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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive
Ottawa, Ontario

Prepared for

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Project Number: TR0936B1

24 October 2024

TABLE OF CONTENTS

LIST OF APPENDICES

1. EXECUTIVE SUMMARY

Geosyntec Consultants International, Inc. (Geosyntec) was retained by Medusa General Partner Inc. to prepare a Phase One Environmental Site Assessment (ESA) of the properties located at 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive in Ottawa, Ontario (hereinafter referred to as the "Phase One Property" or the "Site"). Geosyntec's assignment was conducted in accordance with the terms and conditions outlined in Geosyntec's proposal to Medusa General Partner Inc. dated 01 October 2024.

The Phase One ESA was undertaken in accordance with the prescribed requirements of Ontario Regulation (O. Reg.) 153/04, as amended. It is Geosyntec's understanding that this Phase One ESA is required by the City of Ottawa to support Site redevelopment and that a Record of Site Condition (RSC) is not required. The scope of work included a review of readily available relevant records, a Site reconnaissance, interviews, and a review of information and reporting, subject to the limitations outlined in Section 2.3 of this report. The Site reconnaissance included a visual inspection of exterior areas on-Site and on adjacent properties.

Medusa General Partner Inc. is the owner of the Phase One Property, which is comprised of three separate land parcels (with three distinct addresses) located within the City of Ottawa. The Phase One Property is zoned IL9 (Light Industrial) under City of Ottawa By-Law No. 2008-250, which permits a wide range of low impact light industrial uses. A Site Location Map is presented on **Figure 1** of **Appendix A**.

The Phase One Property measures approximately 31.8 hectares (78.6 acres) in size. The Site comprises agricultural cropland and open field with no buildings present, with the farmed (north) portion of the Site currently utilized for soy and corn farming. The Site may be accessed from Longfields Drive to the west, Bill Leathem Drive and Paragon Avenue to the south, Leikin Drive to the southeast, and Merivale Road to the northeast. There are no on-Site surface water bodies; however, in the past there may have been a naturally occurring drainage ditch/swale on the southeast portion of the Site that is no longer evident. A Site Plan is presented on **Figure 2** of **Appendix A.**

The Phase One Property is located in an area that is developed with a mix of agricultural, industrial/commercial, and residential properties. The Site is bounded by agricultural properties and an industrial/commercial property to the north; Longfields Drive, Bill Leathem Drive, industrial/commercial properties and vacant lands (under construction) to the south; Paragon Avenue, Leikin Drive, and a mix of agricultural properties and open field to the east; and, Bill Leathem Drive and a mix of agricultural properties and open field to the west. The Phase One Study Area is presented on **Figure 3** of **Appendix A**.

According to historical records, the Phase One Property was developed prior to the mid-1930s for agricultural purposes, and most recently used for soy and corn farming. Presently, only the northern portion of the Site is farmed, with agricultural operations on the southern portion reportedly having ceased in approximately 2000.

Based on the results of the Phase One ESA, the following potentially contaminating activity (PCA) was identified on-Site (additional details provided in Section 7.2), and is considered to represent an area of potential environmental concern (APEC) on the Phase One Property:

PCA Classification *(Table 2 of Schedule D, O. Reg. 153/04)*	**Location of PCA**
#30 – Importation of Fill Material of Unknown Quality	On-Site (northeast corner of 2 Leikin Drive)

The above PCA is considered to represent the following APEC on the Phase One Property (additional details provided in Section 7.3):

- **APEC #1** – Potential presence of fill material of unknown quality on the northeastern corner of the Phase One Property;

The PCA and APEC are shown in **Appendix A**, on **Figure 4** and **Figure 5**, respectively. Based on the presence of one APEC on the Phase One Property, a Phase Two ESA is required.

2. INTRODUCTION

2.1 Phase One Property Information

Geosyntec was retained by Medusa General Partner Inc. to conduct a Phase One ESA at 99 Bill Leathem Drive, 2 Leikin Drive and 20 Leikin Drive in Ottawa, Ontario (ON) (hereinafter referred to as the "Phase One Property" or the "Site"). A Site Location Map and Site Plan are provided in **Appendix A**, on **Figure 1** and **Figure 2**, respectively.

Phase One Property Information			
Phase One Property Addresses:	99 Bill Leathem Drive, Ottawa, ON K2C 3H1	2 Leikin Drive, Ottawa, ON K2C 3H1	20 Leikin Drive, Ottawa, ON K2C 3H1
Property Identification Number (PIN):	04733-6826	04733-6829	04733-0484
Legal Description:	PART OF LOTS 18 AND 19 CONCESSION 1, RF, NEPEAN	PART OF LOTS 18 AND 19 CONCESSION 1, RF, PART 5 PLAN 4R8388 AND PARTS 4, 5, AND 6 PLAN 4R8276, EXCEPT PART 4 PLAN 4R8388, AND EXCEPT PARTS 5, 6, AND 7 PLAN 4R233595, NEPEAN	PART OF LOTS 18 AND 19 CONCESSION 1, RF, PART 3 PLAN 4R8388 AND PARTS 7, 8, AND 9 PLAN 4R8276, S/T N311767, NEPEAN
Ownership:	Medusa General Partner Inc.		
Site Contact Information:	Russell Beach, Senior Development Manager russell.beach@broccolini.com		

Medusa General Partner Inc. is the owner of the Phase One Property, which is comprised of three separate land parcels (with three distinct addresses) located within the City of Ottawa. The Phase One Property is zoned IL9 (Light Industrial) under City of Ottawa By-Law No. 2008-250, which permits a wide range of low impact light industrial uses. A copy of a current plan of survey for the Phase One Property, signed and sealed by a surveyor, is provided in **Appendix B**.

The Phase One Property measures approximately 31.8 hectares (78.6 acres) in size. The Site comprises agricultural cropland and open field with no buildings present, with the farmed (north) portion of the Site currently utilized for soy and corn farming. The Site may be accessed from Longfields Drive to the west, Bill Leathem Drive and Paragon Avenue to the south, Leikin Drive to the southeast, and Merivale Road to the northeast. There are no on-Site surface water bodies however, in the past there may have been a naturally occurring drainage ditch/swale on the southeast portion of the Site that is no longer evident.

Geosyntec understands that Broccolini Construction Inc. (Broccolini), on behalf of Medusa General Partner Inc., intends to develop the Phase One Property for commercial/industrial use. It

is our understanding that a Phase One ESA, prepared in accordance with O. Reg. 153/04, as amended, is required to be submitted to the City of Ottawa in support of the Site plan approval and that an RSC is not required.

2.2 Significant Assumptions

Geosyntec took no significant assumptions into account as part of this project, except as noted in the proposal.

2.3 Limitations, Deviations, and Exceptions

This Phase One ESA was conducted according to the agreed upon scope of work and includes the following essential components: a Site description and history; a review of database records; a summary of visual observations made during the Site reconnaissance; and a summary of information obtained during interviews of persons with knowledge of Site conditions. Geosyntec did not view heavily vegetated areas during the Site reconnaissance and we were not provided with and did not identify owner contact information prior to the current Site owner. However, since the Site is agricultural and relevant historical documents were obtained, these limitations are not considered to be significant.

This Phase One ESA did not include sampling rock, soil, groundwater, surface water, soil vapor, air, or on-site substances or materials. Therefore, it is not possible to confirm the presence or absence of contaminants in the environments associated with the Phase One Property.

The findings and conclusions presented in this Phase One ESA are the result of professional interpretation of the information collected at the time of this study. Specified information contained in this report has been obtained from publicly available sources and other secondary sources of information. Although care has been taken in compiling this information, Geosyntec has not independently validated this information and provides no warranty as to its accuracy or completeness. The Phase One ESA does not necessarily include an exhaustive search of all available records nor does it include a detailed assessment of all Phase One ESA findings. Therefore, Geosyntec cannot “certify” or guarantee that any property is free of environmental impairment; no warranties regarding the environmental quality of the property are expressed or implied.

2.4 Special Terms and Conditions

No special contractual terms or conditions were taken into account as part of this project, except as noted in the proposal.

2.5 User Reliance

This Phase One ESA report has been prepared solely for the benefit of Medusa General Partner Inc. Geosyntec has issued the Phase One ESA report to Medusa General Partner Inc. and grants Medusa General Partner Inc. the right to rely on the report contents. Except as specifically set forth in Geosyntec's proposal to Medusa General Partner Inc. to perform this work, no third party shall have the right to rely on Geosyntec opinions rendered in connection with the Services without Geosyntec's written consent which may be conditioned on the third party's agreement to be bound to acceptable conditions and limitations similar to those agreed to by Medusa General Partner Inc. Please note that Geosyntec's consent to provide a right-to-rely on the Phase One ESA report is subject to Medusa General Partner Inc.'s approval and to agreement to Geosyntec's terms and conditions associated with Geosyntec's performance of this specific Phase One ESA.

3. SCOPE OF INVESTIGATION

The Phase One ESA was prepared in accordance with the requirements of O. Reg. 153/04, as amended, and included the following tasks conducted by Geosyntec:

- A review of readily available records as listed in Part II of Schedule D of O. Reg. 153/04, as amended. The following types and sources of information were obtained and reviewed as part of the records review, where applicable, available, and as reasonably accessible:
    - General records (Section 4.1), including fire insurance plans (FIPs), property underwriter reports (PUPs), property underwriter plans (PURs), a chain of title search back to the first developed use of the Site, previous environmental site assessment reports, and city directory records;
    - Environmental source information (Section 4.2), including a review of a environmental database report prepared by Environmental Risk Information Service Ltd. (ERIS), which included a search of federal, provincial, and private databases records for the Phase One Property and properties within the Phase One Study Area;
    - Regulatory records (Section 4.3), including submission of requests to the Ontario Ministry of the Environment, Conservation and Parks (MECP) and the Technical Standards and Safety Authority (TSSA);
    - Physical setting sources (Section 4.4), including aerial photographs, topographic maps, physiographic maps, and geological maps, and well records; and
    - Site operating records (Section 4.5), including regulatory permits and records, material safety data sheets, underground utility drawings, inventories of chemical uses and chemical storage areas, and inventories of aboveground and underground storage tanks (ASTs/USTs).
- Completion of interviews with key personnel and designated Site Representative(s), including representatives of the current Phase One Property owner, as a resource for current and historical information pertaining to the Site (Section 5);
- Completion of a Site reconnaissance of the Phase One Property in order to identify any land use practices that may have impacted the environmental condition of the Site (Section 6);
- A review and evaluation of the information obtained from the above tasks to identify PCAs at the Site and within the Phase One Study Area, and to assess whether each PCA is considered to contribute to an APEC on the Phase One Property, where one or more contaminants of potential concern (COPCs) may be present (Section 7); and

- Preparation of this Phase One ESA report in accordance with the requirements described within Part VI of Schedule D of O. Reg. 153/04, Schedule D.

This Phase One ESA was conducted under the supervision of Paula Hutchison, P.Eng., the Qualified Person for Environmental Site Assessment (QP_{ESA}), in accordance with O. Reg. 153/04, as amended for this Phase One ESA report. Under her direction and oversight, the Site visit was conducted on 03 October 2024 by Scott Ambridge of Geosyntec. The report was drafted by Hadiqa Butt and Brooke Wallace and reviewed by Paula Hutchison of Geosyntec. The professional qualifications of the individuals above are presented in Section 8.2.

4. RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The Phase One Property covers the properties located at 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive. The Phase One Study Area includes those properties, wholly or partly located within 250 metres (m) of the boundary of the Phase One Property. The Qualified Person (QP_{ESA}), Ms. Paula Hutchison, confirms that the conventional distance of 250 m from the boundary of the Phase One Property was sufficient for defining the purpose of the Phase One Study Area for all records reviewed. This was based on the fact that the Phase One Property is located in a rural area. The Phase One Property and Phase One Study Area are shown on **Figure 3** of **Appendix A**.

4.1.2 First Developed Use Determination

Based on a review of chain of title searches, historical aerial photographs, and interviews, the Phase One Property was purchased as Crown land in the mid-1830s and was developed in the mid-1930s for agricultural purposes, most recently for soy and corn farming. Therefore, the first developed use of the Phase One Property is considered to be the use of the property for agricultural purposes beginning in the mid-1930s.

4.1.3 Fire Insurance Plans, Property Underwriter Reports, and Property Underwriter Plans

A request for FIPs, PURs, and PUPs covering the Phase One Study Area was submitted to OPTA Information Intelligence (OPTA) through ERIS. No PURs and PURs pertaining to the Site, and no FIPs pertaining to the Phase One Study Area, were identified by OPTA.

4.1.4 Chain of Title

Geosyntec retained ERIS to provide a chain of title report summarizing the historical ownership of the Phase One Property dating back to 1832. The results of the search are as follows:

Date	Party From	Party To
17 January 1832 (Part Lot 18)	Crown	John Smith
20 October 1834 (Part Lot 19)	Crown	Maria Robertson
8 May 1832	John Smith	Asza Werdon
2 July 1837	Maria Robertson	Benjamin Holmes
10 April 1841	Asza Werdon	Sidney Helmer
26 April 1841	Sidney Helmer	James Burrows
28 February 1850	Benjamin Holmes	William Hopper
28 February 1850	William Hopper	George Hopper

Date	Party From	Party To
15 January 1851	George Hopper	John Stinson
9 February 1870 (Part Lot 18)	James Burrows	Henry Burrows
1 May 1872 (Part Lot 19)	John Stinson	James Falls
10 April 1875	Henry Burrows	William Fulford
3 November 1879	William Fulford	Jane Johnston
30 April 1887	James Falls	John Falls
6 February 1893	Jane Johnston	John Stinson
2 April 1918	John Falls	William J.R. Falls
5 July 1926	John Stinson	Frederick Stinson
19 May 1944 (Part Lot 18)	Frederick Stinson	Cecil Rivington
4 May 1946 (Part Lot 19)	William J.R. Falls	Cecil Rivington
31 December 1953	Cecil Rivington	Zena Leikin
9 July 1964 (Part Lot 19)	Zena Leikin	Zena Holding Limited
29 September 1964 (Part Lot 18)	Zena Leikin	Zena Holding Limited
31 October 1985 (Easement)	Zena Holdings Limited	The Corporation of The City of Nepean
5 January 1993	Zena-Kinder Holdings Limited (formerly Zena Holdings Limited)	The Corporation of The City of Nepean
29 January 1993	The Corporation of The City of Nepean	Zena-Kinder Holdings Limited
16 November 2021	Zena-Kinder Holdings Limited	Medusa General Partner Inc., Medusa Limited Partnership
20 June 2024 (Transfer Partnership)	Medusa General Partner Inc., Medusa Limited Partnership	Medusa General Partner Inc.

Based on a review of the ERIS chain of title report, the Phase One Property has been owned by various private individuals from 1832 through 1953. In 2021, the Phase One Property was acquired by the present-day property owner (Medusa General Partner Inc.).

A copy of the chain of title search and chain of title report for the Phase One Property is provided in **Appendix C**.

4.1.5 Environmental Reports

A copy of the following environmental investigation report was provided to Geosyntec by Broccolini, on behalf of the Site Owner:

- *'Phase I – Environmental Site Assessment, Vacant Commercial Property, South Merivale Business Park, Nepean, Ontario'*, prepared by John D. Paterson and Associates Limited (JDPA), dated September 28, 1998 (the "1998 Phase I ESA").

- '*Geotechnical Investigation, Proposed Sortation Facility, 99 Bill Leathem Drive, 2 & 20 Leikin Drive and 11 Beckstead Road, Ottawa, Ontario*', prepared by Paterson Group (Paterson), dated September 10, 2024 (the "2024 Geotechnical Investigation").

Furthermore, Geosyntec conducted the following environmental investigations at the Phase One Property in 2021:

- '*Phase One Environmental Site Assessment, 99 Bill Leathem Drive, 2 Leiken Drive, and 20 Leikin Drive, Ottawa, Ontario*' prepared by Geosyntec, dated May 17, 2021 (the "2021 Phase One ESA").
- '*Phase Two Environmental Site Assessment, 99 Bill Leathem Drive, 2 Leiken Drive, and 20 Leikin Drive, Ottawa, Ontario*' prepared by Geosyntec, dated July 23, 2021 (the "2021 Phase Two ESA").

A discussion of pertinent documentation is provided below.

1998 Phase I ESA

JDPA completed a Phase I ESA at a larger property comprising the Phase One Property and the adjoining lands to the east (the "Larger Property") in September 1998. At that time, the Larger Property was vacant and consisted of a combination of farmed fields (inferred to produce corn, hay, and wheat) and grassed areas and was free of buildings. A sanitary sewer tunnel, oriented west to east, was located on the Larger Property and was accessible via an entry shaft located to the east between Leikin Drive and Beckstead Road. JDPA concluded that no further work was required at the Larger Property (including the Phase One Property).

2021 Phase One ESA

Geosyntec completed a Phase One ESA at the Phase One Property, in accordance with O. Reg. 153/04 in 2021. The Phase One ESA was completed on behalf of Medusa LP to support Site Plan Approval. The following APECs were identified at the Phase One Property:

- Potential current and/or former use of pesticides across the Phase One Property;
- Potential presence of fill material of unknown quality across the southern portion, east-central portion and in the northeastern corner of the Phase One Property; and
- Potential current and/or former use of pesticides on adjacent lands to the north, west and east of the Phase One Property.

Given the presence of APECs on the Phase One Property, a Phase Two ESA was recommended.

2021 Phase Two ESA

Geosyntec completed a Phase Two ESA at the Phase One Property, in accordance with O. Reg. 153/04 in 2021. The Phase Two ESA was conducted in order to assess the APECs identified during the 2021 Phase One ESA. The Phase Two ESA included the advancement of 11 boreholes; four of which were completed as groundwater monitoring wells. Soil and groundwater samples were collected from the borehole and monitoring well locations for analysis of the contaminants of potential concern (COPCs) including, volatile organic compounds (VOCs), petroleum hydrocarbons (PHCs), polycyclic aromatic hydrocarbons (PAHs), metals and inorganics, and organochlorine (OC) pesticides. The results were compared to the Table 2: Full Depth Generic Site Condition Standards (SCS) in a Potable Ground Water Condition[1] for industrial/commercial/community land use and fine-textured soils (Table 2 SCS). The Phase Two ESA investigation identified vanadium concentrations greater than the respective Table 2 SCS in soil samples collected from nine borehole locations. Geosyntec considered the concentrations to be naturally occurring as vanadium can be associated with the Champlain Sea clay deposits, which commonly contain concentrations of trace metals, including vanadium, at concentrations above the '*Table 1: Full Depth Background Site Condition Standards*' (Table 1 SCS).

It was also noted that, for the purposes of the Phase Two ESA, the exemption under O. Reg. 153/04, Section 49.1, Paragraph 1 was relied upon. Based on the results of the Phase Two ESA investigation, chloride was identified at a concentration greater than the respective Table 2 SCS in one groundwater sample is attributed to the application of de-icing salt on the adjacent municipal right-of-way (i.e. Merivale Road), for the purposes of safety for vehicular and pedestrian traffic during the winter months.

Given that OC pesticides were not identified above the Table 2 SCS in soil or groundwater during the 2021 Phase Two ESA investigation, historical pesticide use is not considered to represent a PCA at the Phase One Property for this Phase One ESA. Further, soil samples were collected and analyzed for COPCs in the vicinity of observed potential fill material in the southern portion, east-central portion and in the northeastern corner of the Phase One Property. Given that concentrations were less than the respective Table 2 SCS in these areas (with consideration of regional background vanadium concentrations), the presence of historical fill material is not considered to represent a PCA at the Phase One Property.

[1] Soil, ground water and sediment standards for use under Part XV.1 of the Environmental Protection Act, Ministry of the Environment, April 15, 2011.

2024 Geotechnical Investigation

Paterson completed a geotechnical investigation at a larger property comprising the Phase One Property and the adjoining lands to the east (the "Larger Property") in September 2024. The investigation was completed on behalf of Broccolini for the proposed development. The geotechnical investigation included the advancement of 32 boreholes. Seven of the boreholes were completed as groundwater monitoring wells and five were completed as piezometers. Subsurface stratigraphy consisted of a layer of topsoil followed by a silty clay deposit which extended from depths ranging from 2.9 to 4.5 m below ground surface (bgs) to depths ranging from 9.0 to 17.0 m bgs. The silty clay deposit was underlain by a dense glacial till deposit (silty clay or silty sand), with practical refusal observed at depths ranging from 17.4 to 23.6 m bgs. Bedrock consisting of dolomite was encountered at depths ranging from 19.3 to 25.4 m bgs. Groundwater was measured at depths ranging from 0.63 to 4.97 m bgs. Paterson estimated that long term groundwater table was expected to range from 2.5 to 3.5 m bgs. Paterson concluded that the Larger Property was suitable for the proposed development.

4.1.6 City Directories

Geosyntec contacted ERIS to complete a search of city directory listings for the Phase One Property and for other properties located within the Phase One Study Area. Based on Geosyntec's review of the city directory listings provided by ERIS, the addresses comprising the Phase One Property were not listed in the city directories dated 1961 to 2021. The listings for other properties located within the Phase One Study Area were not listed in the city directories dated 1961 to 2021. At 73 Leikin Drive, a listing was noted as Sodexo Canada Inc. and Tim Hortons in 2017, and in 2021, additional commercial properties were listed as Mountain Shop and Royal Canadian Mounted Police.

4.2 Environmental Source Information

Geosyntec contacted ERIS in August 2024 to complete a search of federal, provincial, and private source environmental databases (database publication dates included in parentheses) for records pertaining to the Phase One Property and for other properties located within the Phase One Study Area. The ERIS report was generated based on a search area of 300 m from the Phase One Property boundary. A copy of the ERIS database report is provided in **Appendix D.**

4.2.1 National Pollutant Release Inventory

A search of the *'National Pollutant Release Inventory'* (NPRI) (1993 – May 2017) database, maintained by Environment Canada, did not identify any listings for the Phase One Property or for other properties located within the Phase One Study Area.

4.2.2 PCB Information

A search of the *'National PCB Inventory'* (NPCB) (1988 – 2008) and *'Ontario Inventory of PCB Storage Sites'* (OPCB) (1987 – October 2004; 2012 – December 2013) databases, maintained by Environment Canada, did not identify any listings for the Phase One Property, or for other properties located within the Phase One Study Area.

4.2.3 Environmental Compliance Approvals, Certificates, and Permits

A search of the *'Certificates of Approval'* (CA) (1985 – October 30, 2011), *'Environmental Activity and Sector Registry'* (EASR) (October 2011 – June 30, 2024), *'Environmental Registry'* (EBR) (1994 – June 30, 2024), *'Environmental Compliance Approval'* (ECA) (October 2011 – June 30, 2024), *'Non-Compliance Reports'* (NCPL) (December 31, 2018), *'Pesticide Register'* (PES) (October 2011 – June 30, 2024), and *'Permit to Take Water'* (PTTW) (1994 – June 30, 2024) databases identified two ECA listings for the Phase One Property.

- Medusa General Partner Inc. is listed twice in the ECA database. According to these listings, an expired Permit to Take Water (PTTW) was issued to Broccolini (#1200-C4VKPF) related to construction dewatering for building excavation and site servicing issued on 14 October 2021.

Two EASR listings, three EBR listings, five ECA listings were identified for other properties located within the Phase One Study Area:

- 61 Bill Leathem Drive (located adjacent to the southern boundary of the Site):
    - Two EASR listings for Lumentum Ottawa Inc. for a heating system (#R-003-6325612993) and a standby power system (#R-002-3388758525), dated 16 April 2013 and 21 November 2013, respectively;
    - Two EBR listings for JDS Uniphase Inc. at 15 Bill Leathem Drive (former address, inferred to be synonymous with 61 Bill Leathem Drive) for two approvals to discharge into the natural environment other than water (i.e., air), dated 13 November 2007 (#010-0780) and 23 December 2013 (#011-3348);
    - Two ECA listings for JDS Uniphase Inc. pertaining to an ECA – Air (#8200-9DTU4Y), dated 13 December 2013; and
    - One ECA listing for JDS Uniphase Inc. for a revoked and/or replaced ECA – Air (#9682-78NHMB), dated 5 November 2007.
- 50 Leikin Drive (proponent address at 2701 Riverside Drive; located adjacent to the south of the Phase One Property):

  - One EBR listing for Canada Post Corporation pertaining to an ECA of sewage (#019-7635), dated 29 November 2023; and

  - One ECA listing for Canada Post Corporation pertaining to an ECA – Industrial Sewage Works (#4640-CWWN6R), dated 28 November 2023.

- One ECA listing for City of Ottawa at Part of Lots 18 and 19, Concession 1, Rideau Front (located approximately 140 m southwest of the Site) for an ECA – Municipal Drinking Water Systems (#6981-7SHQNB), dated 2 June 2009.

Due to the nature of the above listings (i.e., approvals for air emissions and water works), which do not appear to be indicative of chemical waste/storage activities and/or releases, the above listings are not considered to represent off-Site PCAs.

4.2.4 Coal Gasification Plants Inventory Information

A search of the *'Coal Gasification Plants and Coal Tar Sites'* (COAL) (April 1987 and November 1988) database did not identify any listings for the Phase One Property or for other properties located within the Phase One Study Area.

