	50 - 130	102	50 - 130	<0.0050	ug/g	NC	40
9977697	Naphthalene	2025/07/27	88	50 - 130	84	50 - 130	<0.0050	ug/g	NC	40
9977697	Phenanthrene	2025/07/27	100	50 - 130	90	50 - 130	<0.0050	ug/g	NC	40
9977697	Pyrene	2025/07/27	105	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
9977702	1,1,1,2-Tetrachloroethane	2025/07/27	99	60 - 140	112	60 - 130	<0.040	ug/g	NC	50
9977702	1,1,1-Trichloroethane	2025/07/27	101	60 - 140	104	60 - 130	<0.040	ug/g	NC	50
9977702	1,1,2,2-Tetrachloroethane	2025/07/27	101	60 - 140	97	60 - 130	<0.040	ug/g	NC	50



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

QUALITY ASSURANCE REPORT(CONT'D)

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9977702	1,1,2-Trichloroethane	2025/07/27	96	60 - 140	105	60 - 130	<0.040	ug/g	NC	50
9977702	1,1-Dichloroethane	2025/07/27	84	60 - 140	112	60 - 130	<0.040	ug/g	NC	50
9977702	1,1-Dichloroethylene	2025/07/27	89	60 - 140	105	60 - 130	<0.040	ug/g	NC	50
9977702	1,2-Dichlorobenzene	2025/07/27	88	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
9977702	1,2-Dichloroethane	2025/07/27	112	60 - 140	107	60 - 130	<0.049	ug/g	NC	50
9977702	1,2-Dichloropropane	2025/07/27	101	60 - 140	100	60 - 130	<0.040	ug/g	NC	50
9977702	1,3-Dichlorobenzene	2025/07/27	98	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
9977702	1,4-Dichlorobenzene	2025/07/27	92	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
9977702	Acetone (2-Propanone)	2025/07/27	111	60 - 140	110	60 - 140	<0.49	ug/g	NC	50
9977702	Benzene	2025/07/27	105	60 - 140	103	60 - 130	<0.0060	ug/g	NC	50
9977702	Bromodichloromethane	2025/07/27	88	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
9977702	Bromoform	2025/07/27	109	60 - 140	103	60 - 130	<0.040	ug/g	NC	50
9977702	Bromomethane	2025/07/27	79	60 - 140	95	60 - 140	<0.040	ug/g	NC	50
9977702	Carbon Tetrachloride	2025/07/27	108	60 - 140	112	60 - 130	<0.040	ug/g	NC	50
9977702	Chlorobenzene	2025/07/27	83	60 - 140	88	60 - 130	<0.040	ug/g	NC	50
9977702	Chloroform	2025/07/27	107	60 - 140	103	60 - 130	<0.040	ug/g	NC	50
9977702	cis-1,2-Dichloroethylene	2025/07/27	108	60 - 140	127	60 - 130	<0.040	ug/g	NC	50
9977702	cis-1,3-Dichloropropene	2025/07/27	82	60 - 140	119	60 - 130	<0.030	ug/g	NC	50
9977702	Dibromochloromethane	2025/07/27	97	60 - 140	104	60 - 130	<0.040	ug/g	NC	50
9977702	Dichlorodifluoromethane (FREON 12)	2025/07/27	90	60 - 140	105	60 - 140	<0.040	ug/g	NC	50
9977702	Ethylbenzene	2025/07/27	88	60 - 140	108	60 - 130	<0.010	ug/g	NC	50
9977702	Ethylene Dibromide	2025/07/27	94	60 - 140	96	60 - 130	<0.040	ug/g	NC	50
9977702	F1 (C6-C10) - BTEX	2025/07/27					<10	ug/g	NC	30
9977702	F1 (C6-C10)	2025/07/27	80	60 - 140	84	80 - 120	<10	ug/g	NC	30
9977702	Hexane	2025/07/27	97	60 - 140	147 (1)	60 - 130	<0.040	ug/g	NC	50
9977702	Methyl Ethyl Ketone (2-Butanone)	2025/07/27	107	60 - 140	115	60 - 140	<0.40	ug/g	NC	50
9977702	Methyl Isobutyl Ketone	2025/07/27	74	60 - 140	110	60 - 130	<0.40	ug/g	NC	50
9977702	Methyl t-butyl ether (MTBE)	2025/07/27	89	60 - 140	120	60 - 130	<0.040	ug/g	NC	50
9977702	Methylene Chloride(Dichloromethane)	2025/07/27	86	60 - 140	112	60 - 130	<0.049	ug/g	NC	50
9977702	o-Xylene	2025/07/27	115	60 - 140	120	60 - 130	<0.020	ug/g	NC	50
9977702	p+m-Xylene	2025/07/27	90	60 - 140	114	60 - 130	<0.020	ug/g	NC	50



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

QUALITY ASSURANCE REPORT(CONT'D)