4.2.5 Records of Environmental Incidents, Orders, Offences, Spills, Discharges, or Inspections

A search of the *'Compliance and Convictions'* (CONV) (1989 – May 2024), *'Fuel Oil Spills and Leaks'* (INC) (31 October, 2023), *'National Environmental Emergencies System (NEES)'* (NEES) (1973 – 2003), *'Orders'* (ORD) (1994 – June 30, 2024), *'TSSA Pipeline Incidents'* (PINC) (28 February, 2021), and the *'Ontario Spills'* (SPL) (1988 – January 2023) did not identify any listings for the Phase One Property; however, the following SPL listing was identified for another property located within the Phase One Area:

- 90 Bill Leathem Drive (located to the southwest of the Site across Bill Leathem Drive) is listed in the SPL database for a release of 20 litres (L) of hydraulic oil to land due to a hose leak/break on 6 March 2020. Potential for environmental impact was not provided in the listing.

The above listing is indicative of a release of hydraulic oil at a property located within the Phase One Study Area and is therefore considered to represent an off-Site PCA.

4.2.6 Waste Management Records

A search of the *'Ontario Regulation 347 Waste Generators Summary'* (GEN) (1986 – October 31, 2022) and *'Ontario Regulation 347 Waste Receivers Summary'* (REC) (1966 – 1990, 1992 – 2021)

databases did not identify any listings for the Phase One Property; however, 48 GEN listings were identified for other properties located within the Phase One Study Area:

- 61 Bill Leathem Drive (located adjacent to the southern boundary of the Site):
    - 13 GEN listings for JDS Uniphase Inc., followed by Lumentum Ottawa Inc., for registration as a generator (#ON4267608) of subject wastes including inorganic laboratory chemicals, organic laboratory chemicals, acid wastes – heavy metals, alkaline wastes – heavy metals, alkaline wastes – other metals, detergents/soaps, organic acids, amines, waste compressed gases, other specified organics, aliphatic solvents, and waste oils and lubricants from 2007 and as of October 2022.
- 90 Bill Leathem Drive (located to the southwest of the Site across Bill Leathem Drive):
    - Two GEN listings for Consumers Gas Company Ltd. for registration as a generator (#ON0060850; now inactive) of subject wastes including oil skimmings and sludges and waste oils and lubricants, listed from 1996 to 2001;
    - One GEN listing for Enbridge Gas Services Inc. for registration as a generator (#ON2658900; now inactive) of subject wastes including waste oils and lubricants, listed in 2001;
    - 13 GEN listings for Enbridge Gas Distribution for registration as a generator (#ON6512754) of subject wastes including alkaline wastes, heavy metals, waste oils and lubricants, aliphatic solvents, organic laboratory chemicals, petroleum distillates, light fuels, oil skimmings and sludges, waste compressed gases, other specified inorganics, paint/pigment/coating residues, and polychlorinated biphenyls (PCBs), listed from 2003 and as of October 2022; and
    - One GEN listing for Direct Energy Inc. for registration as a generator (#ON7859537; now inactive) of subject wastes, listed in 2004. Registered waste classes were not provided in the listing.
- One GEN listing for Royal Canadian Mounted Police at 73 Leikin Drive (located approximately 120 m south of the Site) for registration as a generator (#ON9360242) of pathological wastes in 2022.
- One GEN listing for Del Management at 2746 Prince of Wales Drive (located approximately 80 m to the northeast of the Site) for registration as a generator (#ON4759000) of subject wastes, listed in 2011. Registered waste classes were not provided in the listing.

The above listings indicate current and former waste generation activities at properties within the Phase One Study Area. Based on the types of wastes generated, the listings at 61 and 90 Bill Leathem Drive are considered to represent off-Site PCAs.

4.2.7 Records Submitted to the Ministry

A search of the *'Certificates of Property Use'* (CPU) (1994 – June 30, 2024), *'Environmental Effects Monitoring* (EEM) (1992 – 2007), *'Environmental Issues Inventory System'* (EIIS) (1992 – 2001), *'Contaminated Sites on Federal Land'* (FCS) (June 2000 – June 2024), and *'Waste Water Discharger Registration Database'* (SRDS) (1990 – December 31, 2021) databases did not identify any listings for the Phase One Property, or for other properties located within the Phase One Study Area.

4.2.8 Fuel Storage Tanks Information

A search of the *'Aboveground Storage Tanks'* (AST) (May 31, 2014), *'Commercial Fuel Oil Tanks'* (CFOT) (October 2023), *'Delisted Fuel Tanks'* (DTNK) (October 2023), *'List of Expired Fuels Safety Facilities'* (EXP) (October 2023), *'Fuel Storage Tank'* (FST) (October 2023), *'Fuel Storage Tank – Historic'* (FSTH) (Pre-January 2010), *'Federal Identification Registry for Storage Tank System'* (FRST) (October 31, 2021), *'TSSA Historic Incidents'* (HINC) (2006 – June 2009), *'Private and Retail Fuel Storage Tanks'* (PRT) (1989 – 1996), *'Retail Fuel Storage Tanks'* (RST) (1999 – April 30, 2024), *'Anderson's Storage Tanks'* (TANK) (1915 – 1953), and *'TSSA Variances for Abandonment of Underground Storage Tanks'* (VAR) (February 28, 2022), databases did not identify any listings for the Phase One Property; however, one CFOT listing and four FST listings were identified for other properties located within the Phase One Study Area:

- 73 Leikin Drive (located approximately 120 m south of the Site):
    - One CFOT listing for Public Works Government Services Canada for a double wall, liquid fuel UST with a capacity of 5,000 L. The install date of the tank is listed as 2012;
    - One FST listing for Public Works Government Services Canada for a double wall, liquid fuel UST with a capacity of 5,000 L. The install date of the tank is listed as 1 December 2016; and
    - Four FRST listings for tanks at the property as follows:
        - One 7,600 L diesel aboveground storage tank (AST) encased in concrete and a 1,135 L diesel AST located on the roof. The install date of the tanks is listed as 2009;
        - One 13,000 L diesel AST and two 454 L diesel day tanks associated with the emergency generator at this facility installed in 2010, and a 5,000 L diesel UST installed in 2012; and

    - One double wall 26,119 L diesel AST located on a concrete pad with 3 sided curb, installed in 2019.

- 2931 Highway 16 (now Merivale Road, located approximately 190 m east of the Site):

    - Three FST listings for Mr. Gas Limited for three single wall, liquid fuel USTs with capacities of 15,000 L and 22,700 L. The install date of the tanks is listed as 10 February 1989.

The above listings indicate the current/former presence of fuel USTs at properties within the Phase One Study Area and are therefore considered to represent off-Site PCAs.

4.2.9 Notices and Instruments, including Records of Site Condition

A search of the *'Record of Site Condition'* (RSC) (1997 – October 2004 – June 2024) databases did not identify any listings for the Phase One Property or for other properties located within the Phase One Study Area.

4.2.10 Landfill Information

A search of the *'Anderson's Waste Disposal Sites'* (ANDR) (1860s – Present), *'Landfill Inventory Management Ontario'* (LIMO) (March 31, 2022), *'Waste Disposal Sites – MOE CA Inventory'* (WDS) (October 2011 – June 30, 2024), and *'Waste Disposal Sites – MOE 1991 Historical Approval Inventory'* (WSDH) (Up to October 1990) databases did not identify any listings for the Phase One Property or for other properties located within the Phase One Study Area.

4.2.11 Chemical Use Information

A search of the *'Dry Cleaning Facilities'* (CDRY) (January 2004 – December 2022), *'Chemical Manufacturers and Distributors'* (CHEM) (1999 – January 31, 2020), and *'Chemical Register'* (CHM) (1999 – April 30, 2024) databases did not identify any listings for the Phase One Property, or for other properties located within the Phase One Study Area.

4.2.12 Aggregate and Mining Information

A search of the *'Abandoned Aggregate Inventory'* (AAGR) (September 2002), *'Aggregate Inventory'* (AGR) (Up to November 2023), *'Abandoned Mine Information System'* (AMIS) (1800 – April 2024), *'Canadian Mine Locations'* (MINE) (1998 – 2009), and the *'Mineral Occurrences'* (MNR) (1846 – February 2024) databases did not identify any listings for the Phase One Property, or for other properties located within the Phase One Study Area.

4.2.13 Other Database Listings

A search of the *'Automobile Wrecking & Supplies'* (AUWR) (1999 – April 30, 2024)*, 'ERIS Historical Searches'* (EHS) (1999 – March 31, 2024)*, 'Canadian Pulp and Paper'* (PAP) (1999, 2002, 2004, 2005, 2009 – 2014) and *'Scott's Manufacturing Directory'* (SCT) (1992 – March 2011) databases identified three EHS listings for the Phase One Property:

- The Phase One Property is listed for three previous ERIS reports completed in 2009 and 2021.

The above listings are not necessarily indicative of chemical/waste storage activities or releases but may be indicative of previous historical or environmental investigation efforts. Therefore, these listings are not considered to represent an on-Site PCA.

In addition, 11 EHS listings and two SCT listings were identified for other properties located within the Phase One Study Area:

- A total of 11 EHS listings were identified for other properties located within the Phase One Study Area, which are potentially indicative of previous historical or environmental investigation efforts; and

- Two SCT listings for JDS Uniphase Inc. at 61 Bill Leathem Drive (located adjacent to the southern boundary of the Site), which uses the North American Industry Classification System (NAICS) codes of 334512 – *'Measuring, Medical and Controlling Devices Manufacturing'* and 333310 – *'Commercial and Service Industry Machinery Manufacturing'* to describe its operations. The facility is listed as established in 1981.

The above listings do not appear to be indicative of chemical/waste storage activities and/or releases, and therefore are not considered to represent off-Site PCAs.

4.3 Regulatory Records

4.3.1 Ontario Ministry of the Environment, Conservation and Parks (MECP)

Geosyntec submitted a request to the MECP under the Freedom of Information and Protection of Privacy Act (FOI) for information pertaining to the Phase One Property addresses (99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive) on 07 October 2024. A response from the MECP dated 9 October 2024 indicate that there are no records on file for the Phase One Property. A copy of the FOI correspondence is provided in **Appendix E**.

4.3.2 Technical Standards and Safety Authority (TSSA)

A request for records related to registered ASTs or USTs storing petroleum-related products, outstanding instructions, incident reports, fuel/oil spills, and/or contamination was submitted to the TSSA on 02 October 2024. A response from the TSSA was received on 02 October 2024 indicating that a search of their records did not produce any Fuels Safety documents pertaining to the Phase One Property. A copy of the TSSA correspondence is included in **Appendix E**.

4.3.3 Historic Land Use Inventory (HLUI)

In 2021, Geosyntec submitted a HLUI request to the City of Ottawa. On 22 July 2021, Geosyntec submitted to Medusa LP a review of the City of Ottawa Response Letter, HLUI Summary Report, and HLUI Map, indicating that no further action was required. A copy of this correspondence is included in **Appendix E**.

An updated HLUI request was submitted to the City of Ottawa on 22 October 2024. Responses from the City of Ottawa were outstanding at the time of writing of this report. A copy of the updated HLUI request is provided in **Appendix E**.

4.4 Physical Setting Sources

4.4.1 Aerial Photographs

As part of this Phase One ESA, Geosyntec reviewed aerial photographs dated 1945 and 1958, which were provided by ERIS and are available for review on the City of Ottawa Archives website. Geosyntec also reviewed satellite imagery dated 1976, 1991, 1999, 2007, 2019, 2021 and 2022 obtained from the geoOttawa interactive online mapping system and satellite imagery dated 2024 obtained from Google Earth. Geosyntec's observations with respect to the Phase One Property are noted as follows:

Year of Aerial Photograph	Phase One Property
1945	The Phase One Property appears to have been cleared of vegetation and utilized for agricultural purposes (inferred cropland). There does not appear to be any buildings or structures present on the Phase One Property.
1958	An unpaved road (oriented west to east) appears to intersect the central portion of the Phase One Property.
1976	The Phase One Property appears to resemble the configuration shown in the 1958 aerial photograph, with no significant changes evident.
1991	The Phase One Property appears to resemble the configuration shown in the 1958 aerial photograph and 1976 satellite imagery, with no significant changes evident.
1999	Inferred fill mounds appear to be present on the southern and northeastern portions of the Phase One Property.

Year of Aerial Photograph	Phase One Property
2007	Additional inferred fill mounds appear to be present on the southern portion of the Phase One Property.
2019	The northeastern portion of the Phase One Property appears to be utilized by the northeastern adjoining property (now 2852 Merivale Road) as a storage area. Stockpiles are observed on this portion of the Phase One Property, which are inferred to be associated with operations at 2852 Merivale Road.
2021	The Phase One Property appears to resemble the configuration shown in the 2019 satellite imagery.
2022	The Phase One Property appears to resemble the configuration shown in the 2021 satellite imagery.
2024	The Phase One Property appears to resemble the configuration shown in the 2022 satellite imagery.

The following table summarizes observations with respect to the surrounding properties located within the Phase One Study Area:

Year of Aerial Photograph	Phase One Study Area
1945	North: Inferred agricultural cropland and/or pastures. South: Inferred agricultural cropland and/or pastures. West: Inferred agricultural cropland and/or pastures, followed by a tributary of the Rideau River. East: Inferred agricultural cropland and/or pastures followed by Merivale Road, with inferred residential buildings situated along Merivale Road. Prince of Wales Drive (Highway 73) is shown further east of the Phase One Property.
1958	North: An inferred residential dwelling is shown on a property located to the northeast of the Phase One Property (now 2852 Merivale Road). South: No significant changes are noted to the south of the Phase One Property.
1958	West: No significant changes are noted to the west of the Phase One Property. East: Prince of Wales Drive (Highway 73) appears to have been expanded into a multilane highway.
1976	North: No significant changes are noted to the north of the Phase One Property. South: No significant changes are noted to the south of the Phase One Property. West: No significant changes are noted to the west of the Phase One Property. East: No significant changes are noted to the east of the Phase One Property.
1991	North: No significant changes are noted to the north of the Phase One Property. South: No significant changes are noted to the south of the Phase One Property. West: No significant changes are noted to the west of the Phase One Property. East: A small building and access road appear to be located along Merivale Road.
1999	North: No significant changes are noted to the north of the Phase One Property. South: Bill Leathem Drive and Leikin Drive appear to be under construction. Land disturbance is evident on the lands located to the south of the Phase One Property. An inferred commercial building is shown on the property located to the south of the Phase One Property across Bill Leathem Drive (now 90 Bill Leathem Drive), to the east of which

Year of Aerial Photograph	Phase One Study Area	
		is an inferred stormwater management pond. A large inferred commercial complex and parking area are shown on the property to the southeast of the Site (now 73 Leikin Drive).
	West:	No significant changes are noted to the west of the Phase One Property.
	East:	Leikin Drive appears to be under construction.
2007	North:	No significant changes are noted to the north of the Phase One Property.
	South:	An inferred multistory commercial building appears to be under construction on the property adjacent to the southeast of the Phase One Property (now 61 Bill Leathem Drive). Additional inferred soil stockpiles are shown on the lands located to the south of the Phase One Property.
	West:	No significant changes are noted to the west of the Phase One Property.
	East:	No significant changes are noted to the east of the Phase One Property.
2019	North:	No significant changes are noted to the north of the Phase One Property.
	South:	No significant changes are noted to the south of the Phase One Property.
	West:	No significant changes are noted to the west of the Phase One Property.
	East:	No significant changes are noted to the east of the Phase One Property.
2021	North:	No significant changes are noted to the north of the Phase One Property.
	South:	No significant changes are noted to the south of the Phase One Property.
	West:	No significant changes are noted to the west of the Phase One Property.
	East:	No significant changes are noted to the east of the Phase One Property.
2022	North:	No significant changes are noted to the north of the Phase One Property.
	South:	A dirt road extends into the central portion of the property located adjacent to the southern boundary of the Phase One Property (88 Leikin Drive). An exterior storage yard appears to have been constructed adjacent to the southeast of the Phase One Property (50 Leikin Drive).
	West:	No significant changes are noted to the west of the Phase One Property.
	East:	No significant changes are noted to the east of the Phase One Property.
2024	North:	No significant changes are noted to the north of the Phase One Property.
	South:	88 Leikin Drive has been cleared and graded and is under construction.
	West:	No significant changes are noted to the west of the Phase One Property.
	East:	No significant changes are noted to the east of the Phase One Property.

4.4.2 Topography, Hydrology, Geology

The Phase One Property is located in Universal Transverse Mercator (UTM) Zone 18, with approximate coordinates at the centre of the Site of Easting 444250 m and Northing 5016400 m. ERIS generated maps detailing the topography, physiography, and geology of the Phase One Study Area, with a search radius of 2,000 m from the Phase One Property boundary (provided in **Appendix F**). Details of these sources and the information provided therein are outlined in the table below.

Topic	Observations	Source
Topography	The Phase One Property is situated at an elevation of approximately 90 m above mean sea level (amsl). Regional topography slopes gently downward to the east towards the Rideau River, which flows in a northerly direction into the Ottawa River.	• ERIS: *'Ontario Base Map (OBM)'*, Ontario Ministry of Natural Resources, 2010. • Google Earth™.
Physiography	The overburden characterizing the Phase One Study Area is derived from the Ottawa Valley clay plains.	• ERIS: 'Physiography of Southern Ontario', Chapman, L.J. and Putnam, D.F., 2007. The Physiography of Southern Ontario; OGS, Miscellaneous Release—Data 22.
Surficial Geology	The Phase One Study area is located in a region comprised of offshore marine deposits (clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands). These native clay soils are associated with post-glacial Champlain Sea marine deposits. A Champlain Sea clay deposit typically includes a surficial crust (consisting of stiffer and drier clay) underlain by a weaker and more compressible clay layer.	• ERIS: *'The Surficial Geology of Southern Ontario'*, OGS, 2010. Surficial geology of southern Ontario, OGS, Miscellaneous Release—Data 128—Revised. • Geofirma Engineering Ltd., Dillon Consulting Limited, and the City of Ottawa. Elevated Background Metals Concentrations in Champlain Sea Clay – Ottawa Region. 2017.
Bedrock Geology	Bedrock in the Phase One Study Area is comprised of dolostone and sandstone of the Beekmantown Group.	• ERIS: *'Bedrock Geology of Ontario'*, OGS, 2011. 1:250,000 scale bedrock geology of Ontario; OGS, Miscellaneous Release—Data 126—Revision 1.
Hydrology	According to the 2021 Phase Two ESA by Geosyntec groundwater flow is to the southwest and is present at a depth of 1.08 to 1.23 m bgs based on elevation data collected from groundwater monitoring wells located throughout the Phase One Property.	• Geosyntec: *'Phase Two Environmental Site Assessment'*, dated July 23, 2021.

4.4.3 Fill Materials

According to information obtained from Geosyntec's interview (Section 5), a '*small soil stockpile*' was historically stored on the southern portion of the Site by the City of Ottawa during the construction of the nearby Royal Canadian Mounted Police facility at 73 Leikin Drive, located approximately 120 m to the south of the Site. The soil stockpile was reportedly removed from the Site following the cessation of construction activities. During the time of the Site reconnaissance (Section 6), Geosyntec observed a soil berm on 2 Leikin Drive, in the eastern-central portion of the Phase One ESA Property. Geosyntec also observed several small fill piles on the southern portion of the Phase One Property, at 99 Bill Leathem Drive, which appeared to contain soil material.

Further, Geosyntec observed a recently graded area in the northeastern corner of the Site which according to the 2021 Phase One ESA, previously contained fill stockpiles that were inferred to be related to operations on the northeastern adjoining property (2852 Merivale Road), which is occupied by Canada Paving for the storage of heavy equipment (i.e., graders and backhoes) and numerous fill stockpiles associated with paving operations. According to information obtained from Geosyntec's interview (Section 5), the encroachment of Canada Paving's operations onto the Phase One Property was rectified in August 2024. The previous fill material (consisting primarily of granular B sub-base for construction of roadways and driveways) was largely removed with some residual material spread out across the area and graded. No documentation indicating the quality of the remaining fill material was available.

The quality of fill material utilized to grade the former Canada Paving encroachment area in the northeast portion of the Phase One Property is unknown and is therefore considered to represent an on-Site PCA; however, the soil berm in the eastern-central portion and the fill pile on the southern portion of the Phase One Property were investigated for COPCs during the 2021 Phase Two ESA investigation. COPCs were not identified in Site soils above the SCS. As such, these areas of potential fill material do not represent on-Site PCAs.

4.4.4 Water Bodies, Areas of Natural Significance, and Groundwater Information

The Phase One Study Area does not include a water body; however, in the past there may have been a naturally occurring drainage ditch/swale on the southeast portion of the Site that is no longer evident. It is noted that a stormwater management pond is located approximately 115 m to the south of the Phase One Property; however, as the pond was constructed for the purpose of controlling surface water drainage, it is not considered to meet the definition of a *'water body'* as per O. Reg. 153/04, as amended. The nearest water body is the Rideau River, located approximately 500 m to the east of the Phase One Property. The Rideau River flows in a northerly direction into the Ottawa River, located approximately 9.7 kilometres to the northwest of the Phase One Property.

The Phase One Property is not located within an area of natural and scientific interest (ANSI), nor does it include or is it adjacent to or is within 30 m of an ANSI, as defined in Section 41(1)(a) of O. Reg. 153/04, as amended. A map illustrating the lack of ANSI within the Phase One Study Area, nor within 2,000 m of the Phase One Property is included with the ERIS report in **Appendix F**.

The Phase One Property and Phase One Study Area have recently become serviced by the City of Ottawa municipal drinking water system, as part of the development of the Nepean Business Park. However, it is noted that there may still be water wells located within the Phase One Study Area that are utilized for human consumption and/or agricultural usage. Further details are presented in Section 4.4.5.

4.4.5 Well Records

The *'Water Wells Information System'* (WWIS) database (April 30, 2021) is a provincial database that describes the locations and characteristics of water wells found within Ontario, in accordance with O. Reg. 903. Based on Geosyntec's review of the ERIS database report, one well record was identified in the WWIS database for the Phase One Property. A total of 15 records were identified for other properties located within the Phase One Study Area. It should be noted that the well location markers presented in the ERIS report are based on coordinates of varying accuracy. A summary of the information gleaned from the well records review is provided in the following table:

Well ID	Location	Primary Water Use	Final Well Status	Installation Year	Well Depth (m bgs)	Static Water Level (m bgs)
PHASE ONE PROPERTY						
7392025	444630 E, 5016758 N	Not Provided	Not Provided	2021	Not Provided	Not Provided
PHASE ONE STUDY AREA						
1534521	443781 E, 5016105 N	Livestock	Abandoned	2004	Not Provided	Not Provided
1504705	444651 E, 5016812 N	Domestic	Water Supply	1956	17.3	5.7
1510965	444731 E, 5016682 N	Domestic	Water Supply	1970	26.2	6.0
1504702	444271 E, 5016127 N	Livestock	Water Supply	1958	18.9	5.4
1504703	444776 E, 5016462 N	Domestic	Water Supply	1955	18.9	9.1
7181888	444802 E, 5016626 N	Monitoring and Test Hole	Test Hole	2012	2.1	Not Provided
1534771	444790 E, 5016519 N	Not Provided	Abandoned	2004	23.8	Not Provided
1513688	444796 E, 5016567 N	Livestock	Water Supply	1974	25	8.2
1515468	444830 E, 5016421 N	Domestic	Water Supply	1976	18.6	7.6
7352549	444208 E, 5015892 N	Not Provided	Not Provided	2019	Not Provided	Not Provided
1504097	444970 E, 5016772 N	Domestic	Water Supply	1956	16.5	5.5
1504087	444885 E, 5016292 N	Domestic	Water Supply	1954	14	9.1
1533419	444939 E, 5016884 N	Domestic	Water Supply	2002	20.4	12.8
1527674	444942 E, 5016884 N	Not Used	Abandoned	1994	Not Provided	Not Provided

The well records indicate that the shallow groundwater surface within the Phase One Study Area is located at a depth of approximately 5.4 to 12.8 m bgs. Based on the above information, there appears to be nine water supply wells located within the Phase One Study Area.

4.5 Site Operating Records

Site operating records must be reviewed where the Phase One Property is an *'enhanced investigation property'*, as defined under O. Reg. 153/04, Section 32.1 (1) and Schedule D, subsection 13 (3) if: (i) the property was used at any time, in whole or in part, for industrial use; or, (ii) the property was used at any time, in whole or in part, for any of the following commercial uses:

a) As a garage;

b) As a bulk liquid dispensing facility, including a gasoline outlet; and

c) For the operation of dry-cleaning equipment.

Based on the information obtained from Geosyntec's records review, there do not appear to be historical records that indicate that the Phase One Property was used for any of the above purposes; as such, the Phase One Property is not considered to be an enhanced investigation property, as defined under O. Reg. 153/04, as amended. Therefore, no Site operating records were reviewed as part of this Phase One ESA.

5. INTERVIEWS

Brooke Wallace of Geosyntec conducted an interview with Russell Beach, Director of Real Estate Development of Broccolini. Russell Beach was identified as the person most knowledgeable with respect to the current and historic operations at the Phase One Property and was selected to be interviewed as part of this Phase One ESA. The interview was conducted on 08 October 2024.