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9977702	Styrene	2025/07/27	83	60 - 140	84	60 - 130	<0.040	ug/g	NC	50
9977702	Tetrachloroethylene	2025/07/27	90	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
9977702	Toluene	2025/07/27	90	60 - 140	100	60 - 130	<0.020	ug/g	NC	50
9977702	Total Xylenes	2025/07/27					<0.020	ug/g	NC	50
9977702	trans-1,2-Dichloroethylene	2025/07/27	94	60 - 140	124	60 - 130	<0.040	ug/g	NC	50
9977702	trans-1,3-Dichloropropene	2025/07/27	98	60 - 140	126	60 - 130	<0.040	ug/g	NC	50
9977702	Trichloroethylene	2025/07/27	98	60 - 140	101	60 - 130	<0.010	ug/g	NC	50
9977702	Trichlorofluoromethane (FREON 11)	2025/07/27	88	60 - 140	104	60 - 130	<0.040	ug/g	NC	50
9977702	Vinyl Chloride	2025/07/27	85	60 - 140	101	60 - 130	<0.019	ug/g	NC	50
9977705	F2 (C10-C16 Hydrocarbons)	2025/07/28	124	60 - 140	97	80 - 120	<7.0	ug/g	1.4	30
9977705	F3 (C16-C34 Hydrocarbons)	2025/07/28	101	60 - 140	95	80 - 120	<50	ug/g	2.0	30
9977705	F4 (C34-C50 Hydrocarbons)	2025/07/28	93	60 - 140	93	80 - 120	<50	ug/g	NC	30
9977899	Acid Extractable Antimony (Sb)	2025/07/28	98	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
9977899	Acid Extractable Arsenic (As)	2025/07/28	99	75 - 125	103	80 - 120	<1.0	ug/g	NC	30
9977899	Acid Extractable Barium (Ba)	2025/07/28	94	75 - 125	98	80 - 120	<0.50	ug/g	10	30
9977899	Acid Extractable Beryllium (Be)	2025/07/28	97	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
9977899	Acid Extractable Boron (B)	2025/07/28	92	75 - 125	92	80 - 120	<5.0	ug/g	NC	30
9977899	Acid Extractable Cadmium (Cd)	2025/07/28	95	75 - 125	95	80 - 120	<0.10	ug/g	NC	30
9977899	Acid Extractable Chromium (Cr)	2025/07/28	92	75 - 125	94	80 - 120	<1.0	ug/g	0.39	30
9977899	Acid Extractable Cobalt (Co)	2025/07/28	93	75 - 125	95	80 - 120	<0.10	ug/g	2.2	30
9977899	Acid Extractable Copper (Cu)	2025/07/28	93	75 - 125	95	80 - 120	<0.50	ug/g	2.5	30
9977899	Acid Extractable Lead (Pb)	2025/07/28	90	75 - 125	96	80 - 120	<1.0	ug/g	3.3	30
9977899	Acid Extractable Molybdenum (Mo)	2025/07/28	94	75 - 125	92	80 - 120	<0.50	ug/g	NC	30
9977899	Acid Extractable Nickel (Ni)	2025/07/28	93	75 - 125	96	80 - 120	<0.50	ug/g	1.8	30
9977899	Acid Extractable Selenium (Se)	2025/07/28	98	75 - 125	102	80 - 120	<0.50	ug/g	NC	30
9977899	Acid Extractable Silver (Ag)	2025/07/28	94	75 - 125	96	80 - 120	<0.20	ug/g	NC	30
9977899	Acid Extractable Thallium (Tl)	2025/07/28	93	75 - 125	97	80 - 120	<0.050	ug/g	NC	30
9977899	Acid Extractable Uranium (U)	2025/07/28	93	75 - 125	96	80 - 120	<0.050	ug/g	6.4	30
9977899	Acid Extractable Vanadium (V)	2025/07/28	84	75 - 125	92	80 - 120	<5.0	ug/g	0.78	30
9977899	Acid Extractable Zinc (Zn)	2025/07/28	98	75 - 125	101	80 - 120	<5.0	ug/g	2.5	30
9982847	F2 (C10-C16 Hydrocarbons)	2025/08/05	96	60 - 140	97	80 - 120	<7.0	ug/g	NC	30



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

QUALITY ASSURANCE REPORT(CONT'D)

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9982847	F3 (C16-C34 Hydrocarbons)	2025/08/05	96	60 - 140	97	80 - 120	<50	ug/g	NC	30
9982847	F4 (C34-C50 Hydrocarbons)	2025/08/05	96	60 - 140	98	80 - 120	<50	ug/g	NC	30
9983351	F4G-sg (Grav. Heavy Hydrocarbons)	2025/08/06	99	65 - 135	101	65 - 135	<100	ug/g	0.59	50

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).

(1) The recovery was above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.



Bureau Veritas Job #: C590551
Report Date: 2025/08/07

BluMetric Environmental Inc.
Client Project #: 250442
Site Location: ON10
Your P.O. #: 15068044
Sampler Initials: JA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

A handwritten signature in black ink that reads "Louise A. Harding". The signature is written in a cursive style with a horizontal line extending from the end of the name.

Louise Harding, Scientific Specialist

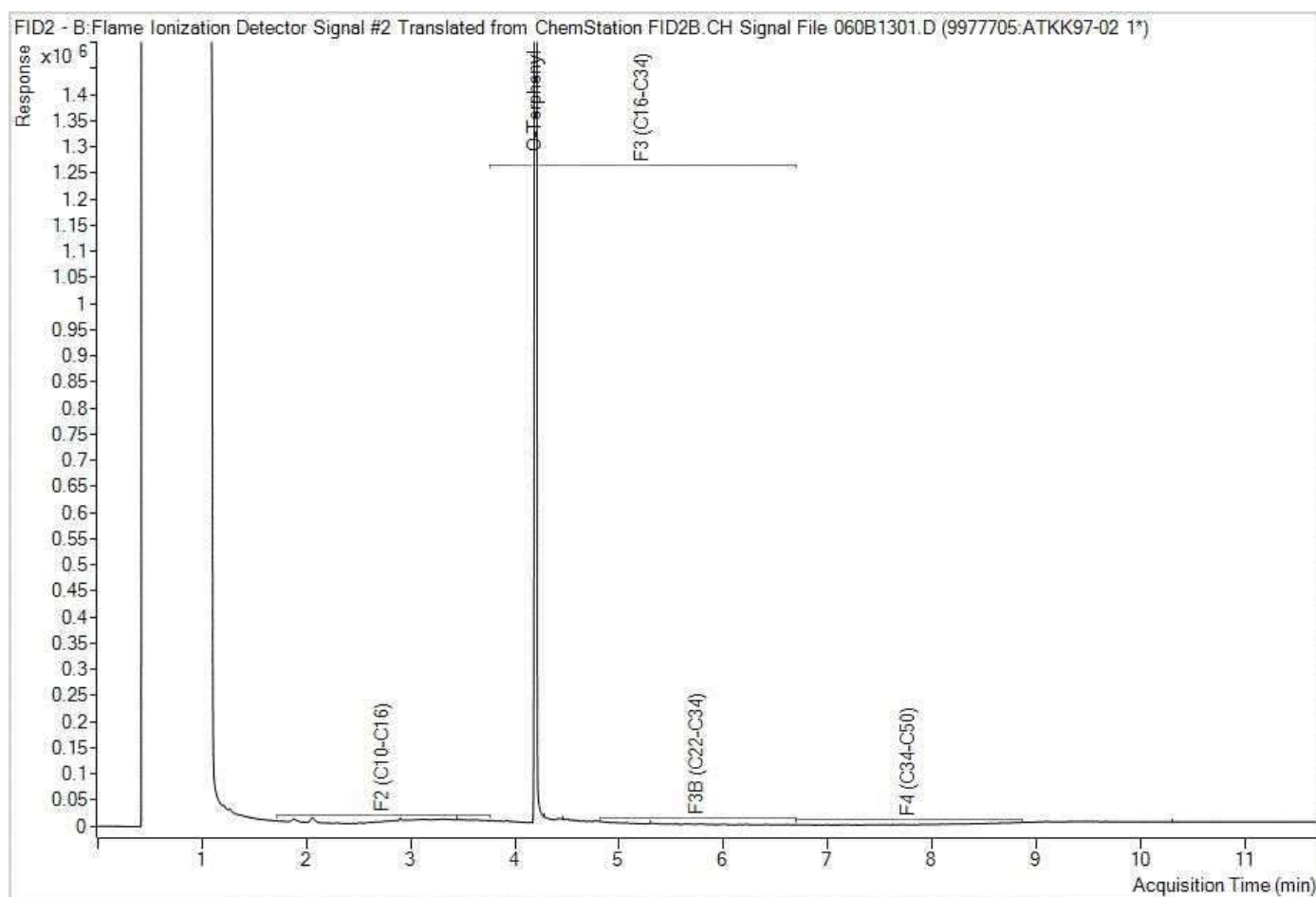
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