Russell Beach indicated the following pertinent information with respect to the Phase One Property, beyond that which was already known through records review:

- The Site was purchased by Cecil Rivington in 1953;
- Portions of the Site have been utilized for agricultural purposes, specifically for soy and corn farming, since at least the mid-1930s. Presently, only the northern portion of the Site is farmed, with agricultural operations on the southern portion having ceased in approximately 2000. No agricultural activities occurred at the Site in 2022 but resumed in 2023 and are presently occurring. Pesticides have not been applied to the Site since the 2021 Phase Two ESA soil and groundwater investigation;
- A *'small soil stockpile'* was historically stored on the southern portion of the Site by the City of Ottawa during the construction of the nearby Royal Canadian Mounted Police facility at 73 Leikin Drive, located approximately 120 m to the south of the Site. The soil stockpile was reportedly removed from the Site following the cessation of construction activities;
- Agricultural drainage tiles are located across the farmed (north) portion of the Site, and a sewer easement from the City of Ottawa, which overlays the location of a municipal sewer line, intersects the central portion of the Site;
- One former groundwater monitoring well, owned and maintained by the City of Ottawa, was formerly located on the Site and was decommissioned approximately 20 years ago. Additional monitoring wells were installed in 2021 and 2024 as part of the 2021 Phase Two ESA and 2024 Geotechnical Investigation. No monitoring wells installed as part of these investigations have been decommissioned; and
- The northeastern corner of the Site previously contained encroachment from the northeastern adjoining property (2852 Merivale Road) which is occupied by Canada Paving for the storage of heavy equipment (i.e., graders and backhoes) and numerous fill stockpiles associated with paving operations. Canada Paving was utilizing the northeastern corner of the Site to store equipment and a large stockpile of granular B sub-base for construction of roadways and driveways. The encroachment of Canada Paving's operations

onto the Site was rectified in August 2024 which consisted of the removal of equipment and the fill material stockpile with any residual material spread out across the area and graded. No documentation indicating the quality of the remaining fill material was available.

6. SITE RECONNAISSANCE

6.1 General Requirements

Scott Ambridge of Geosyntec completed the reconnaissance of the Phase One Property on 03 October 2024. During the visit, the temperature was approximately 18°C and the weather conditions were sunny, and the ground surface was clear. The Site reconnaissance was conducted between approximately 11:00 am and 1:00 pm. Mr. Ambridge is a registered Professional Engineer (P. Eng.) with the Professional Engineers of Ontario and has over 20 years of experience in conducting Phase One ESAs for residential, commercial, and industrial properties.

As part of the Site reconnaissance, Geosyntec looked for evidence of the presence of hazardous substances used, stored, or discarded, and inspected the Phase One Property for areas of disturbed or discolored soil, suspect equipment and/or building materials which may contain hazardous substances, areas of distressed vegetation, wastewater discharge areas, storage tanks/septic systems, waste management/disposal areas, lagoons, pits, sumps, surface water management areas, and stained surfaces. In addition, a cursory review of surrounding properties within the Phase One Study Area was conducted from publicly accessible locations. Select photographs taken during the reconnaissance are included in **Appendix G**.

6.2 Specific Observations at the Phase One Property

6.2.1 Structures

At the time of the Site reconnaissance, the Phase One Property was comprised of agricultural cropland and open field with no buildings or structures present.

Below-Ground Structures

During the Site reconnaissance, Geosyntec did not observe any below ground structures on the Phase One Property, apart from manhole covers situated along the sewer easement from the City of Ottawa, which intersects the central portion of the Site. Though not observed during the Site reconnaissance, agricultural drainage tiles are reportedly located across the farmed (north) portion of the Site. No catch basins or other below ground structures are present on the Phase One Property based on the records review, interview, and observations made during the Site reconnaissance.

Details of Tanks

No evidence of current ASTs or USTs were identified at the Phase One Property during the Site reconnaissance.

Potable and Non-Potable Water Sources

The Phase One Property is reportedly not currently serviced by any potable or non-potable water sources. It is expected that the surrounding properties located within the Phase One Study Area are serviced by the City of Ottawa municipal water supply and sanitary and storm sewer systems.

6.2.2 Underground Utilities

At the time of the Site reconnaissance, the Phase One Property was comprised of agricultural cropland and open field and was not provided with utility service. No active buried underground utilities are expected to be located on the Phase One Property, and none were reported to be present during Geosyntec's interviewing effort. Reportedly, no utility plans are available for the Phase One Property.

6.2.3 Interior of Structures

Exit and Entry Points

Vehicle and pedestrian access to the Phase One Property is provided from Longfields Drive to the west, Bill Leathem Drive to the south, Leikin Drive to the southeast, and from Merivale Road to the northeast. There are presently no buildings or structures on the Phase One Property. Therefore, no interior exit and entry points were observed during the Site reconnaissance.

Existing and Former Heating Systems

The Phase One Property is not currently equipped with any heating systems. No details or evidence of former heating systems were observed at the Phase One Property during the Site reconnaissance.

Cooling Systems

The Phase One Property is not currently equipped with any cooling systems. No details or evidence of former cooling systems were observed at the Phase One Property during the Site reconnaissance.

Drains, Pits, and Sumps

No drains, pits or sumps were observed at the Phase One Property during the Site reconnaissance.

Unidentified Substances (Interior)

There are presently no buildings or structures located on the Phase One Property. Therefore, no interior observations were made during the Site reconnaissance.

Staining and Corrosion on Floor Surfaces

There are presently no buildings or structures located on the Phase One Property. Therefore, no interior observations were made during the Site reconnaissance.

6.2.4 Miscellaneous

Current and Former Wells

Based on a review of well records contained in the WWIS database (Section 4.4.5), one well was located on the Phase One Property. Geosyntec identified three monitoring wells at the Phase One Property during the Site reconnaissance. Based on information obtained during Geosyntec's interview (Section 5), these monitoring wells were associated with the 2024 Geotechnical Investigation.

Sewage Works

No evidence of current or former sewage works was observed during the Site reconnaissance. Information pertaining to former sewage works on the Phase One Property was not available for Geosyntec's review.

Based on information obtained during Geosyntec's interview (Section 5), a sewer easement from the City of Ottawa, which overlays the location of a municipal sewer line, intersects the central portion of the Site.

Ground Surface Cover

The Phase One Property was observed to comprise agricultural cropland and open field at the time of the Site reconnaissance. Therefore, the ground surface at the Phase One Property was observed to consist of grass, shrubs, and other vegetation.

Current or Former Railway Lines

No evidence of current or former railway lines or spurs were observed during the Site reconnaissance.

6.2.5 Exterior Observations

Areas of Stained Soil, Vegetation or Pavement

No areas of stained soil, vegetation or pavement were observed during the Site reconnaissance.

Stressed Vegetation

No stressed vegetation was observed during the Site reconnaissance.

Fill and Debris

At the time of the Site reconnaissance, the Phase One Property was observed to comprise agricultural cropland and open field with no buildings or structures present. Geosyntec observed a soil berm on 2 Leikin Drive, in the eastern-central portion of the Phase One ESA Property. Geosyntec also observed several small fill piles on the southern portion of the Phase One Property, at 99 Bill Leathem Drive, which appeared to contain soil material. Further, Geosyntec observed a recently graded area in the northeastern corner of the Site which according to the 2021 Phase One ESA, previously contained fill stockpiles that were inferred to be related to operations on the northeastern adjoining property (2852 Merivale Road), which is occupied by Canada Paving for the storage of heavy equipment (i.e., graders and backhoes) and numerous fill stockpiles associated with paving operations. According to information obtained from Geosyntec's interview (Section 5), a '*small soil stockpile*' was historically stored on the southern portion of the Site by the City of Ottawa during the construction of the nearby Royal Canadian Mounted Police facility at 73 Leikin Drive, located approximately 120 m to the south of the Site. The soil stockpile was reportedly removed from the Site following the cessation of construction activities. Further, the encroachment of Canada Paving's operations in the northeastern portion of Phase One Property was rectified in August 2024. The previous fill material (consisting primarily of granular B sub-base for construction of roadways and driveways) was largely removed with some residual material spread out across the area and graded. No documentation indicating the quality of the remaining fill material was available.

Potentially Contaminating Activities

The following PCAs were observed during the Site reconnaissance:

- At the time of the Site reconnaissance, the farmed (north) portion of the Site was utilized for agricultural purposes, specifically for soy and corn farming. Agricultural operations may include the current or former application of pesticides; however, given that OC pesticides were not identified above the Table 2 SCS in soil or groundwater during the 2021 Phase Two ESA investigation, historical pesticide use is not considered to represent a PCA at the Phase One Property. Further, based on Geosyntec's interview, pesticides have not been applied to the Phase One Property since the 2021 Phase Two ESA was conducted;

- At the time of the Site reconnaissance, a soil berm was observed on the eastern-central portion of the Phase One ESA Property and several small fill piles were observed on the southern portion of the Phase One Property. Given that soil samples were collected and

analyzed for COPCs in the vicinity of observed potential fill material in the southern portion and east-central portion during the 2021 Phase Two ESA investigation and concentrations were less than the respective Table 2 SCS, the presence of historical fill material is not considered to represent a PCA at the Phase One Property; and

- At the time of the Site reconnaissance, a recently graded area in the northeastern corner of the Site was observed, which according to the 2021 Phase One ESA, previously contained fill stockpiles that were inferred to be related to operations on the northeastern adjoining property (2852 Merivale Road). According to Geosyntec's interview, the encroachment of Canada Paving's operations in the northeastern portion of Phase One Property was rectified in August 2024. The previous fill material (consisting primarily of granular B sub-base for construction of roadways and driveways) was largely removed with some residual material spread out across the area and graded. No documentation indicating the quality of the remaining fill material was available. The quality of fill material utilized to grade the former Canada Paving encroachment area in the northeast portion of the Phase One Property is unknown and is therefore considered to represent an on-Site PCA.

Water Bodies

No on-Site water bodies were observed at the time of the Site reconnaissance.

Areas of Natural Significance

As discussed in Section 4.4.4, a review of an ANSI map prepared by ERIS for the area within 2,000 m of the Phase One Property did not identify any ANSI within the Phase One Study Area. Furthermore, no land that would be considered as an ANSI was observed on the Phase One Property or within the Phase One Study Area during the Site reconnaissance. The ANSI map is included in **Appendix F**.

Unidentified Substances (Exterior)

No unidentified substances were observed on the exterior of the Phase One Property during the Site reconnaissance.

6.2.6 Enhanced Investigation Property

A property is considered an *'enhanced investigation property'* as defined under O. Reg. 153/04, Section 32.1 (1) and Schedule D, subsection 13 (3) if: (i) the property was used at any time, in whole or in part, for industrial use; or, (ii) the property was used at any time, in whole or in part, for any of the following commercial uses:

a) As a garage;

b) As a bulk liquid dispensing facility, including a gasoline outlet; and

c) For the operation of dry-cleaning equipment.

Based on the information obtained from Geosyntec's records review, there do not appear to be historical records that indicate that the Phase One Property was used for any of the above purposes; as such, the Phase One Property is not considered to be an enhanced investigation property, as defined under O. Reg. 153/04, as amended.

6.3 Phase One Study Area Observations

The Phase One Property is located in an area that is developed with a mix of agricultural, commercial, industrial, and residential properties. Based on Geosyntec's visual observations from publicly accessible areas, a general assessment of the current uses of the adjacent properties and notable land uses within the Phase One Study Area is summarized in the table below.

Direction	Geosyntec's Observations	Comments
North	The Site is bounded to the north by agricultural properties, as well as a small lot to the northeast, which appears to be currently utilized by Canada Paving as a storage yard (2852 Merivale Road).	At the time of the Site reconnaissance, Geosyntec observed numerous stockpiles on the northeastern adjoining property. In addition, though not observed during the Site reconnaissance, current agricultural operations may include the application of pesticides (see below).
East	The Phase One Property is bounded to the east by Paragon Avenue, Leikin Drive, and Merivale Drive, as well as a mix of agricultural properties and open field.	Though not observed during the Site reconnaissance, current agricultural operations may include the application of pesticides (see below).
South	The Phase One Property is bounded to the south by Longfields Drive and Bill Leathem Drive, Lumentum (61 Bill Leathem Drive), a property under construction (88 Leikin Drive), and an exterior storage yard (50 Leikin Drive). Canada Post (90 Bill Leathem Drive) is present further south beyond Bill Leathem Drive.	Though not observed during the Site reconnaissance, 61 Bill Leathem Drive and 90 Bill Leathem Drive are both listed in the ERIS report for waste generation activities.
West	The Phase One Property is bounded to the west by Bill Leathem Drive and a mix of agricultural properties and open field.	Though not observed during the Site reconnaissance, current agricultural operations may include the application of pesticides (see below).

Although agricultural activities were observed on properties adjacent to the north and west of the Site, given that OC pesticides were not identified above the Table 2 SCS in soil or groundwater during the 2021 Phase Two ESA investigation, historical pesticide use is not considered to represent an off-site PCA contributing to an on-site APEC at the Phase One Property.

6.4 Written Description of Investigation

A Site reconnaissance was conducted by Scott Ambridge of Geosyntec on 03 October 2024, which included the following:

- A walk-through of all portions of the Phase One Property. During the walk-through, an investigation was conducted to obtain and document information pursuant to all items presented in Schedule D, subsection 13 of O. Reg. 153/04. Geosyntec did not view heavily vegetated areas during the Site reconnaissance. The results of the Site investigation are presented in Section 6.2 of this report;

- A review of surrounding properties located within the Phase One Study Area from publicly accessible areas to locate and document off-Site PCAs, water bodies, and areas of natural significance;

- The Site reconnaissance was documented with a questionnaire and photographs. The following on-Site PCAs were observed during the Site reconnaissance, and are considered to result in APECs on the Phase One Property:

    - At the time of the Site reconnaissance, a recently graded area in the northeastern corner of the Site was observed, which according to the 2021 Phase One ESA, previously contained fill stockpiles that were inferred to be related to operations on the northeastern adjoining property (2852 Merivale Road). According to Geosyntec's interview, the encroachment of Canada Paving's operations in the northeastern portion of Phase One Property was rectified in August 2024. The previous fill material (consisting primarily of granular B sub-base for construction of roadways and driveways) was largely removed with some residual material spread out across the area and graded. No documentation indicating the quality of the remaining fill material was available. The quality of fill material utilized to grade the former Canada Paving encroachment area in the northeast portion of the Phase One Property is unknown and is therefore considered to represent an on-Site PCA.

- No on-Site water bodies were identified during the Site reconnaissance. No ANSIs were observed within the Phase One Study Area during the Site reconnaissance; and

- No off-Site PCAs were noted with respect to the surrounding properties observed within the Phase One Study Area during the Site reconnaissance, as described above in Section 6.3.

7. REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

The past property uses were determined for the Phase One Property from a chain of title (Section 4.1.4), city directories (Section 4.1.6), aerial photographs (Section 4.4.1), and other historical sources. A summary of current and past uses at the Phase One Property is presented in the following table:

Year	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Chain of Title, Aerial Photographs, Fire Insurance Plans, etc.
Prior to 1944	Various private individuals	Inferred to be utilized for agricultural or other purposes; however, this cannot be confirmed.	Agricultural or other use	The chain of title indicates that the Phase One Property was occupied by various private individuals prior to 1944.
1944 to 1953	Cecil Rivington	The Phase One Property was utilized for agricultural purposes.		The chain of title indicates that the Phase One Property was purchased by Cecil Rivington in 1944. The 1945 aerial photograph indicates that the Phase One Property was utilized for agricultural purposes (inferred cropland).
1953 to 2021	Zena Leikin, Zena Holdings Limited, Zena–Kinder Holdings Limited, and The Corporation of The City of Nepean	The Phase One Property was utilized for agricultural purposes until approximately 2000. Presently, only the northern portion of the Phase One Property is farmed, and the southern portion of the Phase One Property is open field.		The chain of title indicates that the Phase One Property was acquired by Zena-Kinder Holdings Limited (formerly Zena Leikin) in 1953. Based on information obtained from the interview, portions of the Phase One Property were utilized for agricultural purposes since at least the mid-1930s. Presently, only the northern portion of the Phase One Property is farmed, with agricultural operations on the southern portion having ceased in approximately 2000.
2021 to Present	Medusa General Partner Inc., Medusa Limited Partnership			The chain of title indicates that the Phase One Property was purchased by the present day Site owner (Medusa General Partner Inc.) in 2021. Presently, only the northern portion of the Phase One Property is farmed, with agricultural operations on the southern portion consisting of an open field.

7.2 Potentially Contaminating Activity

Based on the results of this Phase One ESA, the following PCAs were identified on the Phase One Property, all of which are considered to represent APECs on the Phase One Property:

PHASE ONE PROPERTY		
PCA Classification *(Table 2 of Schedule D, O. Reg. 153/04)*	**PCA Description**	**Location of PCA**
#30 – Importation of Fill Material of Unknown Quality	At the time of the Site reconnaissance, a recently graded area in the northeastern corner of the Site was observed, which according to the 2021 Phase One ESA, previously contained fill stockpiles that were inferred to be related to operations on the northeastern adjoining property (2852 Merivale Road). The encroachment of Canada Paving's operations in the northeastern portion of Phase One Property was rectified in August 2024. The previous fill material (consisting primarily of granular B sub-base for construction of roadways and driveways) was largely removed with some residual material spread out across the area and graded. No documentation indicating the quality of the remaining fill material was available.	Northeastern portion of the Site

The following off-Site PCAs were identified within the Phase One Study Area:

PHASE ONE STUDY AREA			
PCA Classification *(Table 2 of Schedule D, O. Reg. 153/04)*	**PCA Description**	**Location of PCA**	**Considered to Result in an APEC**
#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	The lands to the north, east, and west of the Phase One Property are currently utilized for agricultural purposes. Current agricultural operations may include the application of pesticides.	Lands to the immediate north, west, and east of the Site	The Phase One Property was investigated for OC pesticides during the 2021 Phase Two ESA investigation. OC pesticides were not identified above the applicable SCS. As such, this PCA is not considered to result in an APEC.
Non-Defined PCA – Waste Generation	The property is listed in the GEN database as a generator of subject wastes including inorganic laboratory chemicals, organic laboratory chemicals, acid wastes, heavy metals, alkaline wastes, other metals, detergents/soaps, organic acids, amines, waste compressed gases, other specified organics, aliphatic	61 Bill Leathem Drive (adjoining to the east of the Site)	No, due to inferred hydraulic transgradient location relative to the Site. In addition, registration as a generator of subject waste is a regulatory requirement pursuant to O. Reg. 347 and is not necessarily indicative of a release to soil or groundwater. Therefore, the

PHASE ONE STUDY AREA			
PCA Classification *(Table 2 of Schedule D, O. Reg. 153/04)*	**PCA Description**	**Location of PCA**	**Considered to Result in an APEC**
	solvents, and waste oils and lubricants from 2007 and as of January 2021.		QP is of the opinion that this PCA is not considered to result in an APEC.
Non-Defined PCA – Waste Generation	The property is listed in the GEN database as a generator of subject wastes including alkaline wastes, heavy metals, waste oils and lubricants, aliphatic solvents, organic laboratory chemicals, petroleum distillates, light fuels, oil skimmings and sludges, waste compressed gases, other specified inorganics, paint/pigment/coating residues, and PCBs from 1996 to 2022.	90 Bill Leathem Drive (adjoining to the southwest of the Site across Bill Leathem Drive)	No, due to inferred hydraulic transgradient location relative to the Site. In addition, registration as a generator of subject waste is a regulatory requirement pursuant to O. Reg. 347 and is not necessarily indicative of a release to soil or groundwater. Therefore, the QP is of the opinion that this PCA is not considered to result in an APEC.
Non-Defined PCA – Spills	The property is listed in the SPL database for a release of 20 L of hydraulic oil to land from a blown hose on 6 March 2020.		
#28 – Gasoline and Associated Products Storage in Fixed Tanks	The property is listed in the CFOT, FRST, and FST databases for an active double wall, liquid fuel UST with a capacity of 5,000 L.	73 Leikin Drive (located approximately 120 m south of the Site)	No, due to inferred hydraulic transgradient location relative to the Site.
#28 – Gasoline and Associated Products Storage in Fixed Tanks	The property is listed in the FST database for three single wall, liquid fuel USTs with capacities of 15,000 L and 22,700 L.	2931 Highway 16 (located approximately 190 m east of the Site)	No, due to inferred hydraulic transgradient location relative to the Site.

The locations of the PCAs identified in the Phase One Study Area are shown on **Figure 4**.

The following PCA from the above tables are considered to represent APECs on the Phase One Property:

PCA Classification *(Table 2 of Schedule D, O. Reg. 153/04)*	**Location of PCA**
#30 – Importation of Fill Material of Unknown Quality	On-Site (northeast corner of 2 Leikin Drive)

7.3 Areas of Potential Environmental Concern

A summary of APECs identified at the Phase One Property is presented in the following table:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
APEC #1– Potential presence of fill material of unknown quality on the northeastern corner of the Phase One Property.	Northeastern Portion of the Phase One Property	#30 – Importation of Fill Material of Unknown Quality	On-Site	PHCs, PAHs, VOCs, Metals (including As, Sb, Se, Cr [VI], Hg, methyl mercury), Na, B-HWS, Cl-, CN-, low or high pH, EC, and SAR	Soil

Notes:
VOCs – Volatile Organic Compounds
PHCs F1-F4 – Petroleum Hydrocarbons Fractions F1 to F4
PAHs – Polycyclic Aromatic Hydrocarbons
As, Sb, Se – Arsenic, Antimony, and Selenium
CN- - Cyanide
Cr (VI) – Hexavalent Chromium
B-HWS – Boron (Hot Water Soluble)
Hg – Mercury
Na – Sodium
Cl- – Chloride
EC – Electrical Conductivity
SAR – Sodium Adsorption Ratio

7.4 Phase One Conceptual Site Model

The Phase One CSM is depicted in **Figures 1** through **5** of **Appendix A**, which illustrate the following, where applicable:

- Existing buildings and structures;
- Water bodies located in whole or in part within the Phase One Study Area;
- Areas of natural significance located in whole or in part on the Phase One Study Area;
- Roads (including names) within the Phase One Study Area;
- Areas where any PCA has occurred, and locations of tanks in the Phase One Study Area;
- APECs;
- Drinking water wells at the Phase One Property; and
- Uses of properties adjacent to the Phase One Property.

7.4.1 Potentially Contaminating Activities

One on-Site PCA was identified during the Phase One ESA, which led to one APEC on the Phase One Property:

- **#30 – Importation of Fill Material of Unknown Quality:** At the time of the Site reconnaissance, a recently graded area in the northeastern corner of the Site was observed, which according to the 2021 Phase One ESA, previously contained fill stockpiles that were inferred to be related to operations on the northeastern adjoining property (2852 Merivale Road). The encroachment of Canada Paving's operations in the northeastern portion of Phase One Property was rectified in August 2024. The previous fill material (consisting primarily of granular B sub-base for construction of roadways and driveways) was largely removed with some residual material spread out across the area and graded. No documentation indicating the quality of the remaining fill material was available.

The PCA and APEC are shown on **Figure 4** and **Figure 5** of **Appendix A**, respectively.

7.4.2 Underground Utilities

At the time of the Site reconnaissance, the Phase One Property was comprised of agricultural cropland and open field and was not provided with utility service. During Geosyntec's 2021 Phase Two ESA, it was revealed that a City of Ottawa trunk sewer bisects the Phase One Property. No other active buried underground utilities are expected to be located on the Phase One Property, and none were reported to be present during Geosyntec's interviewing effort.

7.4.3 Geological and Hydrogeological Information

A review of the ERIS *'Ontario Base Map (OBM)'* map, as well as satellite imagery available for viewing on Google Earth™, indicates that the Phase One Property is situated at an elevation of approximately 90 m amsl. Regional topography slopes gently downward to the east towards the Rideau River.

According to the ERIS *'Physiography of Southern Ontario'* map, the physiography of the Phase One Study Area is derived from the Ottawa Valley clay plains. The ERIS *'Surficial Geology of Southern Ontario*' map indicates that the Phase One Study area is located in a region comprised of offshore marine deposits (clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands). These native clay soils are associated with post-glacial Champlain Sea marine deposits. A Champlain Sea clay deposit typically includes a surficial crust (consisting of stiffer and drier clay) underlain by a weaker and more compressible clay layer (City of Ottawa, 2017). According to the ERIS *'Bedrock Geology of Ontario'* map, the bedrock at the Phase One Property is comprised of dolostone and sandstone of the Beekmantown Group.

According to the 2021 Phase Two ESA by Geosyntec groundwater flow is to the southwest and present at a depth of 1.08 to 1.23 m bgs based on elevation data collected from groundwater monitoring wells located throughout the Phase One Property

Copies of the ERIS maps described above are provided in **Appendix F**.

7.4.4 Data Gaps and Uncertainty

The following data gaps are identified:

- The ERIS report indicates that poor or inadequate address information was available for a total of 78 *'unplottable sites'* located in the vicinity of the Phase One Property; therefore, these properties could not be readily mapped by ERIS. Because the location of these records with respect to the Phase One Property could not be discerned, Geosyntec is limited in its ability to express an opinion regarding the potential for environmental impact to the Phase One Property from these properties.