2025/07/25 14:15

CHAIN OF CUSTODY RECORD

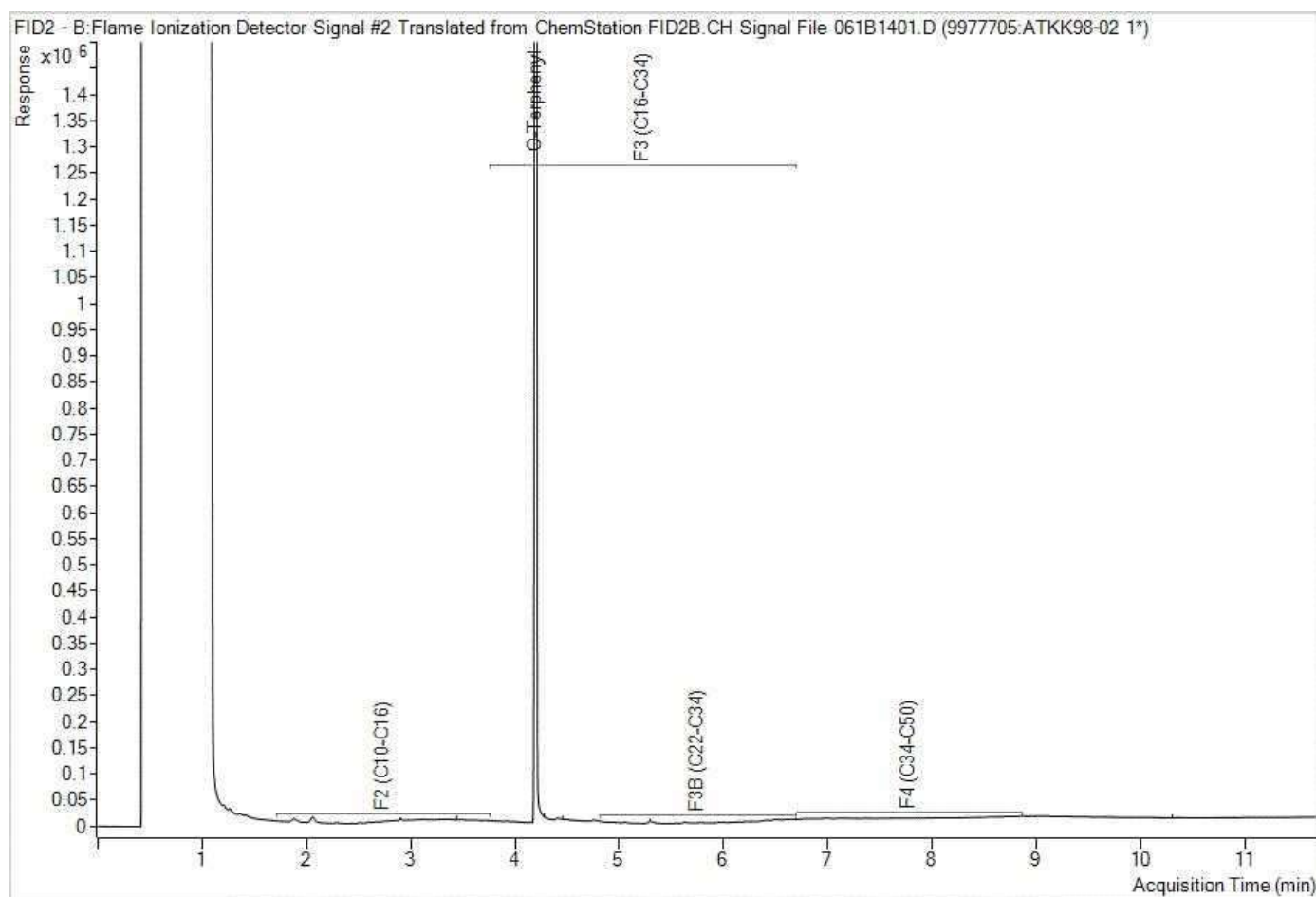
Bureau Veritas Canada (2015) Inc.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



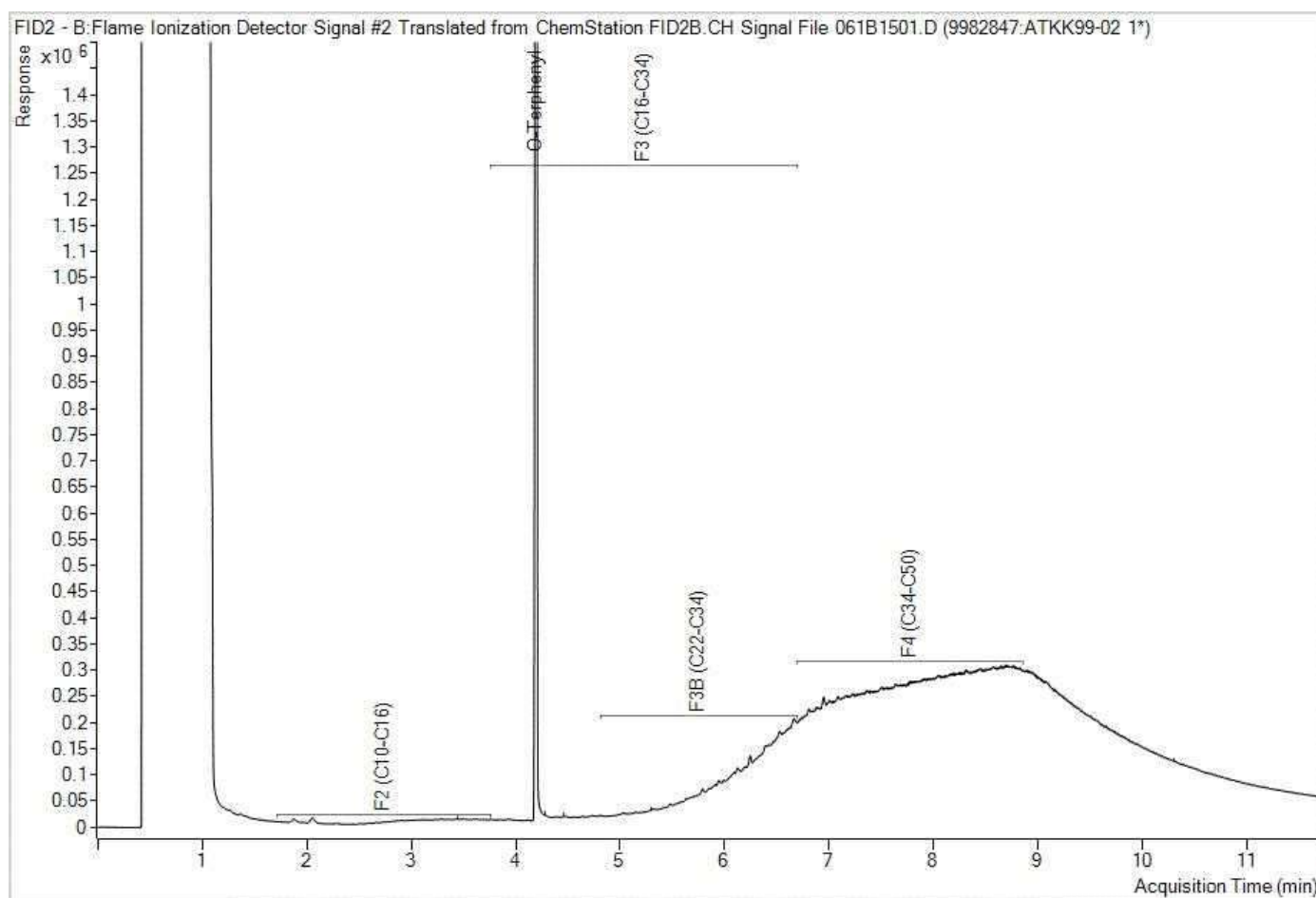
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