8. CONCLUSIONS

8.1 Requirement for a Phase Two Environmental Site Assessment

As discussed in Section 7.3, the Phase One ESA identified one APEC for the Phase One Property. Therefore, a Phase Two ESA is required to be completed in accordance with O. Reg. 153/04.

8.2 Qualifications of the Assessors

Paula Hutchison, P.Eng. (ON), QP_{ESA}

Ms. Hutchison is a Senior Principal with Geosyntec, a licensed Professional Engineer in the Province of Ontario, and a Qualified Person, Environmental Site Assessment (QP_{ESA}), as defined by O. Reg. 153/04. Since 2006, she has over worked full-time as an engineer on a variety of environmental projects throughout Canada and the United States. Ms. Hutchison's technical focus throughout her career has been related to projects involving environmental site investigations, remediation, and risk assessment. Included in her experience are the following types of work: property transaction environmental due diligence (e.g., Phase I and II ESAs; estimation of remediation costs; etc.); evaluation of compliance with environmental regulations; performance of remedial investigation/feasibility studies for contaminated properties; evaluation of the applicability of remedial measures for contaminated soil, groundwater and surface water systems; execution of risk assessments; and filing of Records of Site Conditions (RSCs). Ms. Hutchison has served as the primary author of 100's of environmental due diligence reports (Phase I and/or II ESAs) located in Ontario. Ms. Hutchison holds a Bachelor of Applied Science degree in Environmental Engineering with Chemical Specialization.

Scott Ambridge, P.Eng. (ON)

Scott is a Senior Environmental Professional in Geosyntec's Ottawa office with over 20 years' experience in the investigation, assessment, and remediation of contaminated sites in Canada, the United States, Australia, and New Zealand. Over the course of his career Scott has gained significant experience in Phase I and Phase II Environmental Site Assessments (ESAs) and environmental due diligence assessments, remediation options evaluations (ROEs) and remediation action plans (RAPs). Scott has been involved in the remedial planning, design, tendering, contraction and implementation in a number of industries including: municipal land clean ups, chemical manufacturing, electronics manufacturing, Defence and explosive sites, coal gasification and petroleum distribution and refining. Scott also specializes in risk based probabilistic cost and volume modelling using Monte Carlo analysis for remedial planning and costing. Scott has managed a number of record of site condition (RSC) Phase I and Phase II Environmental Assessments conducted under O. Reg 153/04 and is familiar with Ontario

environmental regulations. He holds a Bachelor of Environmental Engineering from the Carleton University and a Master of Applied Science in Engineering Physics from McMaster University.

Brooke Wallace

Ms. Wallace is a Professional Scientist in Geosyntec's Due Diligence and Brownfields group. She obtained her Bachelor of Science (Honours) from the University of Guelph in 2015, majoring in Environmental Science. Her areas of expertise include phased Environmental Site Assessments (ESAs), soil vapour and indoor air quality assessments, soil and ground water investigation, and remediation. Ms. Wallace has experience providing technical support and project management on client projects for transactional due diligence purposes, Ontario brownfields redevelopments (Records of Site Condition filings), and environmental litigation support. She has completed over one hundred assessments across Canada for a variety of commercial and industrial land uses.

Hadiqa Butt

Ms. Butt is a Staff Professional in Geosyntec's Due Diligence and Brownfields group. She obtained her Bachelor of Applied Science and Environmental Engineering from the University of Waterloo in 2024. She had participated in the cooperative education program at the University of Waterloo and completed five work terms. She has experience in environmental field work including soil sampling, groundwater sampling and drilling supervision. She also has experience in Phase I Environmental Site Assessments (ESAs) and supporting due diligence projects.

8.3 Signatures

Geosyntec prepared this Phase One Environmental Site Assessment for the property located at 99 Bill Leathem Drive, 2 Leikin Drive and 20 Leikin Drive, Ottawa, Ontario in accordance with the requirements stipulated in O. Reg. 153/04, as amended.

The conclusion of this Phase One ESA is based on the best judgement of the QPESA and the results of the records review of the title search, city directory search, ERIS report, aerial photographs, interviews with personnel familiar with the Phase One Property, and completion of the Phase One Property Site reconnaissance.

This Phase One ESA was prepared and written by Hadiqa Butt, Brooke Wallace, and Scott Ambridge, P.Eng., and reviewed by Paula Hutchison, P. Eng., and QPESA for this Phase One ESA.

Respectfully Submitted,

Paula Hutchison, P. Eng., QPESA
Senior Principal Engineer

9. REFERENCES

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Geosyntec Consultants International, Inc. Phase Two Environmental Site Assessment, 99 Bill Leathem Drive, 2 Leiken Drive, and 20 Leikin Drive, Ottawa, Ontario. July 23, 2021.Paterson Group. Geotechnical Investigation, Proposed Sortation Facility, 99 Bill Leathem Drive, 2 & 20 Leikin Drive and 11 Beckstead Road, Ottawa, Ontario. September 10, 2024.

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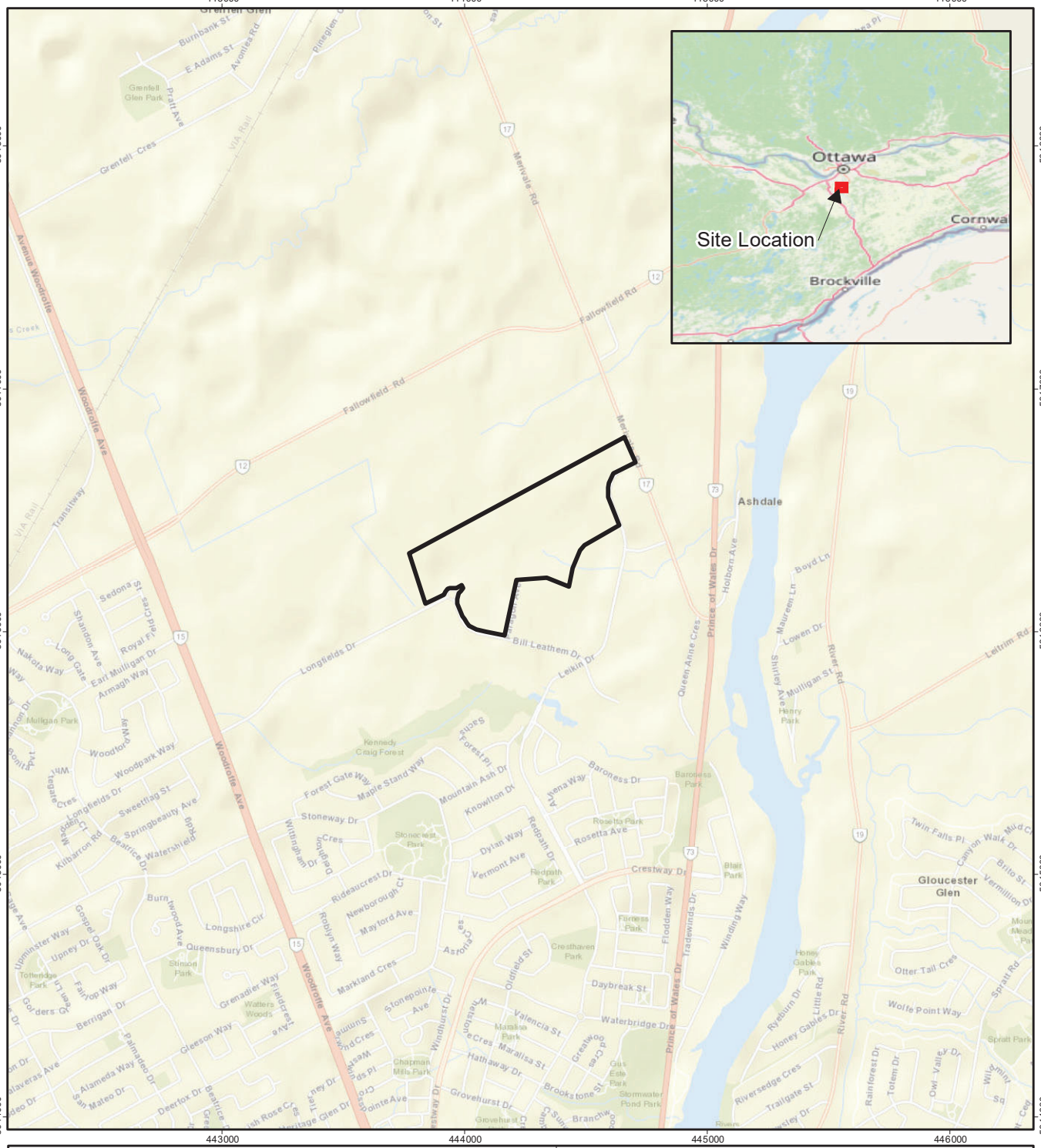
APPENDIX A

FIGURES



Legend:

Phase One Property Location

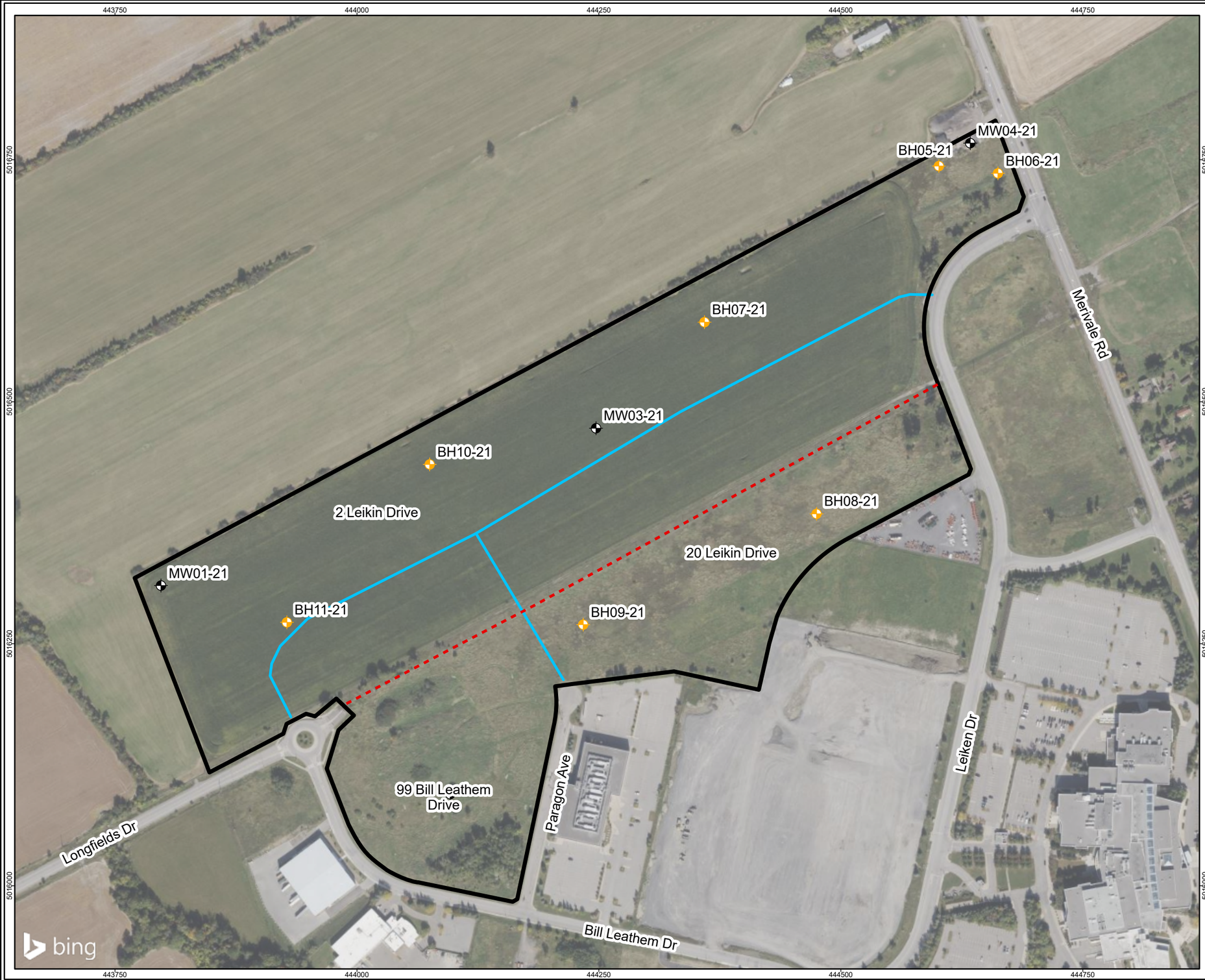
FIGURE 1

SITE LOCATION MAP

99 BILL LEATHEM DRIVE AND 2 AND 20 LEIKIN DRIVE, OTTAWA, ONTARIO

Notes:
1) Map Projection: NAD 1983 UTM Zone 18N
2) Data Source Credits
3) Service Layer Credits
4) Imagery Credits: © OpenStreetMap (and) contributors, CC-BY-SA
Sources: Esri, HERE, Garmin, USGS,

OFFICE LOCATION: SEATTLE		REVISION: 00	Geosyntec consultants
DATE PLOTTED: 13-May-2021	DATE REVISED: 13-May-2021	REVIEWED: MG	
APPROX. SCALE: 1:24,000	PAGE SIZE: 8.5 x 11 in	CHECKED: DH	TRUE NORTH
		DRAWN: MVI	0 200 400 600 m



Legend

- Monitoring Well Location (Geosyntec, 2021)
- Borehole Location (Geosyntec, 2021)
- Sewer Line
- Approximate Parcel Boundaries
- Phase One Property Boundary

Notes:
1) Map Projection: NAD 1983 UTM Zone 18N
2) Sanitary Sewer source: https://maps.ottawa.ca/geoottawa/, retrieved April 28, 2021
3) Imagery Bing Maps Aerial: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS

FIGURE 2

Site Layout Map

99 Bill Leathem Drive and
2 and 20 Leikin Drive

OFFICE LOCATION: GUELPH		REVISION: 00	Geosyntec consultants
DATE PLOTTED: 24-Oct-2024	DATE REVISED: 24-Oct-2024	REVIEWED: KJ/HB	
APPROX. SCALE: 1:4,000	PAGE SIZE: 11 x 17 in	CHECKED: BW	TRUE NORTH: 0 40 80 120 m
		DRAWN: JK	

P:\GIS\TR093\B Broccolini Ottawa\ArcPro\Broccolini_2024\Broccolini_2024.aprx

443250 443500 443750 444000 444250 444500 444750 445000 445250

5017000 5016750 5016500 5016250 5016000 5015750

Agriculture

2852 Merivale Rd

Light Industrial

Development Reserve

Agriculture

Merivale Rd

Prince of Wales Dr

Residential

50 Leikin Drive

2 Leikin Drive

20 Leikin Drive

2931 Merivale Rd

Light Industrial

88 Leikin Drive (under construction)

99 Bill Leathem Drive

Paragon Ave

61 Bill Leathem Drive

Leiken Dr

Rideau River

73 Leikin Drive

Longfields Dr

Bill Leathem Dr

Rural Country

90 Bill Leathem Drive

Light Industrial

Parks and Open Space

bing

Legend

- Phase One Property Boundary
- Phase One Study Area (250 m from Phase One Property Boundary)
- Approximate Parcel Boundaries
- Zoning Boundaries within Phase One Study Area
- ADDRESS Former Address (Location Approximate)

Notes:
1) Map Projection: NAD 1983 UTM Zone 18N
2) Zoning Boundaries within Study Area source: https://maps.ottawa.ca/geoottawa/, retrieved April 28, 2021
3) Imagery Bing Maps Aerial: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS

FIGURE 3

Phase One Study Area

99 Bill Leathem Drive and
2 and 20 Leikin Drive

OFFICE LOCATION: GUELPH		REVISION: 01	Geosyntec consultants
DATE PLOTTED: 24-Oct-2024	DATE REVISED: 24-Oct-2024	REVIEWED: MG	
APPROX. SCALE: 1:7,000	PAGE SIZE: 11 x 17 in	CHECKED: BW	TRUE NORTH
		DRAWN: JK	0 50 100 150 m

P:\GIS\TRO\936\B Broccolini Ottawa\eA\cPro\Broccolini_2024\Broccolini_2024.aprx

Legend

- 40 — PCA resulting in an APEC
- A — Off-Site PCA not resulting in an APEC
- Approximate Parcel Boundaries
- Phase One Study Area (250 m from Phase One Property Boundary)
- Phase One Property Boundary
- ADDRESS — Former Address (Location Approximate)

Potentially Contaminating Activites (PCAs) per Table 2, Schedule D of O. Reg. 153/04
#28 - Gasoline and Associated Products Storage in Fixed Tanks
#30 - Importation of Fill Material of Unknown Quantity
#40 - Pesticide (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications

Non-Defined PCAs:
A - Waste Generation
B - Spills

Notes:
1) Map Projection: NAD 1983 UTM Zone 18N
2) Imagery Bing Maps Aerial: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS

FIGURE 4

Potentially Contaminating Activities

99 Bill Leathem Drive and
2 and 20 Leikin Drive

OFFICE LOCATION: GUELPH		REVISION: 01	Geosyntec consultants
DATE PLOTTED: 24-Oct-2024	DATE REVISED: 24-Oct-2024	REVIEWED: KJ/HB	
APPROX. SCALE: 1:7,000	PAGE SIZE: 11 x 17 in	CHECKED: BW	TRUE NORTH
		DRAWN: JK	0 50 100 150 m

P:\GIS\TR093\B Broccolini Ottawa\ArcPro\Broccolini_2024\Broccolini_2024.aprx

443750 444000 444250 444500 444750

5016750 5016500 5016250 5016000

MW04-21
BH05-21
30
BH06-21
40
40
BH07-21
MW03-21
BH10-21
2 Leikin Drive
BH08-21
20 Leikin Drive
MW01-21
BH11-21
BH09-21
40
99 Bill Leathem Drive
Merivale Rd
Paragon Ave
Leiken Dr
Longfields Dr
Bill Leathem Dr
bing

Legend

- 40 — PCA resulting in an APEC
- Monitoring Well Location (Geosyntec, 2021)
- Borehole Location (Geosyntec, 2021)
- Approximate Parcel Boundaries
- Phase One Property Boundary
- Phase One Study Area (250 m from Phase One Property Boundary)
- APEC #1 - Importation of Fill of Unknown Quality (Encroachment)

Notes:
1) Map Projection: NAD 1983 UTM Zone 18N
2) Sanitary Sewer source: https://maps.ottawa.ca/geoottawa/, retrieved April 28, 2021
3) Imagery Bing Maps Aerial: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS

FIGURE 5

Areas Of Potential Environmental Concern

99 Bill Leathem Drive and
2 and 20 Leikin Drive

OFFICE LOCATION: GUELPH		REVISION: 00	Geosyntec consultants
DATE PLOTTED: 24-Oct-2024	DATE REVISED: 24-Oct-2024	REVIEWED: KJ/HB	
APPROX. SCALE: 1:4,000	PAGE SIZE: 11 x 17 in	CHECKED: BW	TRUE NORTH
		DRAWN: JK	0 40 80 120 m

P:\GIS\TR09368 Broccolini Ottawa\ArcPro\Broccolini_2024\Broccolini_2024.aprx

APPENDIX B

PLAN OF SURVEY

1 MONUMENTS HAVE BEEN PLACED AT ALL MAJOR CORNERS OF THE BOUNDARY OF THE SURVEYED PROPERTY UNLESS ALREADY MARKED OR REFERENCED BY EXISTING MONUMENTS OR WITNESSES MONUMENTS IN CLOSE PROXIMITY OF THE CORNER.

2 ALTA/ACSM LAND TITLE SURVEY OF

South Merivale Business Park
OTTAWA, ONTARIO

3 FLOOD INFORMATION

THE PROPERTY IS NOT LOCATED IN A 100-YEAR FLOOD PLAIN OR IN AN AREA SUBJECT TO A REGULATION PURSUANT TO THE CONSERVATIONS AUTHORITIES ACT (ONTARIO) DESIGNATING IT AS AN AREA SUSCEPTIBLE TO FLOODING OR WHERE FILLING IN OF LAND IS PROHIBITED OR WHERE DIVERTING OR ALTERING A STREAM OR WATERCOURSE IS PROHIBITED.

4 LAND AREA

PARCEL 1 = 30.58248 HECTARES (75.57 ACRES)

6 ZONING INFORMATION
LIGHT INDUSTRIAL SUBZONE 9–1L9

7 BUILDING INFORMATION
NO BUILDINGS.

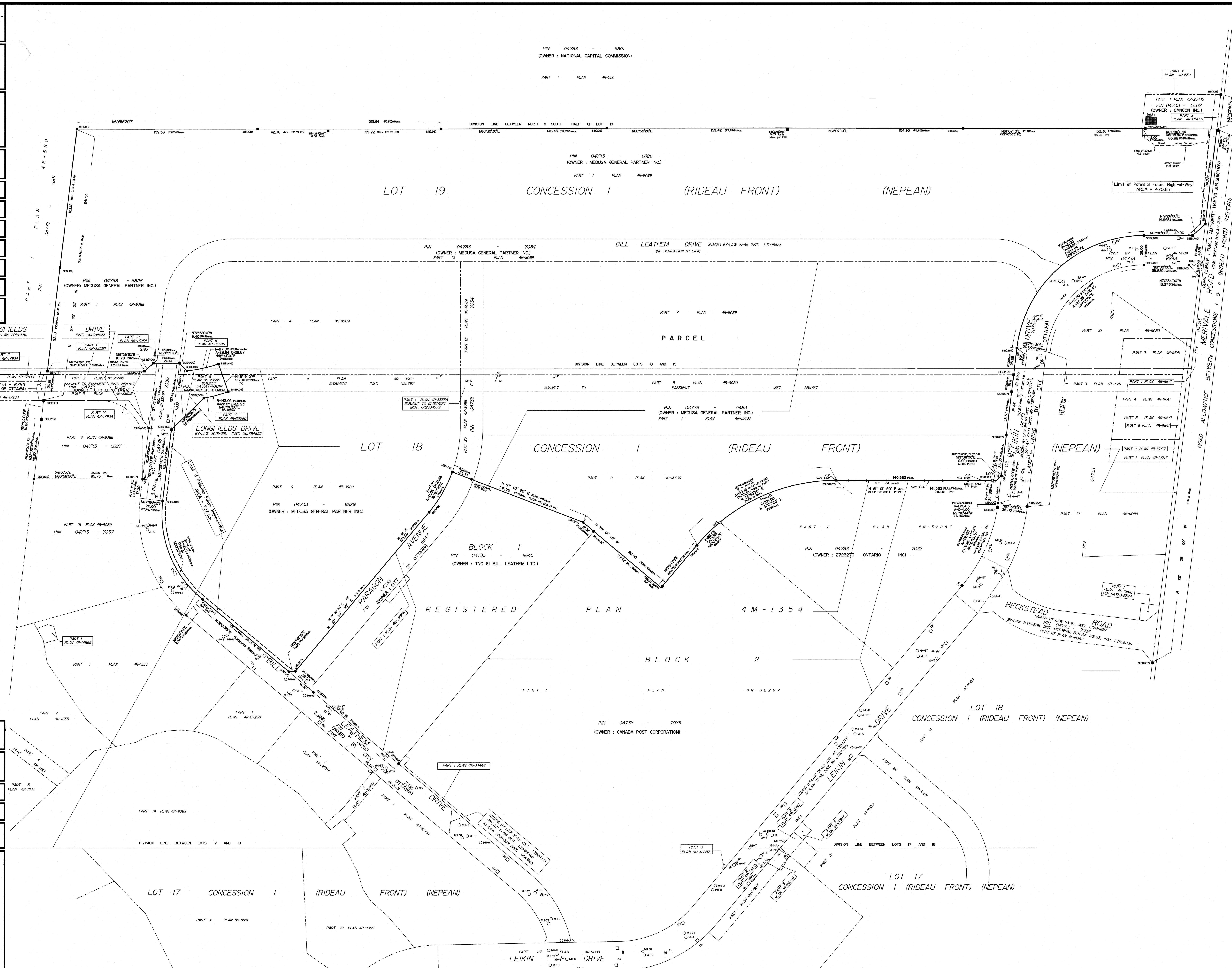
8 SUBSTANTIAL FEATURES
NO SUBSTANTIAL FEATURES.

9 PARKING STRUCTURES
REGULAR = 0 HANDICAP = 0 TOTAL = 0

11 UNDERGROUND SERVICES
SEE PLAN FOR VISIBLE HARDWARE ONLY. NO UNDERGROUND LOCATES WERE PERFORMED.

13 ADJOINING OWNERS
SEE PLAN

14 ACCESS TO THE NEAREST INTERSECTING STREET
THE PROPERTY FRONTS ONTO LEIKIN DRIVE, PARAGON AVENUE, BILL LEATHEM DRIVE, LONGFIELDS DRIVE AND MERIVALE ROAD



16 EARTH MOVING NOTE
THERE IS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.

17 PROPOSED CHANGES IN STREET RIGHT-OF-WAY LINES
THERE IS NO OBSERVABLE EVIDENCE OF CHANGES TO EXISTING RIGHTS-OF-WAY OF PUBLIC STREETS.