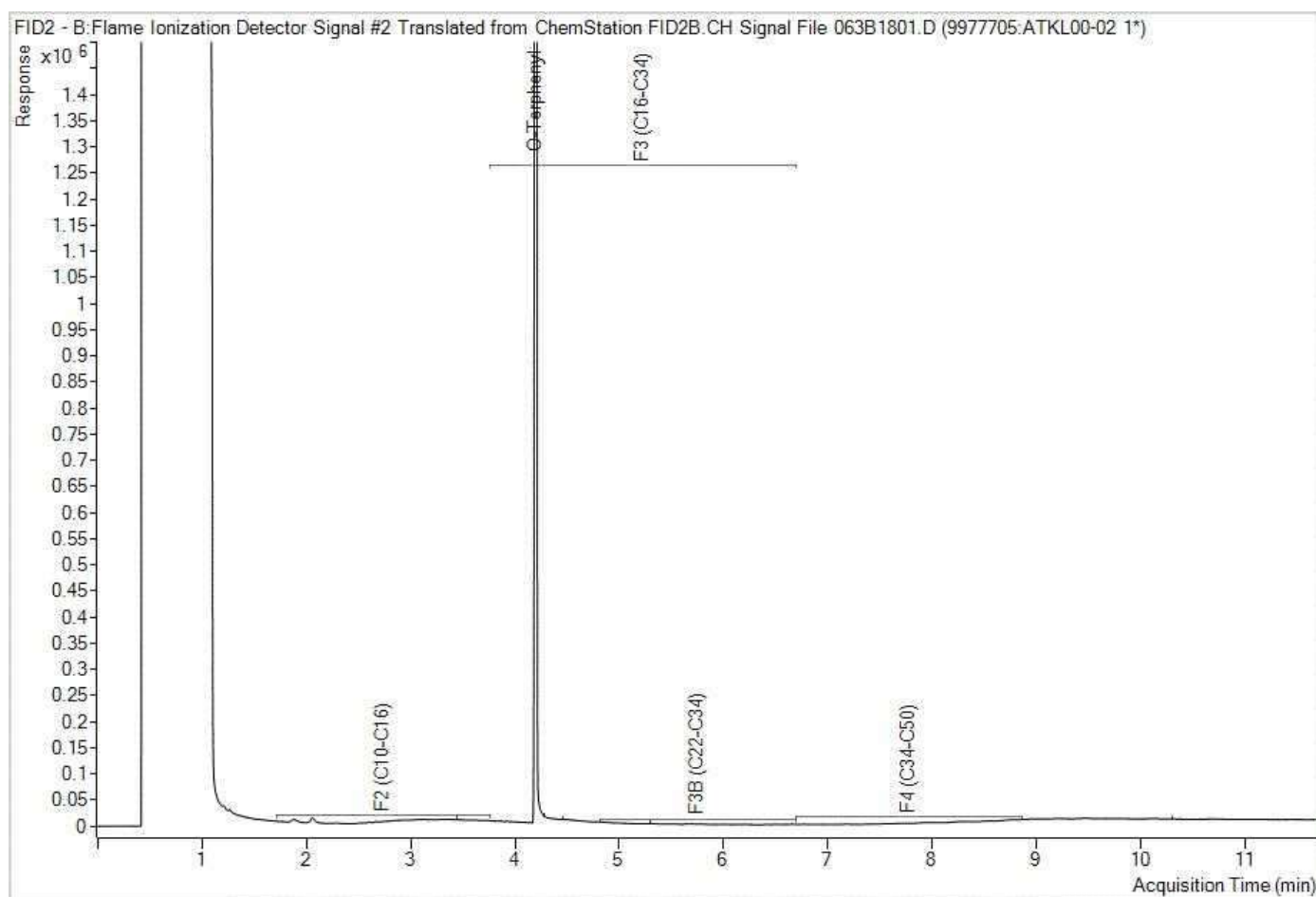
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



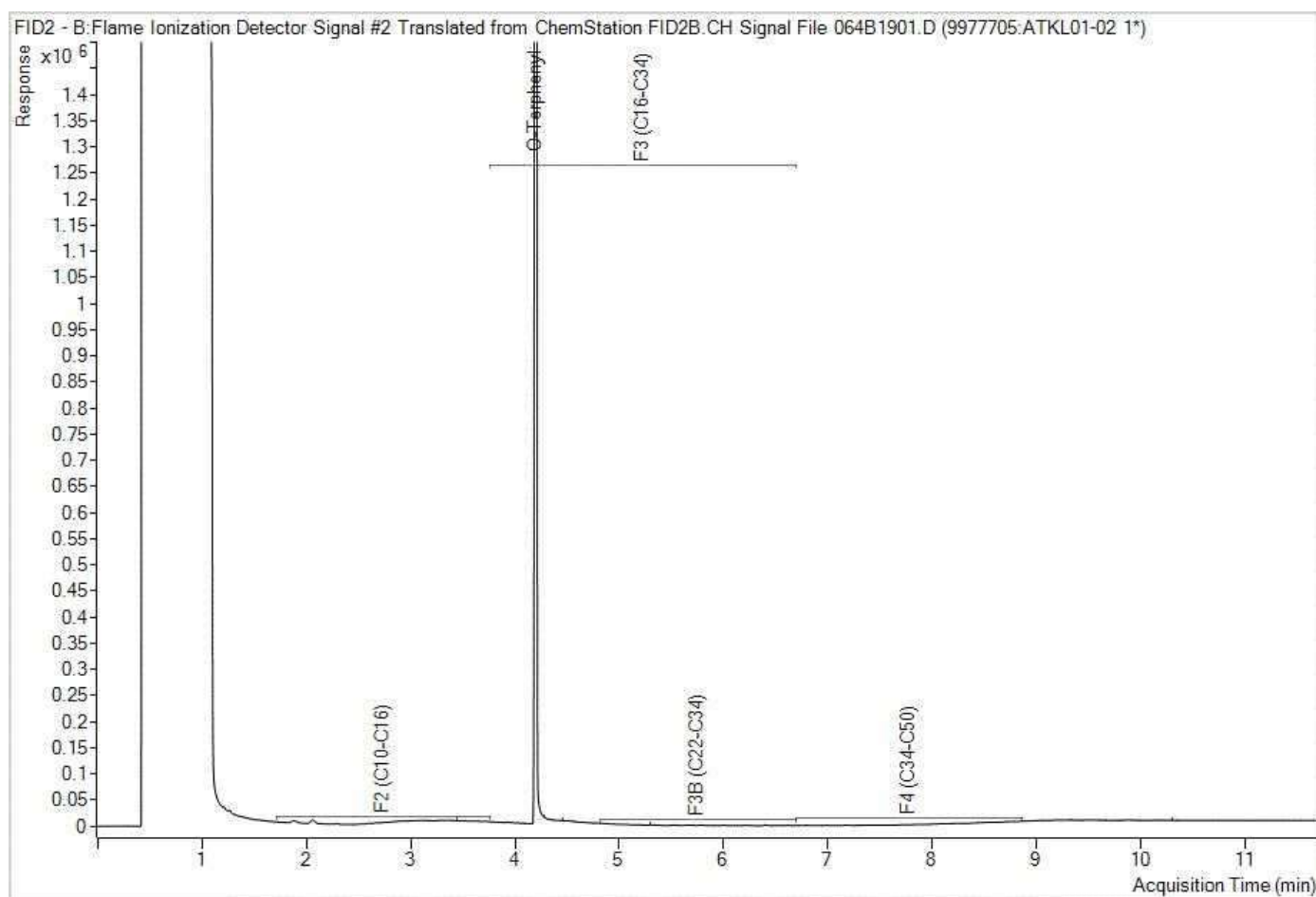
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

9.5 Site Photographs

This appendix includes:

- Site photographs taken during the site visit on 26 June 2025;
- Aerial photographs of the Phase One Property.



Photo 1: View of Property at 2301 Carp Road
(Photo taken looking south).



Photo 2: View of shed remnants on-site, with Laurysen
building in background, at 2301 Carp Road
(Photo taken looking southeast).



Photo 3: View of site along south property line, at 2301
Carp Road
(Photo taken looking east).



Photo 4: View of site along east property line, at 2301
Carp Road
(Photo taken looking north).