18 EASEMENTS
EASEMENT IN FAVOR OF THE CITY OF OTTAWA (AS IN INSTRUMENT'S N311767 & OC2334579) AS ILLUSTRATED ON THE PLAN

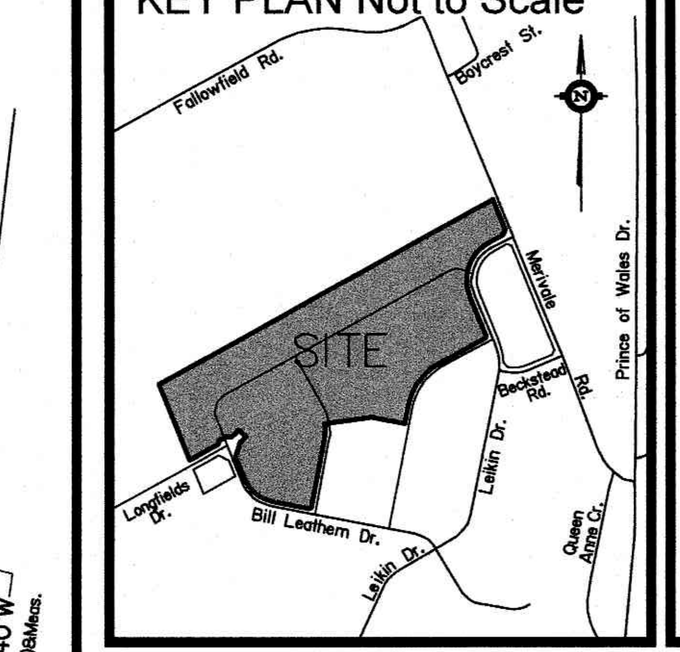
19 PROFESSIONAL LIABILITY INSURANCE POLICY
PROVIDED IN SEPARATE DOCUMENT.

BEARING NOTE
BEARINGS ARE GRID, DERIVED FROM THE WESTERLY LIMIT OF BILL LEATHEM DRIVE SHOWN TO BE N79°01'25"W ON PLAN 4R–32287 AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD–83 (ORIGINAL).

LEGEND AND ABBREVIATIONS

—□—	"	SURVEY MONUMENT PLANTED
—■—	"	SURVEY MONUMENT FOUND
SIB	"	STANDARD IRON BAR
SSIB	"	SHORT STANDARD IRON BAR
IB	"	IRON BAR
*	"	SURVEY MONUMENT 0.3 metres LONG
(WIT)	"	WITNESS
Meas.	"	MEASURED
Acc.	"	ACCEPTED
(AOG)	"	ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
(P1)	"	REGISTERED PLAN 4M–1354
(P2)	"	PLAN 4R–32287
(P3)	"	PLAN 4R–9089
(P4)	"	PLAN 4R–13400
(P5)	"	PLAN 4R–550
(P6)	"	PLAN 4R–23595
(P7)	"	PLAN 4R–17934
(P8)	"	PLAN 4R–25435
(P8)	"	4R–11133
(P10)	"	(AOG) PLAN DATED APRIL 21, 2021
UP	"	UTILITY POLE
AN	"	ANCHOR
CLF	"	CHAIN LINK FENCE
FH	"	FIRE HYDRANT
WV	"	WATER VALVE
MH–ST	"	MAINTENANCE HOLE (STORM SEWER)
MH-S	"	MAINTENANCE HOLE (SANITARY)
MH-W	"	MAINTENANCE HOLE (WATER)
MH-T	"	MAINTENANCE HOLE (TRAFFIC)
MH-H	"	MAINTENANCE HOLE (HYDRO)
MH-U	"	MAINTENANCE HOLE (UNIDENTIFIED)
CBI	"	CATCH BASIN INLET
CB	"	CATCH BASIN
HH	"	HANDHOLE

KEY PLAN Not to Scale



NORTH ARROW & SCALE

Scale 1 : 1000

Metric
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

SHEET 1 OF 1

PLAN OF SURVEY OF

PIN 04733-6826(LT),
PIN 04733-6829(LT),
PIN 04733-0484(LT) and
PIN 04733-7034(LT)
PART OF LOTS 18 and 19
CONCESSION 1 (RIDEAU FRONT)
Geographic Township of Nepean

Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Survey amended to illustrate potential future Right-of-Ways on September 27, 2024

THIS SURVEY DESCRIBES AND DEPICTS THE SAME LAND AS DESCRIBED IN THE TITLE COMMITMENT AS REFERENCED ABOVE.

SURVEYOR'S NOTES

Note 1: The subject property has access to public utilities from the public streets adjacent to the subject property.

Note 2: The subject property abuts, without gaps gores or strips, and has vehicular and pedestrian ingress to and egress from Leikin Drive, Paragon Avenue, Bill Leathem Drive and Longfields Drive , which are completed, dedicated and accepted public rights of way.

Note 3: Except as shown and noted on this Survey, based on a careful physical inspection of the subject property, a zoning report or letter provided by the client, and matters of record or provided by the title company or client, there are no visible:

(i) height or bulk restrictions, setback lines, parking requirements, party walls, encroachments or overhangs of any improvements upon any easement, right-of-way or adjacent land or encroachment of the improvements located on adjacent land onto the subject property, other than as noted on the plan.

Note 4: The subject property does not appear to serve any adjoining property for utilities, drainage, structural support or ingress or egress.

Note 5: The legal description on and depiction of the subject property contained in the survey describe and depict the same property described in the legal description contained in that certain Title Commitment/Preliminary Report issued by ________ on ___________ under Order No. __________. (No report provided)

Note 6: The record description of the subject property forms mathematically closed figures.

Note 7: There is no observed evidence of the site being used as a solid waste dump, sump or sanitary landfill.

Note 8: The survey reflects the location of wetlands on the subject property based on the wetland delineation provided by the client. (No report provided)

SURVEYOR'S CERTIFICATE

ALTA/ASCM Land Title Survey
Surveyor's Certification

To: Medusa Limited Partnership & Medusa Colnvest Limited Partnership
16766 rte Trans-Canada, Suite 500
Kirkland, Québec H9H 4M7

This is to certify that this map or plat and the survey on which it is based were made in accordance with the Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 6(a), 6(b), 8, 9, 11, 13, 14, 16, 17 and 18 of Table A thereof. The field work was completed on August 9th, 2024.

Registered Surveyor: V. Andrew Shelp
Ontario Land Surveyor No.: 1719
In the Province of: Ontario
Date of Survey : August 9th, 2024.
AOV Reference: 24746-24

Surveyor's Certificate

I CERTIFY THAT :

1. This survey and plan are correct and in accordance with the Surveys Act and the Surveyors Act and the regulations made under them.
2. The survey was completed on the 9th day of August, 2024.

August 9, 2024
Date

V. Andrew Shelp
Ontario Land Surveyor

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@aovltd.com
Ontario Land Surveyors

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-84283

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR In accordance with Regulation 1026, Section 29 (3)

APPENDIX C

CHAIN OF TITLE

CHAIN OF TITLE REPORT

Project #: 21041400366
Address: 2 Leikin Drive, Nepean
Legal Description: Pt Lots 18 & 19 Con 1 RF
Pt 5 4R8388 & Pts 4-6 4R8276

PIN #: 04733-6829 (LT)

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (Pt Lt 18 - 200 Acres)	17 01 1832	Crown	**John SMITH**
	Patent (PT Lt 19 - 200 Acres)	20 10 1834	Crown	**Maria ROBERTSON**
529	Deed	08 05 1832	John Smith	Asza WERDON
1161	Deed	02 07 1837	Maria Robertson	Benjamin HOLMES
1692	Deed	10 04 1841	Asza Werdon	Sidney HELMER
5150	Deed	26 04 1841	Sidney Helmer	James BURROWS
4465	Deed	28 02 1850	Benjamin Holmes	William HOPPER
4466	Deed	28 02 1850	William Hopper	George HOPPER
4850	Deed	15 01 1851	George Hopper	John STINSON

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 21041400366
Address: 2 Leikin Drive, Nepean
Legal Description: Pt Lots 18 & 19 Con 1 RF Pt 5 4R8388 & Pts 4-6 4R8276

PIN #: 04733-6829 (LT)

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
415	Deed	09 02 1870	James Burrows	Henry BURROWS
1205	Deed	01 05 1872	John Stinson	James FALLS
3451	Deed	10 04 1875	Henry Burrows	William FULFORD
6599*	Deed	03 11 1879	William Fulford	Jane JOHNSTON
11702	Deed	30 04 1887	James Falls	John FALLS
1603	Deed	06 02 1893	Jane Johnston	John STINSON
31882	Deed	02 04 1918	John Falls	William J. R. FALLS
39432	Deed	05 07 1926	John Stinson	Frederick STINSON
51421	Deed (Pt Lt 18)	19 05 1944	Frederick Stinson	Cecil RIVINGTON

Cont'd on Page 3

CHAIN OF TITLE REPORT

Project #: 21041400366
Address: 2 Leikin Drive, Nepean
Legal Description: 2 Leikin Drive, Nepean
Pt Lots 18 & 19 Con 1 RF
Pt 5 4R8388 & Pts 4-6 4R8276
PIN #:

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
54669	Deed (Pt Lt 19)	04 05 1946	William J. R. Falls	Cecil RIVINGTON
317568	Deed	31 12 1953	Cecil Rivington	Zena LEIKIN
479793	Deed (Pt Lot 19)	09 07 1964	Zena Leikin	Zena Holdings Limited
483790	Deed (Pt Lot 18	29 09 1964	Zena Leikin	Zena Holdings Limited
N311767	Easement	31 10 1985	Zena Holdings Limited	The Corporation of The City of Nepean
LT812105	Deed	05 01 1993	Zena - Kinder Holdings Limited (Formerly Zena Holdings Limited)	The Corporation of The City of Nepean
LT815265	Deed **(Present Owner)**	29 01 1993	The Corporation of The City of Nepean	**Zena - Kinder Holdings Limited**

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

PROPERTY DESCRIPTION: PART OF LOTS 18 AND 19 CONCESSION 1 RF, PART 5 PLAN 4R8388 AND PARTS 4, 5 AND 6 PLAN 4R8276, EXCEPT PART 4 PLAN 4R8388, AND EXCEPT PARTS 5, 6 AND 7 PLAN 4R23595, NEPEAN. S/T N311767; CITY OF OTTAWA

PROPERTY REMARKS: CORRECTION: DOCUMENT NS146176 ADDED TO 04733-6829 ON 2014/01/06 AT 11:53 BY IACOVITTI, SUZANNE. CORRECTION: DOCUMENT NS146175 ADDED TO 04733-6829 ON 2014/01/06 AT 11:59 BY IACOVITTI, SUZANNE.

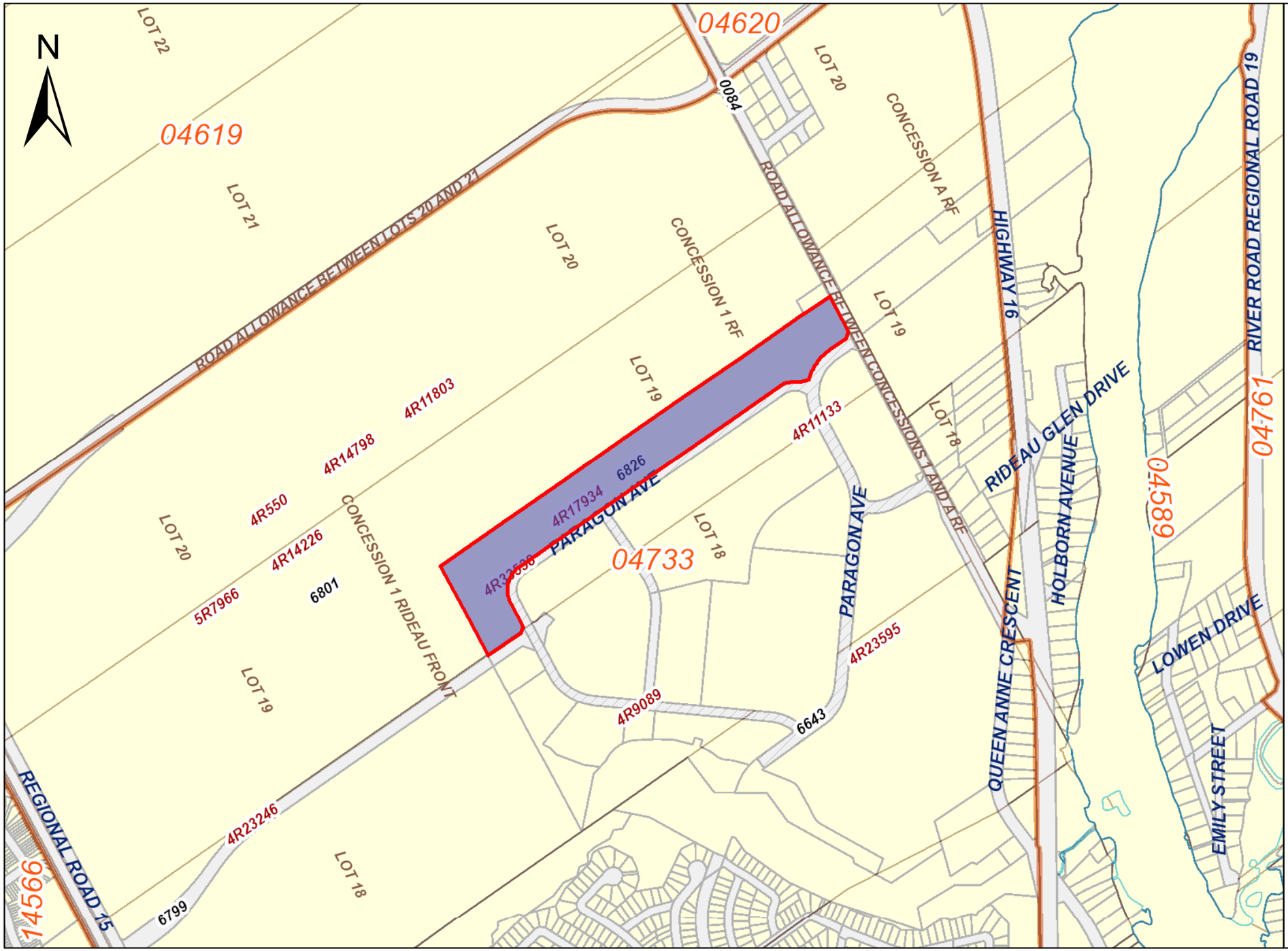
ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE ABSOLUTE	DIVISION FROM 04733-0483	2009/05/20

OWNERS' NAMES	CAPACITY	SHARE
ZENA-KINDER HOLDINGS LIMITED	BENO	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2009/05/20 ***						
CR475141	1964/04/06	NOTICE				C
	REMARKS: SKETCH ATTACHED					
N146175	1982/03/26	APL (GENERAL)		**** DELETED AGAINST THIS PROPERTY ****		
	REMARKS: AMENDMENT TO AIRPORT ZONING REGULATIONS					
N146176	1982/03/26	APL (GENERAL)		**** DELETED AGAINST THIS PROPERTY ****		
	REMARKS: AMENDMENT TO AIRPORT ZONING REGULATIONS					
NS146175	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
NS146176	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
N311767	1985/10/31	TRANSFER EASEMENT			THE CORPORATION OF THE CITY OF NEPEAN	C
	REMARKS: PARTIALLY RELEASED BY N614102					
LT815265	1993/01/29	TRANSFER	$1	THE CORPORATION OF THE CITY OF NEPEAN	ZENA-KINDER HOLDINGS LIMITED	C
4R9089	1993/05/04	PLAN REFERENCE				C
LT1098951	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
	REMARKS: FOR 50 YEARS FROM 98/01/08					
LT1098953	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
	REMARKS: AIRPORT ZONING REGULATION					

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1550482	2014/01/06	LR'S ORDER		LAND REGISTRAR, OTTAWA-CARLETON LAND REGISTRY OFFICE		C
REMARKS: DELETING N146175 AND N146176 AND ADDING NS146175 AND NS146176						



ServiceOntario

PRINTED ON 28 APR, 2021 AT 21:07:49
FOR BERTUCCI

SCALE

0 90 180 270 360 450
meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

CHAIN OF TITLE REPORT

Project #: 21041400366
Address: 20 Leikin Drive, Nepean
Legal Description: Pt Lots 18 & 19 Con 1 RF
Pt 3 4R-8388 & Pts 7-9 4R-8276

PIN #: 04733-0484 (LT)

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (Pt Lt 18 - 200 Acres)	17 01 1832	Crown	**John SMITH**
	Patent (PT Lt 19 - 200 Acres)	20 10 1834	Crown	**Maria ROBERTSON**
529	Deed (Pt Lot 18)	08 05 1832	John Smith	Asza WERDON
1161	Deed (Pt Lot 19)	02 07 1837	Maria Robertson	Benjamin HOLMES
1692	Deed	10 04 1841	Asza Werdon	Sidney HELMER
5150	Deed	26 04 1841	Sidney Helmer	James BURROWS
4465	Deed	28 02 1850	Benjamin Holmes	William HOPPER
4466	Deed	28 02 1850	William Hopper	George HOPPER
4850	Deed	15 01 1851	George Hopper	John STINSON

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Pt 3 4R-8388 & Pts 7-9 4R-8276

PIN #: 04733-0484 (LT)

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
415	Deed (Pt Lot 18)	09 02 1870	James Burrows	Henry BURROWS
1205	Deed (Pt Lot 19)	01 05 1872	John Stinson	James FALLS
3451	Deed	10 04 1875	Henry Burrows	William FULFORD
6599	Deed	03 11 1879	William Fulford	Jane JOHNSTON
11702	Deed	30 04 1887	James Falls	John FALLS
1603	Deed	06 02 1893	Jane Johnston	John STINSON
31882	Deed	02 04 1918	John Falls	William J. R. FALLS
39432	Deed	05 07 1926	John Stinson	Frederick STINSON
51421	Deed (Pt Lt 18)	19 05 1944	Frederick Stinson	Cecil RIVINGTON

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CHAIN OF TITLE REPORT

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Searched at: Ottawa
LRO #: 4

PIN #: 04733-0484 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
54669	Deed (Pt Lt 19)	04 05 1946	William J. R. Falls	Cecil RIVINGTON
317568	Deed	31 12 1953	Cecil Rivington	Zena LEIKIN
479793	Deed (Pt Lot 19)	09 07 1964	Zena Leikin	Zena Holdings Limited
483790	Deed (Pt Lot 18)	29 09 1964	Zena Leikin	Zena Holdings Limited
N311767	Easement	31 10 1985	Zena Holdings Limited	The Corporation of The City of Nepean
LT812105	Deed	05 01 1993	Zena - Kinder Holdings Limited (Formerly Zena Holdings Limited)	The Corporation of The City of Nepean
LT815265	Deed **(Present Owner)**	29 01 1993	The Corporation of The City of Nepean	**Zena - Kinder Holdings Limited**

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

PROPERTY DESCRIPTION: CONSOLIDATION OF VARIOUS PROPERTIES PT LTS 18 & 19 CON 1 RF, PT 3 4R-8388 AND PTS 7, 8 & 9 4R-8276, S/T N311767, NEPEAN

PROPERTY REMARKS: CORRECTION: INSTRUMENT NUMBER N580302 WAS ENTERED IN ERROR AGAINST THIS PROPERTY AND WAS REMOVED AND CERTIFIED ON 1997/12/04 BY KATHLEEN DILLABOUGH. CORRECTION: DOCUMENT NS146176 ADDED TO 04733-0484 ON 2014/01/06 AT 11:48 BY IACOVITTI, SUZANNE. CORRECTION: DOCUMENT NS146175 ADDED TO 04733-0484 ON 2014/01/06 AT 11:56 BY IACOVITTI, SUZANNE.

ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE ABSOLUTE	CONSOLIDATION FROM 04733-0088, 04733-0436	1993/04/16

OWNERS' NAMES	CAPACITY	SHARE
ZENA-KINDER HOLDINGS LIMITED	BENO	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1993/01/25 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1993/04/16						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1993/04/16 ***						
CR475141	1964/04/06	NOTICE				C
	REMARKS: SKETCH ATTACHED					
N146175	1982/03/26	APL (GENERAL)		**** DELETED AGAINST THIS PROPERTY ****		
	REMARKS: AMENDMENT TO AIRPORT ZONING REGULATIONS					
N146176	1982/03/26	APL (GENERAL)		**** DELETED AGAINST THIS PROPERTY ****		
	REMARKS: AMENDMENT TO AIRPORT ZONING REGULATIONS					
NS146175	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
NS146176	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
N311767	1985/10/31	TRANSFER EASEMENT			THE CORPORATION OF THE CITY OF NEPEAN	C
	REMARKS: PARTIALLY RELEASED BY N614102					
LT9105804	1992/07/22	APL (GENERAL)			ZENA-KINDER HOLDINGS LIMITED	C
LT811365	1992/12/24	CONSTRUCTION LIEN		**** DELETED AGAINST THIS PROPERTY **** SET CONSTRUCTION LTD.		
LT815265	1993/01/29	TRANSFER	$1	THE CORPORATION OF THE CITY OF NEPEAN	ZENA-KINDER HOLDINGS LIMITED	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
LT823872	1993/04/07	APL (GENERAL)		ZENA-KINDER HOLDINGS LIMITED		C
4R9089	1993/05/04	PLAN REFERENCE				C
LT838409	1993/07/05	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED ***		
				SET CONSTRUCTION LTD	THE CORPORATION OF THE CITY OF NEPEAN	
4R13400	1997/11/27	PLAN REFERENCE				C
LT1098948	1998/01/08	NOTICE	$13,641	ZENA-KINDER HOLDINGS LIMITED	JDS FITEL INC.	C
	REMARKS: EXPIRES IN TWO YEARS UNLESS EXTENDED					
LT1098949	1998/01/08	NOTICE		ZENA-KINDER HOLDINGS LIMITED	JDS FITEL INC.	C
LT1098951	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
	REMARKS: FOR 50 YEARS FROM 98/01/08					
LT1098953	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
	REMARKS: AIRPORT ZONING REGULATION					
OC1550482	2014/01/06	LR'S ORDER		LAND REGISTRAR, OTTAWA-CARLETON LAND REGISTRY OFFICE		C
	REMARKS: DELETING N146175 AND N146176 AND ADDING NS146175 AND NS146176					

[redacted]

PRINTED ON 28 APR, 2021 AT 20:04:11
FOR BERTUCCI

SCALE

0 90 180 270 360 450
meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

[redacted]

CHAIN OF TITLE REPORT

Project #: 21041400366
Address: 99 Bill Leather Drive, Nepean
Legal Description: Pt Lots 18 & 19 Con 1 RF

Searched at: Ottawa
LRO #: 4

PIN #: 04733-6826 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (Pt Lt 18 - 200 Acres)	17 01 1832	Crown	**John SMITH**
	Patent (PT Lt 19 - 200 Acres)	20 10 1834	Crown	**Maria ROBERTSON**
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5150	Deed	26 04 1841	Sidney Helmer	James BURROWS
4465	Deed	28 02 1850	Benjamin Holmes	William HOPPER
4466	Deed	28 02 1850	William Hopper	George HOPPER
4850	Deed	15 01 1851	George Hopper	John STINSON

Cont'd on Page 2

Project #: 21041400366
Address: 99 Bill Leather Drive, Nepean
Legal Description: Pt Lots 18 & 19 Con 1 RF

Searched at: Ottawa
LRO #: 4

PIN #: 04733-6826 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
415	Deed	09 02 1870	James Burrows	Henry BURROWS
1205	Deed	01 05 1872	John Stinson	James FALLS
3451	Deed	10 04 1875	Henry Burrows	William FULFORD
6599*	Deed	03 11 1879	William Fulford	Jane JOHNSTON
11702	Deed	30 04 1887	James Falls	John FALLS
1603	Deed	06 02 1893	Jane Johnston	John STINSON
31882	Deed	02 04 1918	John Falls	William J. R. FALLS
39432	Deed	05 07 1926	John Stinson	Frederick STINSON
51421	Deed (Pt Lt 18)	19 05 1944	Frederick Stinson	Cecil RIVINGTON

Cont'd on Page 3

CHAIN OF TITLE REPORT

Project #: 21041400366
Address: 99 Bill Leather Drive, Nepean
Legal Description: Pt Lots 18 & 19 Con 1 RF

Searched at: Ottawa
LRO #: 4

PIN #: 04733-6826 (LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
54669	Deed (Pt Lt 19)	04 05 1946	William J. R. Falls	Cecil RIVINGTON
317568	Deed	31 12 1953	Cecil Rivington	Zena LEIKIN
479793	Deed (Pt Lot 19)	09 07 1964	Zena Leikin	Zena Holdings Limited
483790	Deed (Pt Lot 18)	29 09 1964	Zena Leikin	Zena Holdings Limited
LT812105	Deed	05 01 1993	Zena - Kinder Holdings Limited (Formerly Zena Holdings Limited)	The Corporation of The City of Nepean
LT815265	Deed **(Present Owner)**	29 01 1993	The Corporation of The City of Nepean	**Zena - Kinder Holdings Limited**

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

PROPERTY DESCRIPTION: PART OF LOTS 18 AND 19 CONCESSION 1, RF, NEPEAN; CITY OF OTTAWA

PROPERTY REMARKS: CORRECTION: DOCUMENT NS146176 ADDED TO 04733-6826 ON 2014/01/06 AT 11:52 BY IACOVITTI, SUZANNE. CORRECTION: DOCUMENT NS146175 ADDED TO 04733-6826 ON 2014/01/06 AT 11:59 BY IACOVITTI, SUZANNE.