Photo 5: View of shed at northeast corner of property, note jerry can near entrance (red circle)
(Photo taken looking north)



Photo 6: Exterior view of shed, note debris and vegetation
(Photo taken looking south).



Photo 7: View of west shipping container interior.



Photo 8: View of east shipping container interior.



Photo 9: View of on-site storage
(Photo taken looking southeast).



Photo 10: View of on-site storage
(Photo taken looking northwest).



Photo 11: Example of freshly stained gravel.



Photo 12: Stained soil in shed area.



Photo 13: Example of oily gravel placed at the site
(Photo taken looking southeast).



Photo 14: View of active fill area northwest of site
(Photo taken looking northwest).



Photo 15: View of surface water pond north of site
(Photo taken looking northeast).



Photo 16: View of north side of Laurysen property east of site.
(Photograph taken looking east).



Photo 17: Weigh scale and surface water pond, southeast of site
(Photo taken looking southwest).



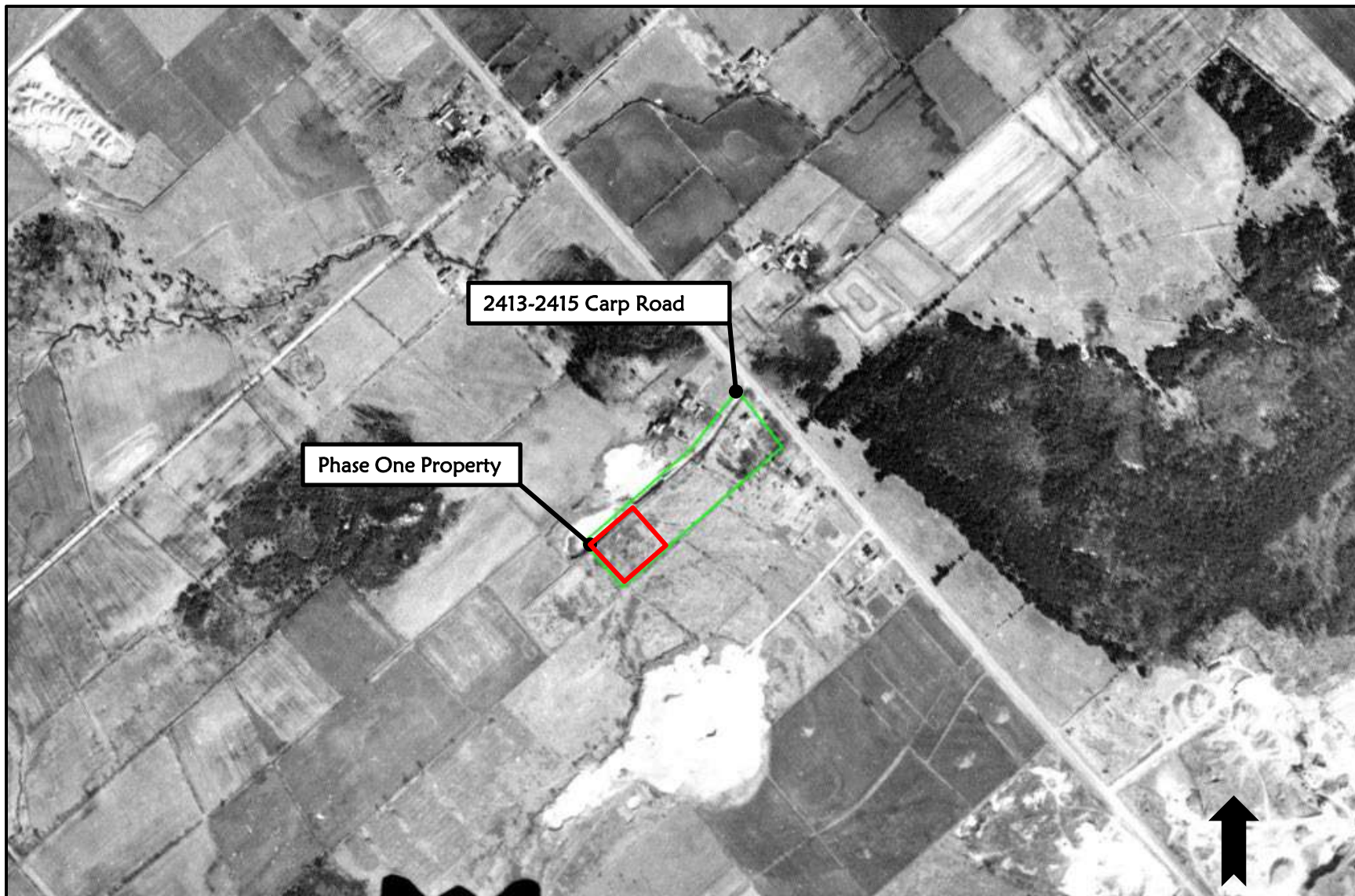
Photo 18: Surface water pond south of site
(Photo taken looking southeast).



Photo 19: Future landfill area adjacent to active area, west of site
(Photo taken looking west).