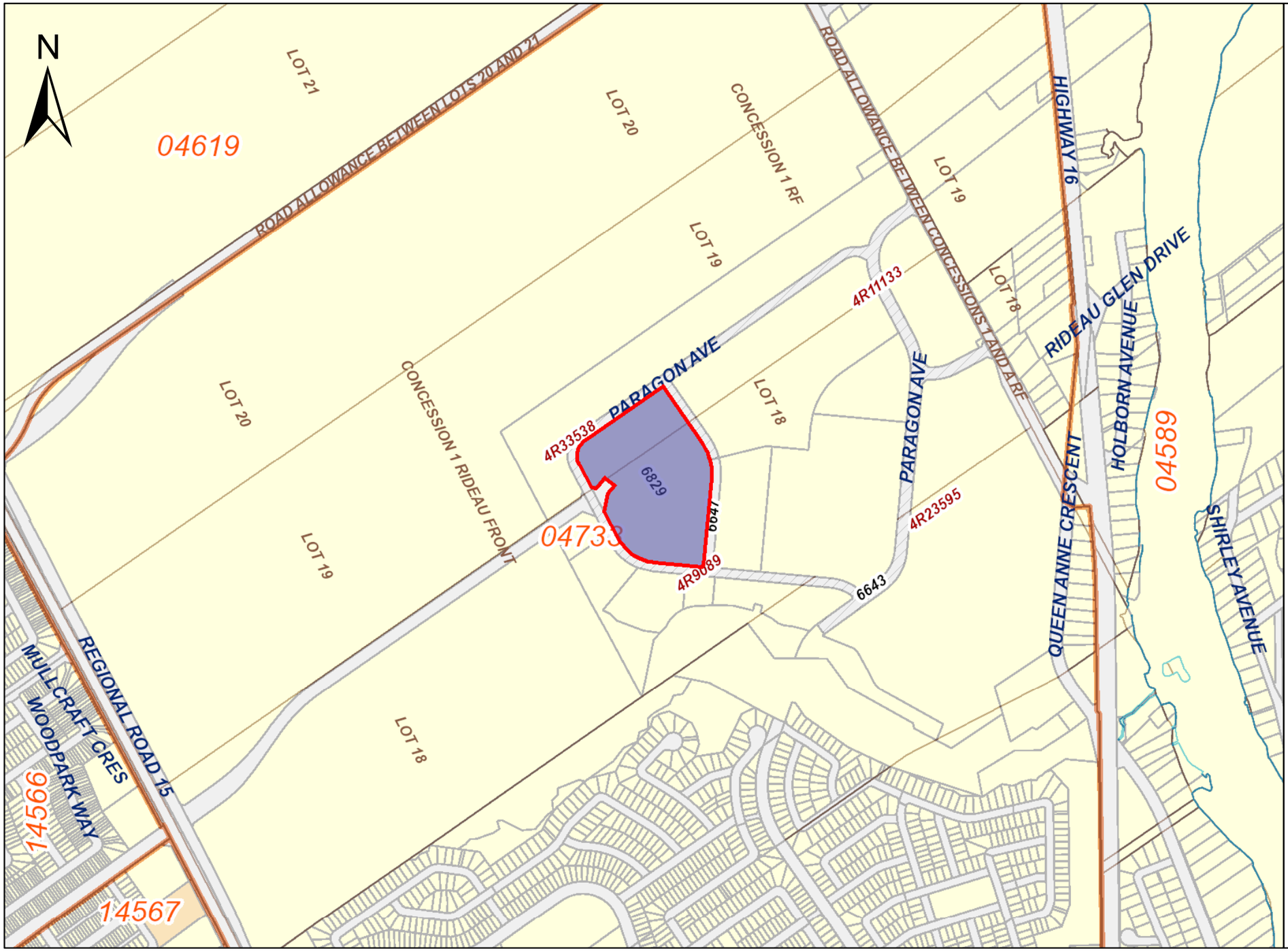
ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE ABSOLUTE	DIVISION FROM 04733-0482	2009/05/20

OWNERS' NAMES	CAPACITY	SHARE
ZENA-KINDER HOLDINGS LIMITED	BENO	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2009/05/20 **						
CR475141	1964/04/06	NOTICE				C
	REMARKS: SKETCH ATTACHED					
N146175	1982/03/26	APL (GENERAL)		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: AMENDMENT TO AIRPORT ZONING REGULATIONS					
N146176	1982/03/26	APL (GENERAL)		*** DELETED AGAINST THIS PROPERTY ***		
	REMARKS: AMENDMENT TO AIRPORT ZONING REGULATIONS					
NS146175	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
NS146176	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
LT815265	1993/01/29	TRANSFER	$1	THE CORPORATION OF THE CITY OF NEPEAN	ZENA-KINDER HOLDINGS LIMITED	C
4R9089	1993/05/04	PLAN REFERENCE				C
LT1098951	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
	REMARKS: FOR 50 YEARS FROM 98/01/08					
LT1098953	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
4R17934	2002/08/28	PLAN REFERENCE				C
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
	REMARKS: AIRPORT ZONING REGULATION					
OC1550482	2014/01/06	LR'S ORDER		LAND REGISTRAR, OTTAWA-CARLETON LAND REGISTRY OFFICE		C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: DELETING N146175 AND N146176 AND ADDING NS146175 AND NS146176						



ServiceOntario

PRINTED ON 28 APR, 2021 AT 21:01:39
FOR BERTUCCI

SCALE

0 90 180 270 360 450
meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

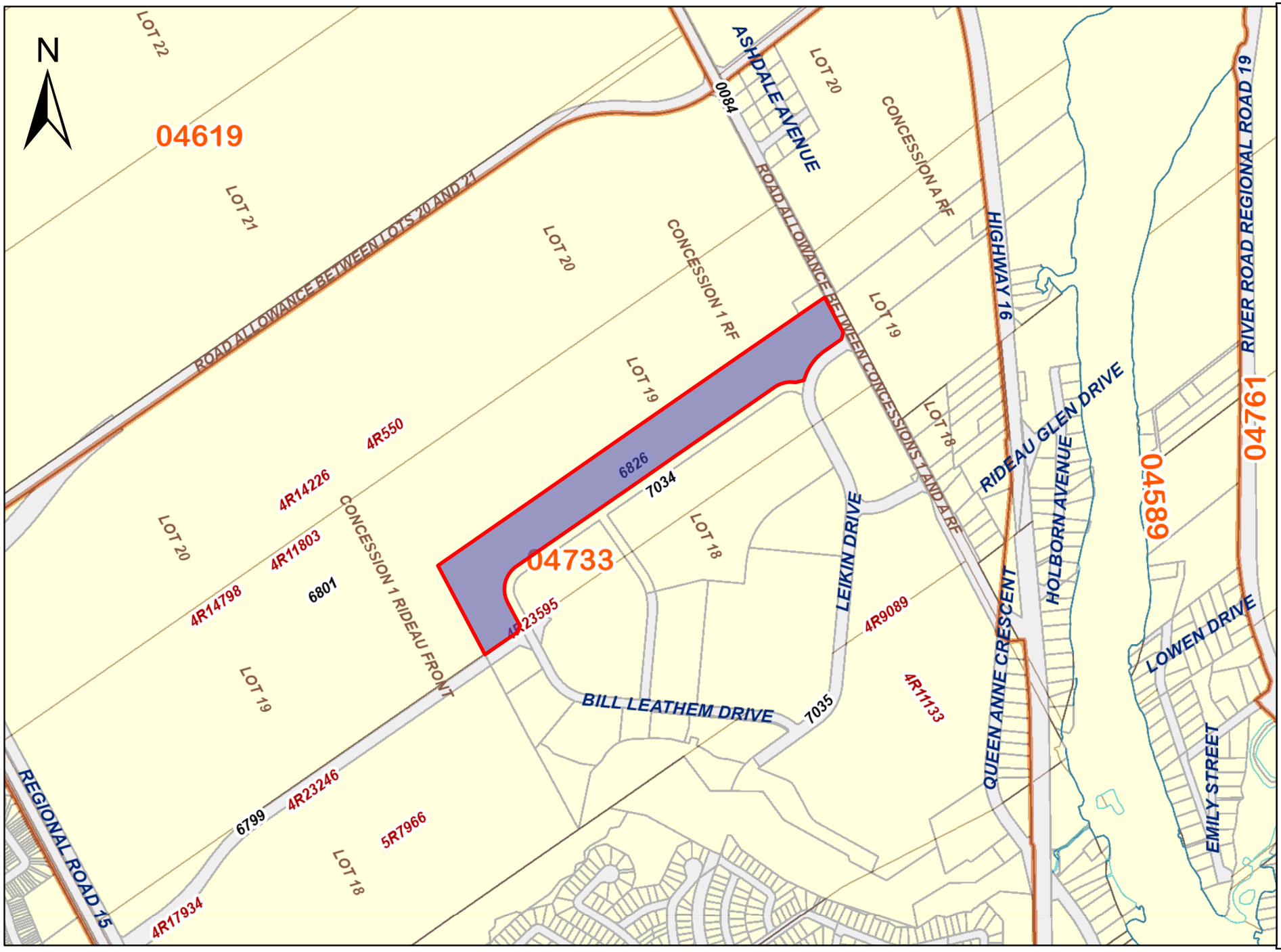
THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario



ServiceOntario

PRINTED ON 02 OCT, 2024 AT 13:40:15
FOR EEGOOLAB

SCALE

0 80 160 240 320 400 480
meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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

PROPERTY DESCRIPTION: PART OF LOTS 18 AND 19 CONCESSION 1, RF, NEPEAN; CITY OF OTTAWA

PROPERTY REMARKS: CORRECTION: DOCUMENT NS146176 ADDED TO 04733-6826 ON 2014/01/06 AT 11:52 BY IACOVITTI, SUZANNE. CORRECTION: DOCUMENT NS146175 ADDED TO 04733-6826 ON 2014/01/06 AT 11:59 BY IACOVITTI, SUZANNE.

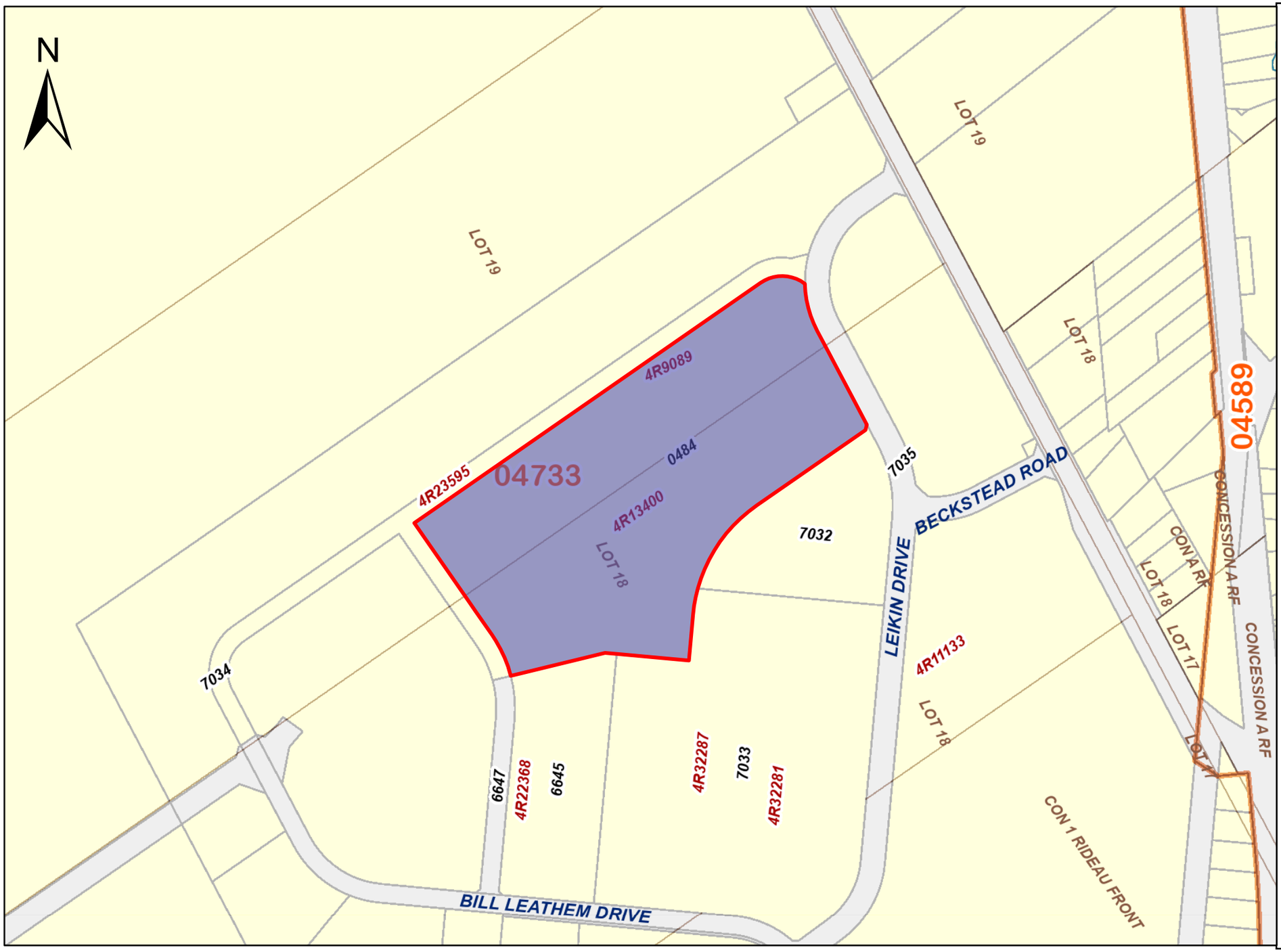
ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE ABSOLUTE	DIVISION FROM 04733-0482	2009/05/20

OWNERS' NAMES	CAPACITY	SHARE
MEDUSA GENERAL PARTNER INC.		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
CR475141	1964/04/06	NOTICE				C
REMARKS: SKETCH ATTACHED						
NS146175	1982/03/26	ORDER IN COUNCIL				C
REMARKS: AMENDMENT						
NS146176	1982/03/26	ORDER IN COUNCIL				C
REMARKS: AMENDMENT						
4R9089	1993/05/04	PLAN REFERENCE				C
LT1098951	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
REMARKS: FOR 50 YEARS FROM 98/01/08						
LT1098953	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
4R17934	2002/08/28	PLAN REFERENCE				C
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
REMARKS: AIRPORT ZONING REGULATION						
OC1550482	2014/01/06	LR'S ORDER		LAND REGISTRAR, OTTAWA-CARLETON LAND REGISTRY OFFICE		C
REMARKS: DELETING N146175 AND N146176 AND ADDING NS146175 AND NS146176						
OC2423844	2021/11/16	TRANSFER	$34,585,200	ZENA-KINDER HOLDINGS LIMITED	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	C
REMARKS: PLANNING ACT STATEMENTS.						
OC2423845	2021/11/16	CHARGE PARTNERSHIP	$30,500,000	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	BCIMC CONSTRUCTION FUND CORPORATION	C
OC2423846	2021/11/16	NO ASSGN RENT GEN		MEDUSA GENERAL PARTNER INC.	BCIMC CONSTRUCTION FUND CORPORATION	C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				MEDUSA LIMITED PARTNERSHIP		
	REMARKS: OC2423845.					
OC2556605	2022/11/22	TRANSFER OF CHARGE		BCIMC CONSTRUCTION FUND CORPORATION	QUADREAL REAL ESTATE DEBT (CANADA) GP INC.	C
	REMARKS: OC2423845.					
OC2556606	2022/11/22	NO ASSGN RENT GEN		BCIMC CONSTRUCTION FUND CORPORATION	QUADREAL REAL ESTATE DEBT (CANADA) GP INC.	C
	REMARKS: OC2423845.					
OC2699682	2024/06/20	TRANS PARTNERSHIP	$2	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	MEDUSA GENERAL PARTNER INC.	C



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SCALE

0 40 80 120 160 200 240
meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

PROPERTY DESCRIPTION: CONSOLIDATION OF VARIOUS PROPERTIES PT LTS 18 & 19 CON 1 RF, PT 3 4R-8388 AND PTS 7, 8 & 9 4R-8276, S/T N311767, NEPEAN

PROPERTY REMARKS: CORRECTION: INSTRUMENT NUMBER N580302 WAS ENTERED IN ERROR AGAINST THIS PROPERTY AND WAS REMOVED AND CERTIFIED ON 1997/12/04 BY KATHLEEN DILLABOUGH. CORRECTION: DOCUMENT NS146176 ADDED TO 04733-0484 ON 2014/01/06 AT 11:48 BY IACOVITTI, SUZANNE. CORRECTION: DOCUMENT NS146175 ADDED TO 04733-0484 ON 2014/01/06 AT 11:56 BY IACOVITTI, SUZANNE.

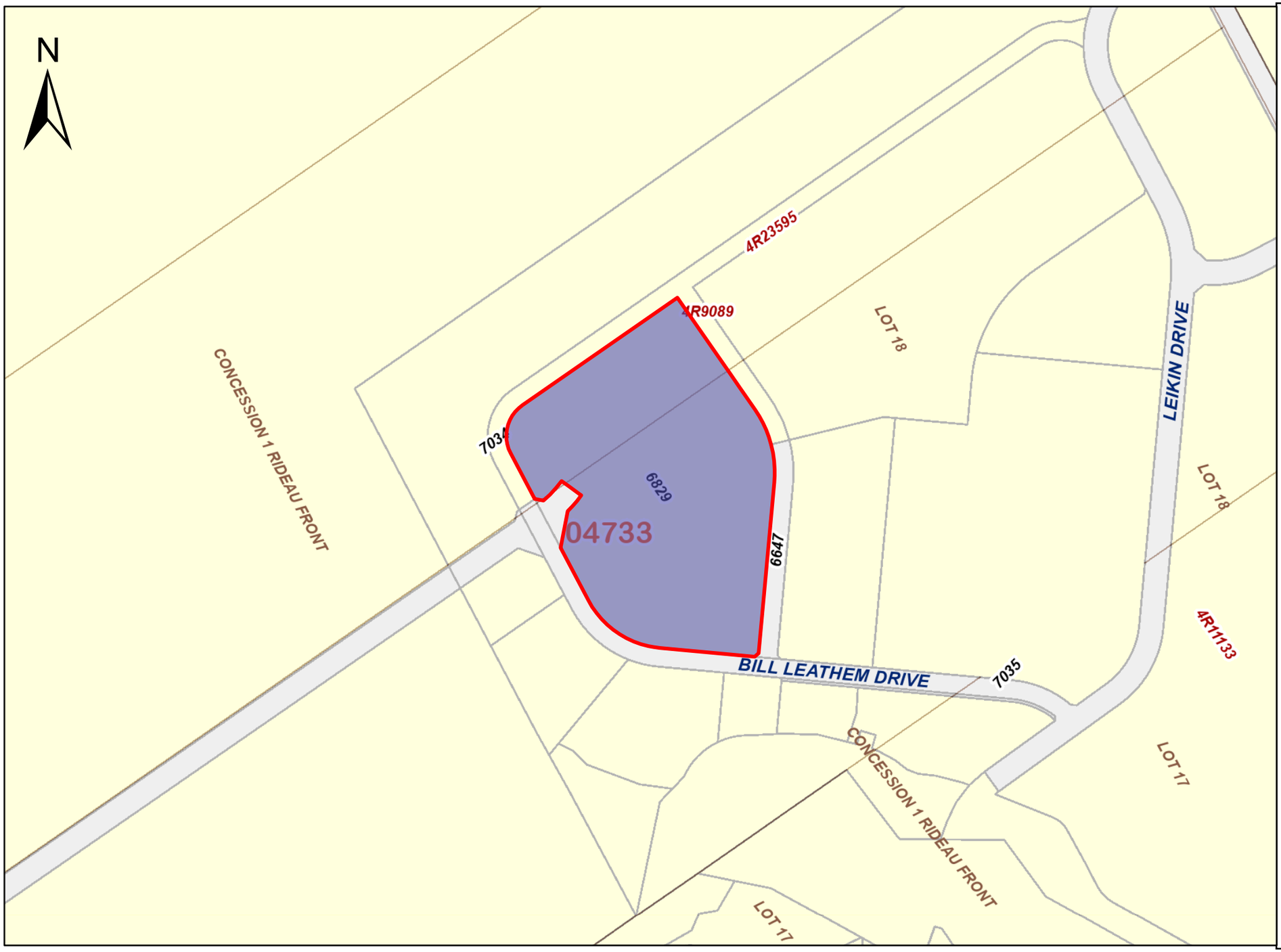
ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE ABSOLUTE	CONSOLIDATION FROM 04733-0088, 04733-0436	1993/04/16

OWNERS' NAMES	CAPACITY	SHARE
MEDUSA GENERAL PARTNER INC.		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1993/01/25 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1993/04/16						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) ***						
CR475141	1964/04/06	NOTICE				C
	REMARKS: SKETCH ATTACHED					
NS146175	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
NS146176	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
N311767	1985/10/31	TRANSFER EASEMENT			THE CORPORATION OF THE CITY OF NEPEAN	C
	REMARKS: PARTIALLY RELEASED BY N614102					
LT9105804	1992/07/22	APL (GENERAL)			ZENA-KINDER HOLDINGS LIMITED	C
LT823872	1993/04/07	APL (GENERAL)		ZENA-KINDER HOLDINGS LIMITED		C
4R9089	1993/05/04	PLAN REFERENCE				C
4R13400	1997/11/27	PLAN REFERENCE				C
LT1098951	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
	REMARKS: FOR 50 YEARS FROM 98/01/08					
LT1098953	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
	REMARKS: AIRPORT ZONING REGULATION					

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1550482	2014/01/06	LR'S ORDER		LAND REGISTRAR, OTTAWA-CARLETON LAND REGISTRY OFFICE		C
	REMARKS: DELETING N146175 AND N146176 AND ADDING NS146175 AND NS146176					
OC2423844	2021/11/16	TRANSFER	$34,585,200	ZENA-KINDER HOLDINGS LIMITED	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	C
	REMARKS: PLANNING ACT STATEMENTS.					
OC2423845	2021/11/16	CHARGE PARTNERSHIP	$30,500,000	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	BCIMC CONSTRUCTION FUND CORPORATION	C
OC2423846	2021/11/16	NO ASSGN RENT GEN		MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	BCIMC CONSTRUCTION FUND CORPORATION	C
	REMARKS: OC2423845.					
OC2556605	2022/11/22	TRANSFER OF CHARGE		BCIMC CONSTRUCTION FUND CORPORATION	QUADREAL REAL ESTATE DEBT (CANADA) GP INC.	C
	REMARKS: OC2423845.					
OC2556606	2022/11/22	NO ASSGN RENT GEN		BCIMC CONSTRUCTION FUND CORPORATION	QUADREAL REAL ESTATE DEBT (CANADA) GP INC.	C
	REMARKS: OC2423845.					
OC2699682	2024/06/20	TRANS PARTNERSHIP	$2	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	MEDUSA GENERAL PARTNER INC.	C



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SCALE

0 40 80 120 160 200 240
meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

PROPERTY DESCRIPTION: PART OF LOTS 18 AND 19 CONCESSION 1 RF, PART 5 PLAN 4R8388 AND PARTS 4, 5 AND 6 PLAN 4R8276, EXCEPT PART 4 PLAN 4R8388, AND EXCEPT PARTS 5, 6 AND 7 PLAN 4R23595, NEPEAN. S/T N311767; CITY OF OTTAWA

PROPERTY REMARKS: CORRECTION: DOCUMENT NS146176 ADDED TO 04733-6829 ON 2014/01/06 AT 11:53 BY IACOVITTI, SUZANNE. CORRECTION: DOCUMENT NS146175 ADDED TO 04733-6829 ON 2014/01/06 AT 11:59 BY IACOVITTI, SUZANNE.

ESTATE/QUALIFIER:	RECENTLY:	PIN CREATION DATE:
FEE SIMPLE ABSOLUTE	DIVISION FROM 04733-0483	2009/05/20

OWNERS' NAMES	CAPACITY	SHARE
MEDUSA GENERAL PARTNER INC.		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
CR475141	1964/04/06	NOTICE				C
	REMARKS: SKETCH ATTACHED					
NS146175	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
NS146176	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
N311767	1985/10/31	TRANSFER EASEMENT			THE CORPORATION OF THE CITY OF NEPEAN	C
	REMARKS: PARTIALLY RELEASED BY N614102					
4R9089	1993/05/04	PLAN REFERENCE				C
LT1098951	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
	REMARKS: FOR 50 YEARS FROM 98/01/08					
LT1098953	1998/01/08	APL ANNEX REST COV		ZENA-KINDER HOLDINGS LIMITED		C
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
	REMARKS: AIRPORT ZONING REGULATION					
OC1550482	2014/01/06	LR'S ORDER		LAND REGISTRAR, OTTAWA-CARLETON LAND REGISTRY OFFICE		C
	REMARKS: DELETING N146175 AND N146176 AND ADDING NS146175 AND NS146176					
OC2423844	2021/11/16	TRANSFER	$34,585,200	ZENA-KINDER HOLDINGS LIMITED	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	C
	REMARKS: PLANNING ACT STATEMENTS.					
OC2423845	2021/11/16	CHARGE PARTNERSHIP	$30,500,000	MEDUSA GENERAL PARTNER INC.	BCIMC CONSTRUCTION FUND CORPORATION	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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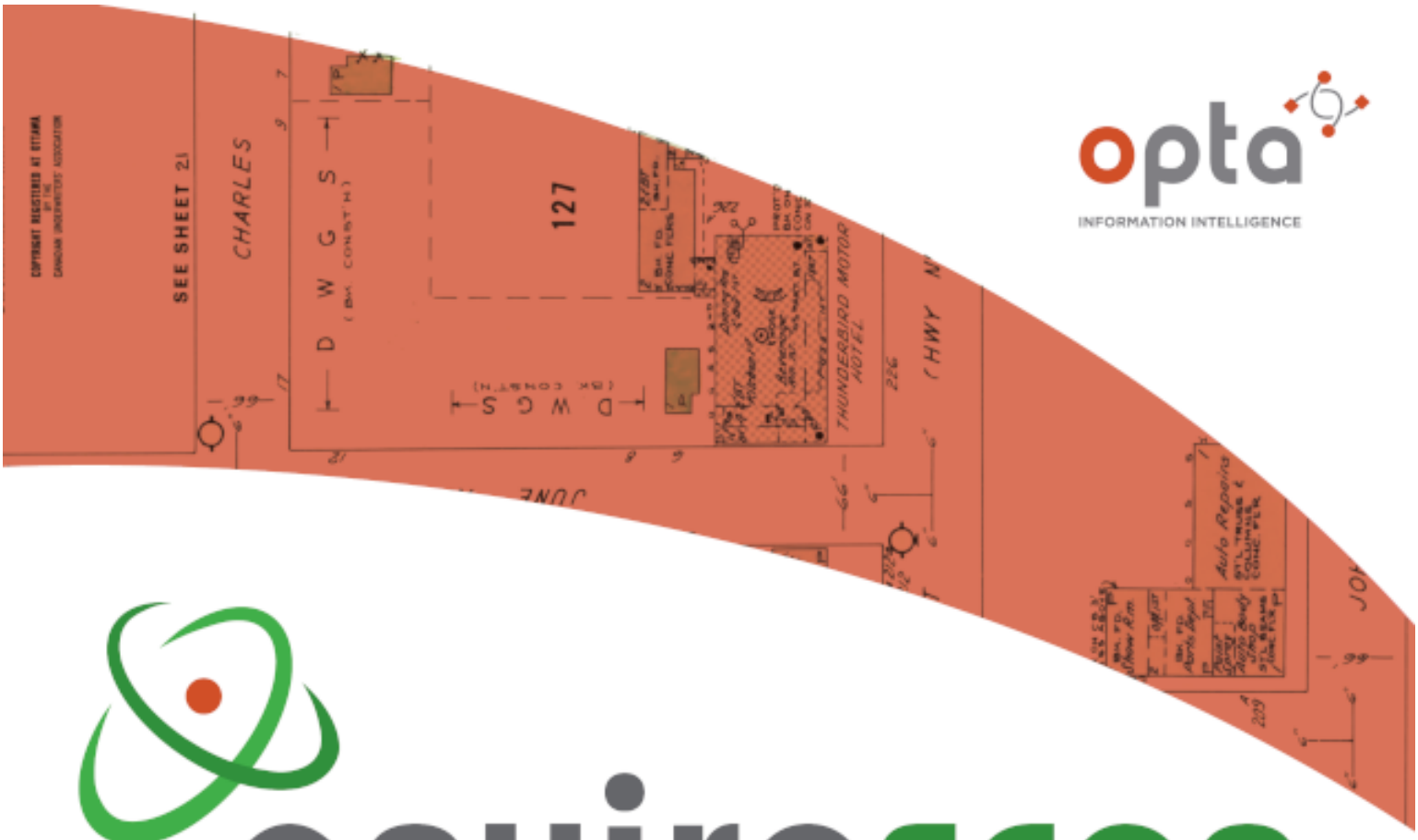
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				MEDUSA LIMITED PARTNERSHIP		
OC2423846	2021/11/16	NO ASSGN RENT GEN		MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	BCIMC CONSTRUCTION FUND CORPORATION	C
	REMARKS: OC2423845.					
OC2556605	2022/11/22	TRANSFER OF CHARGE		BCIMC CONSTRUCTION FUND CORPORATION	QUADREAL REAL ESTATE DEBT (CANADA) GP INC.	C
	REMARKS: OC2423845.					
OC2556606	2022/11/22	NO ASSGN RENT GEN		BCIMC CONSTRUCTION FUND CORPORATION	QUADREAL REAL ESTATE DEBT (CANADA) GP INC.	C
	REMARKS: OC2423845.					
OC2699682	2024/06/20	TRANS PARTNERSHIP	$2	MEDUSA GENERAL PARTNER INC. MEDUSA LIMITED PARTNERSHIP	MEDUSA GENERAL PARTNER INC.	C

APPENDIX D

ERIS DATABASE REPORT



opta
INFORMATION INTELLIGENCE

enviroscan

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Nate

Site Address:

2 Leikin Drive, 20 Leikin Drive & 99 Bill Leathem Drive, Nepean, ON

Project No:

24100200417

Opta Order ID:

150271

Requested by:

Eleanor Goolab
ERIS

Date Completed:

10/3/2024 2:04:54 PM

Project Name: South Merivale Business Park

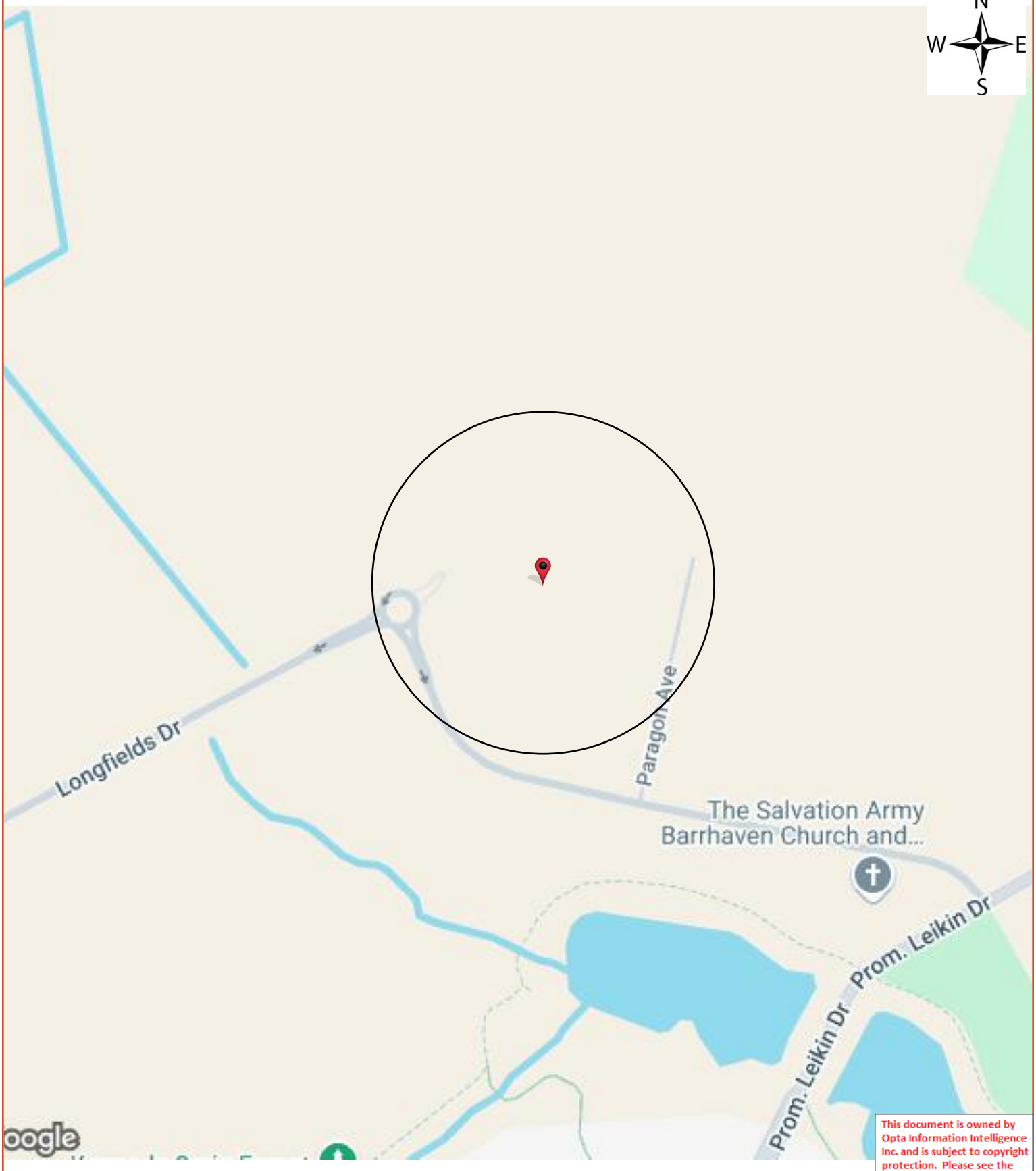
Project #: 24100200417
P.O. #: TR0936B1

ENVIROSCAN Report

Search Area: 2 Leikin Drive, 20 Leikin Drive & 99 Bill Leathem Drive, Nepean, ON

Requested by:
Eleanor Goolab
Date Completed: 10/03/2024 14:04:54

enviroscan
OPTA INFORMATION INTELLIGENCE



Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

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

Disclaimer

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

Entire Agreement

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

Governing Document

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

Law

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

Project Name: South Merivale Business Park

Project #: 24100200417
P.O. #: TR0936B1

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 10/03/2024 14:04:54

OPTA INFORMATION INTELLIGENCE

No Records Found

CITY DIRECTORY

Project Property:	*Bill Leathem* *2 & 20 Leikin Drive and 99 Bill Leatham Drive* *Ottawa,ON K2C 3H1*
Project No:	*TR841A8D4 099A*
Requested By:	*Geosyntec Consultants*
Order No:	*24081500632*
Date Completed:	*August 26, 2024*

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

August 26, 2024
RE: CITY DIRECTORY RESEARCH
2 & 20 Leikin Drive and 99 Bill Leatham Drive
Ottawa,ON K2C 3H1

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:

1-5 of Beckstead Road

1-200 of Bill Leatham Drive

1-115 of Leikin Drive

2500-3000 of Merivale Road

Search Notes:

While Longfields Drive & Paragon Avenue fall within the requested radius, they have no civic addresses available to report.Leikin Drive is also known as 1-115 Prom Leikin Drive in Ottawa.

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006	VERNONS	
2000	POLKS	
1993	POLKS	
1991	MIGHTS	
1987	MIGHTS	
1981	MIGHTS	
1976	MIGHTS	
1971	MIGHTS	
1966	MIGHTS	
1960	MIGHTS	

2021 BECKSTEAD ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2021 BILL LEATHAM DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2021 LEIKIN DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

73 **MOUNTIE SHOP**...*GIFT SHOPS*
73 **ROYAL CANADIAN MOUNTED POLICE**...*POLICE DEPARTMENTS*
73 **SODEXO CANADA INC**...*BUILDING MAINTENANCE*
73 **TIM HORTONS**...*COFFEE SHOPS*

2021 MERIVALE ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 BECKSTEAD ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 BILL LEATHAM DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 LEIKIN DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

73 **SODEXO CANADA INC**...*FULLSERVICE RESTAURANTS*
73 **TIM HORTONS**...*SNACK & NONALCOHOLIC BEVERAGE BARS*

2017 MERIVALE ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 BECKSTEAD ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 BILL LEATHAM DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 LEIKIN DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 MERIVALE ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

3000 **JDS UNIPHASE CANADA LTD**...*FIBER OPTIC CABLE MFG*
3000 **MINTO DEVELOPMENTS INC**...*LAND SUBDIVISION*
3000 **SMILEY'S FOOD SVC**...*CATERERS*

2006 BECKSTEAD ROAD

SOURCE: VERNONS

STREET NOT LISTED

2006 BILL LEATHAM DRIVE

SOURCE: VERNONS

STREET NOT LISTED

2006 LEIKIN DRIVE

SOURCE: VERNONS

STREET NOT LISTED

2006 MERIVALE ROAD

SOURCE: VERNONS

3000	**MINTO DEVELOPMENTS INC**
2500-3000	**ALL RESIDENTIAL**

2000 BECKSTEAD ROAD

SOURCE: POLKS

STREET NOT LISTED

2000 BILL LEATHAM DRIVE

SOURCE: POLKS

STREET NOT LISTED

2000 LEIKIN DRIVE

SOURCE: POLKS

STREET NOT LISTED

2000 MERIVALE ROAD

SOURCE: POLKS

2500-3000	**ALL RESIDENTIAL**

1993 BECKSTEAD ROAD

SOURCE: POLKS

STREET NOT LISTED

1993 BILL LEATHAM DRIVE

SOURCE: POLKS

STREET NOT LISTED

1993 LEIKIN DRIVE

SOURCE: POLKS

STREET NOT LISTED

1993 MERIVALE ROAD

SOURCE: POLKS

2500-3000 **NO LISTINGS WITHIN RADIUS**

1991 BECKSTEAD ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1991 BILL LEATHAM DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1991 LEIKIN DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1991 MERIVALE ROAD

SOURCE: MIGHTS

2500-3000	**NO LISTINGS WITHIN RADIUS**

1987 BECKSTEAD ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1987 BILL LEATHAM DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1987 LEIKIN DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1987 MERIVALE ROAD

SOURCE: MIGHTS

2500-3000	**NO LISTINGS WITHIN RADIUS**

1981 BECKSTEAD ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1981 BILL LEATHAM DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1981 LEIKIN DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1981 MERIVALE ROAD

SOURCE: MIGHTS

2500-3000 **NO LISTINGS WITHIN RADIUS**

1976 BECKSTEAD ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1976 BILL LEATHAM DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1976 LEIKIN DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1976 MERIVALE ROAD

SOURCE: MIGHTS

2500-3000 **NO LISTINGS WITHIN RADIUS**

1971 BECKSTEAD ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1971 BILL LEATHAM DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1971 LEIKIN DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1971 MERIVALE ROAD

SOURCE: MIGHTS

2500-3000	**NO LISTINGS WITHIN RADIUS**

1966 BECKSTEAD ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1966 BILL LEATHAM DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1966 LEIKIN DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1966 MERIVALE ROAD

SOURCE: MIGHTS

2500-3000 **NO LISTINGS WITHIN RADIUS**

1960 BECKSTEAD ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1960 BILL LEATHAM DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1960 LEIKIN DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1960 MERIVALE ROAD

SOURCE: MIGHTS

2500-3000 **NO LISTINGS WITHIN RADIUS**

DATABASE REPORT

Project Property:	*Bill Leathem* *1 Leikin Drive, 20 Leikin Drive and 99 Bill Leathem Drive* *Ottawa ON K2C 3H1*
Project No:	*TR841A8D4 099A*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*24080800561*
Requested by:	*Geosyntec Consultants*
Date Completed:	*August 9, 2024*

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Table of Contents

Executive Summary

Property Information:

Project Property:	*Bill Leathem* *1 Leikin Drive, 20 Leikin Drive and 99 Bill Leathem Drive Ottawa ON K2C 3H1*
Project No:	*TR841A8D4 099A*

Order Information:

Order No:	*24080800561*
Date Requested:	*August 8, 2024*
Requested by:	*Geosyntec Consultants*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	5	5
CA	Certificates of Approval	Y	0	5	5
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	1	1
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	1	1
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	2	2
EBR	Environmental Registry	Y	0	7	7
ECA	Environmental Compliance Approval	Y	2	9	11
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	3	12	15
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	4	4
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	48	48
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	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	1	1
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	4	4
SPL	Ontario Spills	Y	0	5	5
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	15	16

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
Total:			6	119	125

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		99 Bill Leathem Drive and Portions of 2 and 20 Leikin Drive Nepean ON K2J 0P8	NE/0.0	0.00	35
2	EHS		n/a Ottawa ON	E/0.0	-1.00	35
3	ECA	Medusa General Partner Inc. as general partner for and on behalf of Medusa	Limited Partnership null ON	WSW/0.0	1.00	35
4	EHS		20 Leikin Drive Nepean ON K2C 3H1	ENE/0.0	-3.00	35
5	ECA	Medusa General Partner Inc. as general partner for and on behalf of Medusa	Limited Partnership null ON	WSW/0.0	1.00	36
6	WWIS		ON ***Well ID:*** 7392025	NE/0.0	-4.00	36

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	WWIS		lot 19 con 1 ON ***Well ID:*** 1504705	NE/19.2	-4.00	37
8	BORE		ON	NE/19.4	-4.00	40
9	EHS		96 Bill Leathem Drive Nepean ON K2J 0P8	SSW/38.0	1.70	41
10	SCT	JDS Uniphase Corporation	61 Bill Leathem Dr Ottawa ON K2J 0P7	S/42.4	2.00	41
10	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	41
10	SCT	JDS Uniphase Corporation	61 Bill Leathem Dr Nepean ON K2J 0P7	S/42.4	2.00	42
10	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	42
10	EASR	Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	S/42.4	2.00	43
10	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	44
10	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	44
10	EASR	Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	S/42.4	2.00	45
10	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	46

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	ECA	JDS Uniphase Inc.	61 Bill Leathem Drive OTTAWA ON K2J 0P7	S/42.4	2.00	46
10	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON	S/42.4	2.00	47
10	EHS		61 Bill Leathem Dr Ottawa ON K2J0P7	S/42.4	2.00	48
10	ECA	JDS Uniphase Inc.	61 Bill Leathem Dr Ottawa ON K2J 0P7	S/42.4	2.00	48
10	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	48
10	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	49
10	GEN	JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	50
10	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	51
10	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	52
10	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	53
10	GEN	Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	S/42.4	2.00	54
11	CNG	Enbridge - South Merivale Op Centre	Private Nepean ON K2J 0R3	SSW/44.5	3.03	55
12	BORE		ON	ENE/47.2	-5.00	56

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	WWIS		lot 19 con A ON ***Well ID:*** 1510965	ENE/47.3	-5.00	57
14	EHS		61 Bill Leathem Dr Nepean ON K2J 0P7	S/66.3	2.06	61
15	EHS		2 Bill Leathem Drive Nepean ON K2J 0P7	SW/70.5	1.00	61
16	WWIS		con 2 OTTAWA ON ***Well ID:*** 1534521	WSW/72.0	1.00	61
17	BORE		ON	SSE/72.4	0.97	62
18	WWIS		lot 18 con 1 ON ***Well ID:*** 1504702	SSE/72.4	0.97	64
19	GEN	CONSUMERS GAS COMPANY LTD., THE	90 BILL LEATHEM DRIVE NEPEAN ON K2G 6J2	SSW/88.1	2.20	66
19	GEN	CONSUMERS GAS COMPANY	90 BILL LEATHEM DRIVE NEPEAN ON K2G 6J2	SSW/88.1	2.20	66
19	GEN	ENBRIDGE SERVICES INC.	90 BILL LEATHEM DRIVE NEPEAN ON K2G 6J2	SSW/88.1	2.20	67
19	GEN	Enbridge Gas Distribution	90 Bill Leathham Drive Nepean ON	SSW/88.1	2.20	67
19	GEN	Direct Energy Inc.	90 Bill Leathern Drive Nepean ON K2G 6J2	SSW/88.1	2.20	68
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	SSW/88.1	2.20	68
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	SSW/88.1	2.20	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	SSW/88.1	2.20	69
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	SSW/88.1	2.20	70
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON	SSW/88.1	2.20	70
19	EHS		90 Bill Leathem Drive Ottawa ON	SSW/88.1	2.20	71
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2G 6J2	SSW/88.1	2.20	71
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2G 6J2	SSW/88.1	2.20	72
19	GEN	Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2G 6J2	SSW/88.1	2.20	73
19	GEN	Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2G 6J2	SSW/88.1	2.20	74
19	GEN	Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2G 6J2	SSW/88.1	2.20	75
19	SPL		90 Bill Leathem Drive, Nepean Ottawa ON	SSW/88.1	2.20	75
19	GEN	Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2J 0R3	SSW/88.1	2.20	76
19	GEN	Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2J 0R3	SSW/88.1	2.20	77
19	EHS		90 Bill Leathem Dr. Nepean ON K2J 0R3	SSW/88.1	2.20	78

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
20	EHS		90 Bill Leathem Drive Ottawa ON K2J 0R3	SSW/89.2	2.11	78
21	WWIS		con 1 ON ***Well ID:*** 7352549	S/96.8	-2.00	78
22	EHS		Leiken Drive Ottawa ON	SE/100.5	-1.15	79
23	ECA	City of Ottawa	Part of Lots 18 & 19, Concession 1, Rideau Front Ottawa ON K2G 6J8	SW/137.0	-0.20	79
24	WWIS		PRINCE OF WALES Ottawa ON ***Well ID:*** 7181888	ENE/138.0	-6.00	80
25	WWIS		lot 18 con 1 ON ***Well ID:*** 1504703	E/141.9	-6.00	82
26	BORE		ON	E/141.9	-6.00	85
27	EHS		88 Prom. Leikin Dr Nepean ON K2G	SE/152.1	0.00	86
28	EHS		Site 2 Bill Leathem Drive Ottawa ON K2G	SSE/152.5	1.53	86
29	EBR	Canada Post Corporation	50 Leikin Drive Ottawa, ON Canada ON	SE/156.0	-0.08	86
29	ECA	Canada Post Corporation	50 Leikin Dr Ottawa ON K1A 0B1	SE/156.0	-0.08	87
30	WWIS		2876 PRINCE OF WALES DR. lot 19 con A NEPAEN ON ***Well ID:*** 1534771	E/173.2	-5.92	87
31	WWIS		lot 19 con A ON	ENE/173.7	-5.92	89

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1513688			
32	WWIS		lot 18 con A ON ***Well ID:*** 1515468	E/194.5	-5.95	92
33	EBR	JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa CITY OF OTTAWA ON	SSE/248.2	1.08	96
33	EBR	JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA ON	SSE/248.2	1.08	96
33	ECA	JDS Uniphase Inc.	15 Bill Leathem Dr Ottawa ON K2G 5W8	SSE/248.2	1.08	97
34	CFOT	PUBLIC WORKS GOVERNMENT SERVICES CANADA	73 LEIKIN DR SUITE M1-0-911 OTTAWA ON	ESE/269.7	-4.00	97
34	GEN	Royal Canadian Mounted Police	73 Leikin Drive Ottawa ON K1A 0R2	ESE/269.7	-4.00	97
34	FRST		73 Leikin Ottawa ON	ESE/269.7	-4.00	98
34	FRST		73 Leikin Drive Ottawa ON	ESE/269.7	-4.00	103
34	FRST		73 Leikin Drive Ottawa ON	ESE/269.7	-4.00	107
34	FRST		73 Leikin Drive Ottawa ON	ESE/269.7	-4.00	112
34	EHS		73 Leiken Drive Nepean ON K2G	ESE/269.7	-4.00	115
35	SPL	CONTRACTOR	3000 MERIVALE RD AT HWY 16- CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	ESE/284.7	-4.00	115

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	SPL	JDS FITEL (UNIPHASE) INC.	3000 MERIVALE RD, PARKING LOT 3000 MERIVALE RD NEPEAN ON NEPEAN CITY ON	ESE/284.7	-4.00	116
35	CA	JDS UNIPHASE INC.	3000 MERIVALE ROAD NEPEAN CITY ON	ESE/284.7	-4.00	117
35	CA		3000 Merivale Road Nepean ON	ESE/284.7	-4.00	117
35	CA		3000 Merivale Road Nepean ON	ESE/284.7	-4.00	117
35	CA		3000 Merivale Road Nepean ON	ESE/284.7	-4.00	118
35	EBR	JDS Uniphase Corporation	3000 Merivale Road NEPEAN ON	ESE/284.7	-4.00	118
35	EBR	JDS Uniphase Inc.	3000 Merivale Road NEPEAN ON	ESE/284.7	-4.00	118
35	EBR	JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	ESE/284.7	-4.00	119
35	EBR	JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	ESE/284.7	-4.00	119
35	SCT	JDS Uniphase Ltd.	3000 Merivale Rd Nepean ON	ESE/284.7	-4.00	120
35	GEN	JDS FITEL INC.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	ESE/284.7	-4.00	120
35	GEN	JDS UNIPHASE CORPORATION	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	ESE/284.7	-4.00	120
35	GEN	JDS UNIPHASE Inc.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	ESE/284.7	-4.00	121

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	SCT	JDS Uniphase Corporation	3000 Merivale Rd Nepean ON K2G 6N7	ESE/284.7	-4.00	122
35	GEN	Minto Commercial Inc.	3000 Merivale Road Ottawa ON K2G6N7	ESE/284.7	-4.00	122
35	EHS		3000 Merivale Road Ottawa ON	ESE/284.7	-4.00	123
35	SPL	JDS Uniphase Inc.	3000 Merivale Road Nepean ON	ESE/284.7	-4.00	123
35	SPL	JDS Uniphase Corporation	3000 MARIVALE RD., NEPEAN<UNOFFICIAL> Ottawa ON	ESE/284.7	-4.00	124
35	CA	Public Work Government Service Canada	3000 Merivale Rd Ottawa ON	ESE/284.7	-4.00	125
35	GEN	Minto Commercial Inc.	3000 Merivale Road Ottawa ON	ESE/284.7	-4.00	125
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	ESE/284.7	-4.00	126
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	ESE/284.7	-4.00	126
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	127
35	NPRI	JDS UNIPHASE INC.	3000 Merivale Road Ottawa ON K2G6N7	ESE/284.7	-4.00	127
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	ESE/284.7	-4.00	129