Photo 20: Laurysen property, storage shed (including chemicals) and residential buildings (office)
(Photo taken looking north).



HISTORICAL AERIAL PHOTOGRAPHS – 1964
Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa, Ontario





HISTORICAL AERIAL PHOTOGRAPHS – 1976
Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa, Ontario





HISTORICAL AERIAL PHOTOGRAPHS – 1991
Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa, Ontario





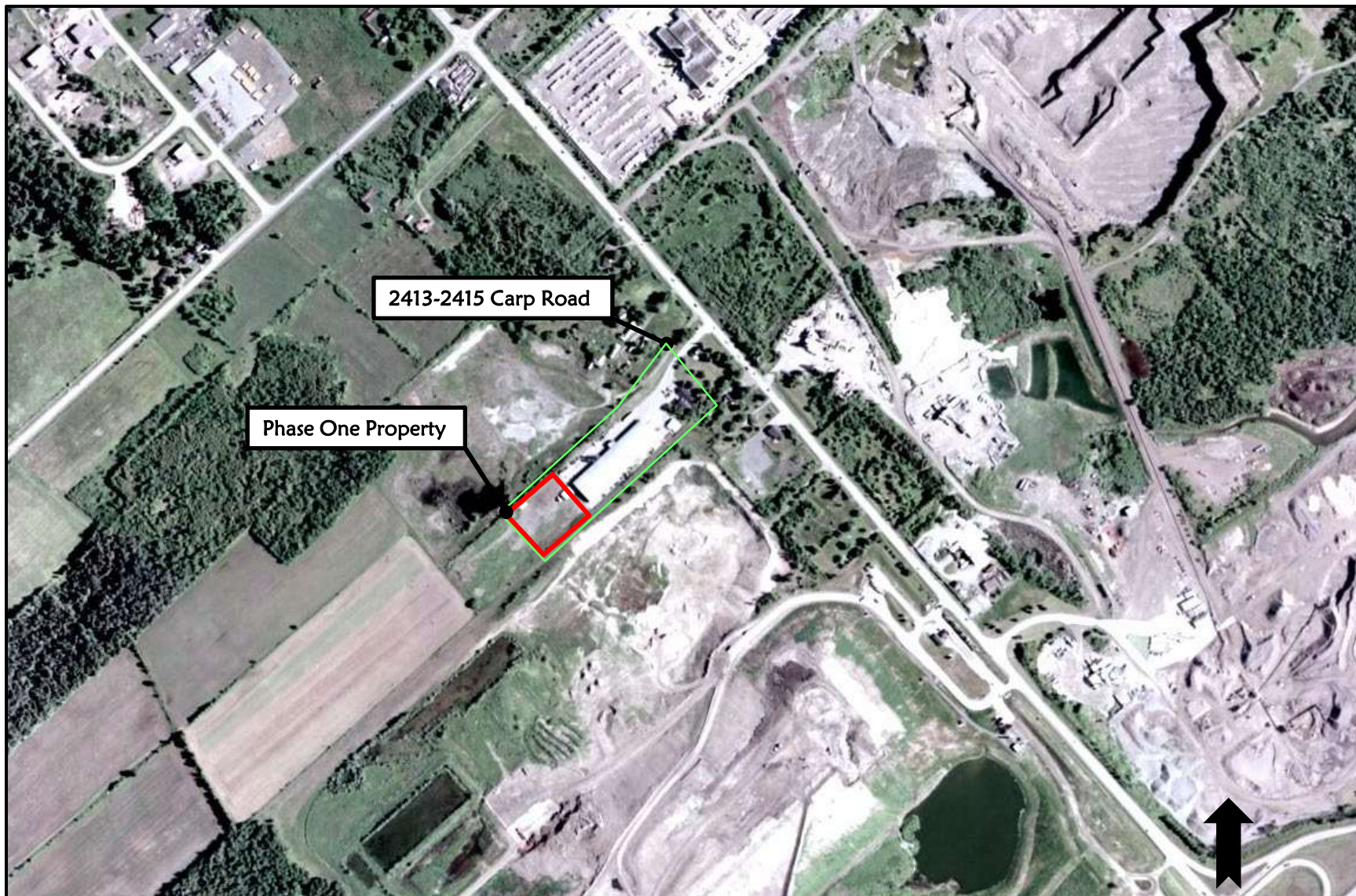
HISTORICAL AERIAL PHOTOGRAPHS – 1999
Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa, Ontario





HISTORICAL AERIAL PHOTOGRAPHS – 2002
Phase One Environmental Site Assessment
2413-2415 Carp Road, Ottawa, Ontario





HISTORICAL AERIAL PHOTOGRAPHS – 2005
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HISTORICAL AERIAL PHOTOGRAPHS – 2008
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HISTORICAL AERIAL PHOTOGRAPHS – 2011
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HISTORICAL AERIAL PHOTOGRAPHS – 2014
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HISTORICAL AERIAL PHOTOGRAPHS – 2019
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HISTORICAL AERIAL PHOTOGRAPHS – 2021
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