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	ECA	Public Work Government Service Canada	3000 Merivale Rd Ottawa ON K1A 0R2	ESE/284.7	-4.00	130
35	ECA	JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	ESE/284.7	-4.00	130
35	ECA	JDS Uniphase Corporation	3000 Merivale Road Nepean ON K2G 5W8	ESE/284.7	-4.00	131
35	ECA	JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	ESE/284.7	-4.00	131
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	131
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	132
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	132
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	133
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	134
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	134
35	GEN	Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	ESE/284.7	-4.00	135
36	WWIS		lot 19 con A ON ***Well ID:*** 1504097	ENE/285.5	-8.06	135
37	BORE		ON	ENE/285.5	-8.06	138

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
38	WWIS		lot 18 con A ON ***Well ID:*** 1504087	E/289.0	-6.31	139
39	WWIS		lot 19 con A ON ***Well ID:*** 1533419	ENE/291.0	-5.97	143
40	WWIS		lot 19 con A ON ***Well ID:*** 1527674	ENE/294.2	-5.97	147
40	WWIS		lot 19 con A ON ***Well ID:*** 1527675	ENE/294.2	-5.97	148
41	GEN	Del Management	2746 Prince of Wales Dr. Ottawa ON K2C 3H1	NE/295.7	-5.80	150

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 5 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	19.4	8
	ON	47.2	12
	ON	72.4	17
	ON	141.9	26
	ON	285.5	37

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3000 Merivale Road Nepean ON	284.7	35
	3000 Merivale Road Nepean ON	284.7	35
JDS UNIPHASE INC.	3000 MERIVALE ROAD NEPEAN CITY ON	284.7	35

Site	Address	Distance (m)	Map Key
Public Work Government Service Canada	3000 Merivale Rd Ottawa ON	284.7	35
	3000 Merivale Road Nepean ON	284.7	35

CFOT - Commercial Fuel Oil Tanks

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

Site	Address	Distance (m)	Map Key
PUBLIC WORKS GOVERNMENT SERVICES CANADA	73 LEIKIN DR SUITE M1-0-911 OTTAWA ON	269.7	34

CNG - Compressed Natural Gas Stations

A search of the CNG database, dated Dec 2012 -May 2024 has found that there are 1 CNG site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Enbridge - South Merivale Op Centre	Private Nepean ON K2J 0R3	44.5	11

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Jun 30, 2024 has found that there are 2 EASR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	42.4	10
Lumentum Ottawa Inc.	61 BILL LEATHEM DRIVE OTTAWA ON K2J 0P7	42.4	10

Site	Address	Distance (m)	Map Key

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Jun 30, 2024 has found that there are 7 EBR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Canada Post Corporation	50 Leikin Drive Ottawa, ON Canada ON	156.0	29
JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA ON	248.2	33
JDS Uniphase Inc.	15 Bill Leathem Drive Ottawa CITY OF OTTAWA ON	248.2	33
JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	284.7	35
JDS Uniphase Corporation	3000 Merivale Road NEPEAN ON	284.7	35
JDS Uniphase Inc.	3000 Merivale Road NEPEAN ON	284.7	35
JDS Uniphase Inc.	3000 Merivale Road Nepean Ontario K2G 6N7 Nepean ON	284.7	35

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 30, 2024 has found that there are 11 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Medusa General Partner Inc. as general partner for and on behalf of Medusa	Limited Partnership null ON	0.0	3

Site	Address	Distance (m)	Map Key
Medusa General Partner Inc. as general partner for and on behalf of Medusa	Limited Partnership null ON	0.0	5
JDS Uniphase Inc.	61 Bill Leathem Dr Ottawa ON K2J 0P7	42.4	10
JDS Uniphase Inc.	61 Bill Leathem Drive OTTAWA ON K2J 0P7	42.4	10
City of Ottawa	Part of Lots 18 & 19, Concession 1, Rideau Front Ottawa ON K2G 6J8	137.0	23
Canada Post Corporation	50 Leikin Dr Ottawa ON K1A 0B1	156.0	29
JDS Uniphase Inc.	15 Bill Leathem Dr Ottawa ON K2G 5W8	248.2	33
JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	284.7	35
JDS Uniphase Corporation	3000 Merivale Road Nepean ON K2G 5W8	284.7	35
JDS Uniphase Inc.	3000 Merivale Road Nepean ON K2G 5W8	284.7	35
Public Work Government Service Canada	3000 Merivale Rd Ottawa ON K1A 0R2	284.7	35

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2024 has found that there are 15 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	99 Bill Leathem Drive and Portions of 2 and 20 Leikin Drive Nepean ON K2J 0P8	0.0	1
	n/a Ottawa ON	0.0	2
	20 Leikin Drive Nepean ON K2C 3H1	0.0	4
	96 Bill Leathem Drive Nepean ON K2J 0P8	38.0	9
	61 Bill Leathem Dr Ottawa ON K2J0P7	42.4	10
	61 Bill Leathem Dr Nepean ON K2J 0P7	66.3	14
	2 Bill Leathem Drive Nepean ON K2J 0P7	70.5	15
	90 Bill Leathem Dr. Nepean ON K2J 0R3	88.1	19
	90 Bill Leathem Drive Ottawa ON	88.1	19
	90 Bill Leathem Drive Ottawa ON K2J 0R3	89.2	20
	Leiken Drive Ottawa ON	100.5	22

Site	Address	Distance (m)	Map Key
	88 Prom. Leikin Dr Nepean ON K2G	152.1	27
	Site 2 Bill Leathem Drive Ottawa ON K2G	152.5	28
	73 Leiken Drive Nepean ON K2G	269.7	34
	3000 Merivale Road Ottawa ON	284.7	35

FRST - Federal Identification Registry for Storage Tank Systems (FIRSTS)

A search of the FRST database, dated Oct 31, 2021 has found that there are 4 FRST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	73 Leikin Ottawa ON	269.7	34
	73 Leikin Drive Ottawa ON	269.7	34
	73 Leikin Drive Ottawa ON	269.7	34
	73 Leikin Drive Ottawa ON	269.7	34

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 48 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON	42.4	10
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
JDS Uniphase Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10

Site	Address	Distance (m)	Map Key
Lumentum Ottawa Inc.	61 Bill Leathem Drive Nepean ON K2J 0P7	42.4	10
CONSUMERS GAS COMPANY LTD., THE	90 BILL LEATHEM DRIVE NEPEAN ON K2G 6J2	88.1	19
CONSUMERS GAS COMPANY	90 BILL LEATHEM DRIVE NEPEAN ON K2G 6J2	88.1	19
ENBRIDGE SERVICES INC.	90 BILL LEATHEM DRIVE NEPEAN ON K2G 6J2	88.1	19
Enbridge Gas Distribution	90 Bill Leathham Drive Nepean ON	88.1	19
Direct Energy Inc.	90 Bill Leathern Drive Nepean ON K2G 6J2	88.1	19
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	88.1	19
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	88.1	19
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	88.1	19
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2J 0R3	88.1	19
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON	88.1	19

Site	Address	Distance (m)	Map Key
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2G 6J2	88.1	19
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2G 6J2	88.1	19
Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2G 6J2	88.1	19
Enbridge Gas Distribution	90 Bill Leathem Drive Nepean ON K2G 6J2	88.1	19
Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2G 6J2	88.1	19
Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2J 0R3	88.1	19
Enbridge Gas Inc.	90 Bill Leathem Drive Nepean ON K2J 0R3	88.1	19
Royal Canadian Mounted Police	73 Leikin Drive Ottawa ON K1A 0R2	269.7	34
JDS FITEL INC.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	284.7	35
JDS UNIPHASE CORPORATION	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	284.7	35
JDS UNIPHASE Inc.	3000 MERIVALE ROAD NEPEAN ON K2C 3H1	284.7	35
Minto Commercial Inc.	3000 Merivale Road Ottawa ON K2G6N7	284.7	35

Site	Address	Distance (m)	Map Key
Minto Commercial Inc.	3000 Merivale Road Ottawa ON	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35

Site	Address	Distance (m)	Map Key
Minto Commercial Inc.	3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	284.7	35
Del Management	2746 Prince of Wales Dr. Ottawa ON K2C 3H1	295.7	41

NPRI - National Pollutant Release Inventory - Historic

A search of the NPRI database, dated 1993-May 2017 has found that there are 1 NPRI site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
JDS UNIPHASE INC.	3000 Merivale Road Ottawa ON K2G6N7	284.7	35

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 4 SCT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
JDS Uniphase Corporation	61 Bill Leathem Dr Ottawa ON K2J 0P7	42.4	10
JDS Uniphase Corporation	61 Bill Leathem Dr Nepean ON K2J 0P7	42.4	10
JDS Uniphase Ltd.	3000 Merivale Rd Nepean ON	284.7	35
JDS Uniphase Corporation	3000 Merivale Rd Nepean ON K2G 6N7	284.7	35

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jan 2023; see description has found that there are 5 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	90 Bill Leathem Drive, Nepean Ottawa ON	88.1	19
JDS Uniphase Inc.	3000 Merivale Road Nepean ON	284.7	35
CONTRACTOR	3000 MERIVALE RD AT HWY 16- CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	284.7	35
JDS FITEL (UNIPHASE) INC.	3000 MERIVALE RD, PARKING LOT 3000 MERIVALE RD NEPEAN ON NEPEAN CITY ON	284.7	35
JDS Uniphase Corporation	3000 MARIVALE RD., NEPEAN<UNOFFICIAL> Ottawa ON	284.7	35

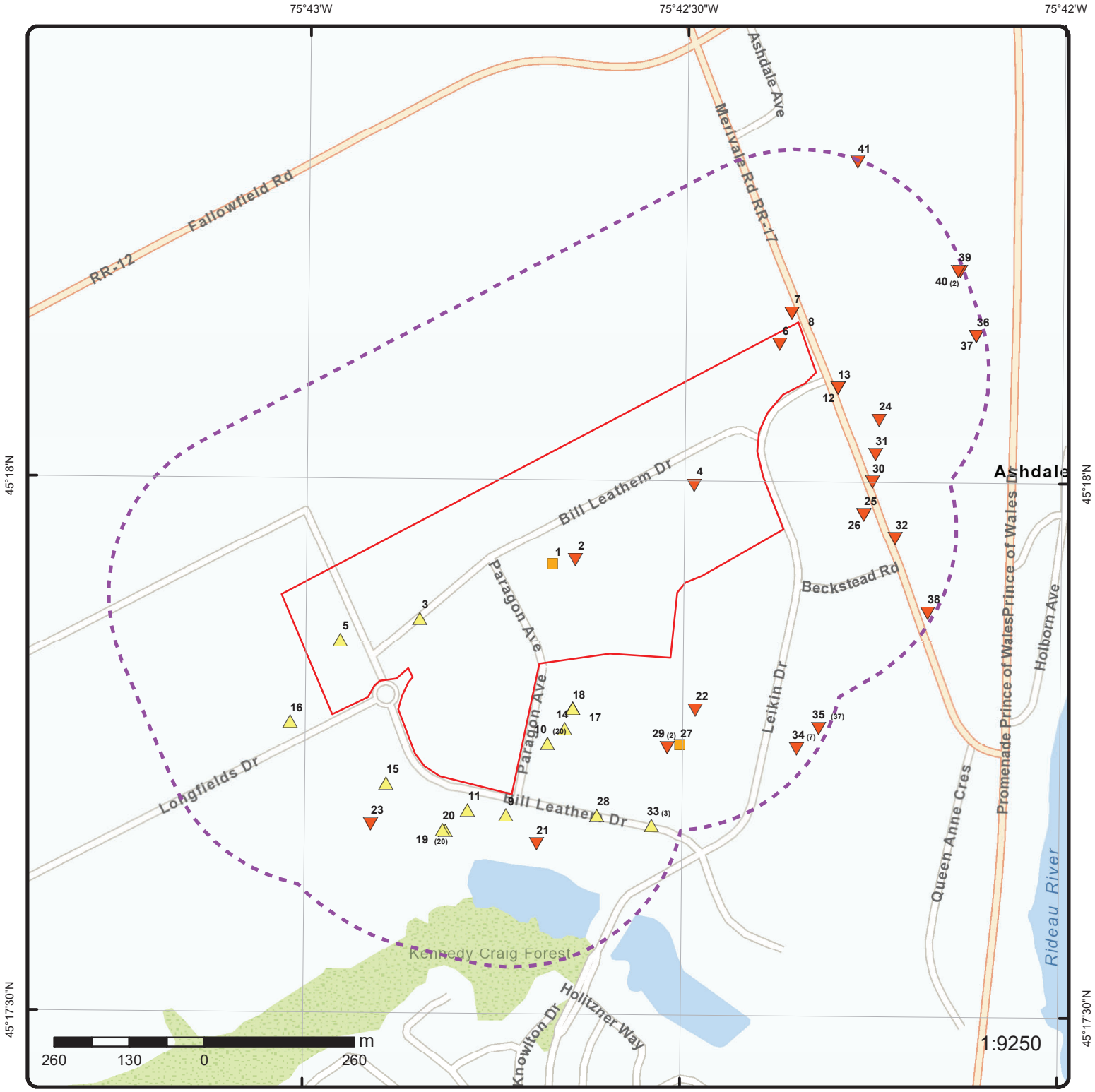
WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 16 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON ***Well ID:*** 7392025	0.0	6
	lot 19 con 1 ON ***Well ID:*** 1504705	19.2	7
	lot 19 con A ON ***Well ID:*** 1510965	47.3	13
	con 2 OTTAWA ON ***Well ID:*** 1534521	72.0	16

Site	Address	Distance (m)	Map Key
	lot 18 con 1 ON ***Well ID:*** 1504702	72.4	18
	con 1 ON ***Well ID:*** 7352549	96.8	21
	PRINCE OF WALES Ottawa ON ***Well ID:*** 7181888	138.0	24
	lot 18 con 1 ON ***Well ID:*** 1504703	141.9	25
	2876 PRINCE OF WALES DR. lot 19 con A NEPAEN ON ***Well ID:*** 1534771	173.2	30
	lot 19 con A ON ***Well ID:*** 1513688	173.7	31
	lot 18 con A ON ***Well ID:*** 1515468	194.5	32
	lot 19 con A ON ***Well ID:*** 1504097	285.5	36
	lot 18 con A ON ***Well ID:*** 1504087	289.0	38
	lot 19 con A ON ***Well ID:*** 1533419	291.0	39
	lot 19 con A ON ***Well ID:*** 1527674	294.2	40
	lot 19 con A ON	294.2	40

Site	Address	Distance (m)	Map Key
	Well ID: 1527675		



Map: 0.3 Kilometer Radius

Order Number: 24080800561

Address: 1 Leikin Drive, 20 Leikin Drive and 99 Bill Leathem Drive, Ottawa, ON

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

Source: © 2021 ESRI StreetMap Premium.

75°42'W

45°18'N

45°18'N

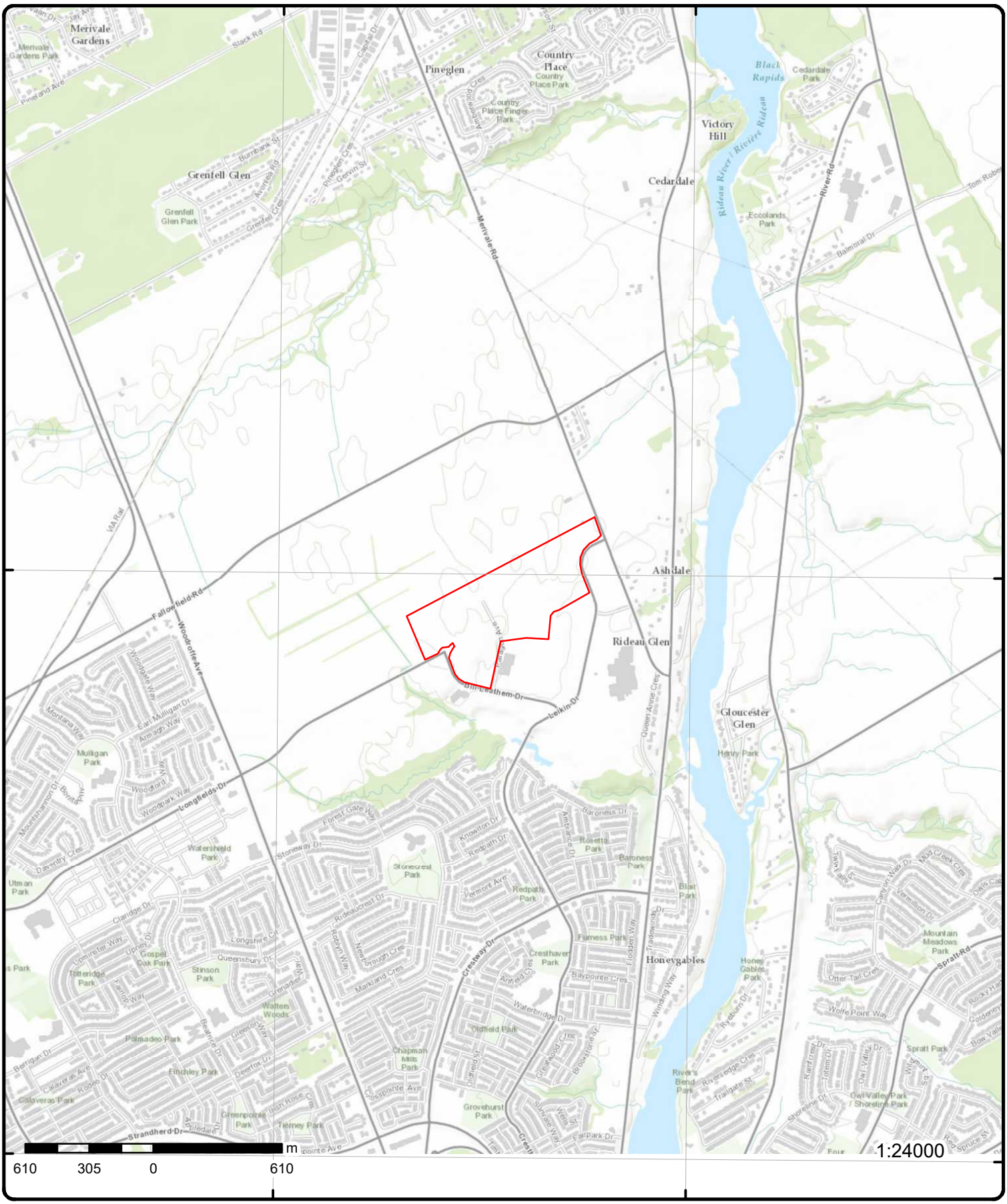
Aerial

Year: 2023

Order Number: 24080800561

Address: 1 Leikin Drive, 20 Leikin Drive and 99 Bill Leathem Drive, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 24080800561

Address: 1 Leikin Drive, 20 Leikin Drive and 99 Bill Leathem Drive, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NE/0.0	88.9 / 0.00	99 Bill Leathem Drive and Portions of 2 and 20 Leikin Drive Nepean ON K2J 0P8	EHS

Order No:	21041400366	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report - Quote	**Client Prov/State:**	ON
Report Date:	20-APR-21	**Search Radius (km):**	.3
Date Received:	14-APR-21	**X:**	-75.71122963
Previous Site Name:		**Y:**	45.29868765
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	E/0.0	87.9 / -1.00	n/a Ottawa ON	EHS

Order No:	20090401014	**Nearest Intersection:**	Merivale Road and Leikin Drive
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	4/9/2009	**Search Radius (km):**	0.25
Date Received:	4/1/2009	**X:**	-75.710725
Previous Site Name:		**Y:**	45.298759
Lot/Building Size:	lot: 37.7 hectares		
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	WSW/0.0	89.9 / 1.00	Medusa General Partner Inc. as general partner for and on behalf of Medusa Limited Partnership null ON	ECA

Approval No:	0147-C7SRR3	**MOE District:**	Ottawa
Approval Date:	2021-10-14	**City:**	
Status:	Issued	**Longitude:**	45.29781699
Record Type:	PTTW	**Latitude:**	-75.71415534
Link Source:	IDS	**Geometry X:**	-8428461.2179000005
SWP Area Name:	Rideau Valley	**Geometry Y:**	5668529.1639000019
Approval Type:	PTTW		
Project Type:	PTTW		
Business Name:	Medusa General Partner Inc. as general partner for and on behalf of Medusa Limited Partnership		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1200-C4VKPF-36.pdf		
PDF Site Location:	Lot part of lot 18 and 19, Concession 1, Geographic Township of Nepean Ottawa		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 1	ENE/0.0	85.9 / -3.00	20 Leikin Drive Nepean ON K2C 3H1	EHS

Order No:	21020500082	**Nearest Intersection:**	
Status:	C	**Municipality:**	

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

Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	10-FEB-21	**Search Radius (km):**	.25
Date Received:	05-FEB-21	**X:**	-75.70811844
Previous Site Name:		**Y:**	45.29992997
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos		

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5 | **1 of 1** | **WSW/0.0** | **89.9 / 1.00** | **Medusa General Partner Inc. as general partner for and on behalf of Medusa Limited Partnership null** **ON** | **ECA**

Approval No:	0147-C7SRR3	**MOE District:**	Ottawa
Approval Date:	2021-10-14	**City:**	
Status:	Issued	**Longitude:**	45.29748194
Record Type:	PTTW	**Latitude:**	-75.71591119
Link Source:	IDS	**Geometry X:**	-8428656.6787999999
SWP Area Name:	Rideau Valley	**Geometry Y:**	5668476.1416999996
Approval Type:	PTTW		
Project Type:	PTTW		
Business Name:	Medusa General Partner Inc. as general partner for and on behalf of Medusa Limited Partnership		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1200-C4VKPF-36.pdf		
PDF Site Location:	Lot part of lot 18 and 19, Concession 1, Geographic Township of Nepean Ottawa		

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6 | **1 of 1** | **NE/0.0** | **84.9 / -4.00** | **ON** | **WWIS**

Well ID:	7392025	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	07/12/2021
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	C40911	**Contractor:**	7529
Tag:	A306135	**Form Version:**	8
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1008710071	**Tag No:**	A306135
Depth M:		**Contractor:**	7529
Year Completed:	2021	**Latitude:**	45.3021418359194
Well Completed Dt:	06/08/2021	**Longitude:**	-75.7062504416111
Audit No:	C40911	**Y:**	45.302141829125844
Path:		**X:**	-75.70625028068453

Bore Hole Information

Bore Hole ID:	1008710071	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	444630.00
Code OB Desc:		***North83:***	5016758.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/08/2021	***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:			

7	***1 of 1***	***NE/19.2***	***84.9 / -4.00***	***lot 19 con 1 ON***	***WWIS***

Well ID:	1504705	***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:***	11/13/1956
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3113
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	019
Depth to Bedrock:		***Concession:***	01
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504705.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/10/1956
Year Completed:	1956
Depth (m):	25.2984
Latitude:	45.3026295094379
Longitude:	-75.7059924636407
X:	-75.70599230254552
Y:	45.30262950229157
Path:	150\1504705.pdf

Bore Hole Information

Bore Hole ID:	10026748	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	444650.70
Code OB Desc:		***North83:***	5016812.00

Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 9
Date Completed: 10/10/1956 ***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:

Overburden and Bedrock Materials Interval

Formation ID: 931000221
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: 57.0
Formation End Depth: 83.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931000220
Layer: 2
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3:
Material 3 Desc:
Formation Top Depth: 48.0
Formation End Depth: 57.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931000219
Layer: 1
Color: 7
General Color: RED
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961504705
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10575318
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930046226
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	52.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930046227
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	83.0
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:	991504705
Pump Set At:	
Static Level:	19.0
Final Level After Pumping:	29.0
Recommended Pump Depth:	
Pumping Rate:	3.0
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:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933458012
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	83.0
Water Found Depth UOM:	ft

8 **1 of 1** **NE/19.4** **84.9 / -4.00** **ON** **BORE**

Borehole ID:	612160	**Inclin FLG:**	No
OGF ID:	215513469	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	OCT-1956	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.302631
Total Depth m:	25.3	**Longitude DD:**	-75.705993
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	444651
Drill Method:		**Northing:**	5016812
Orig Ground Elev m:	89.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	90.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218390227	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	14.6	**Material Texture:**	
Material Color:	White	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. WHITE.		

Geology Stratum ID:	218390228	**Mat Consistency:**	
Top Depth:	14.6	**Material Moisture:**	
Bottom Depth:	17.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,GRAVEL.		

Geology Stratum ID:	218390229	**Mat Consistency:**	
Top Depth:	17.4	**Material Moisture:**	
Bottom Depth:	25.3	**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. GREY. 00083SMIC VELOCITY = 3800. BEDROCK. SEISMIC VELOCITY = 16000. BEDROCK.

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04668 NTS_Sheet:		
Confiden 1:			

Source List

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

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9 ***1 of 1*** ***SSW/38.0*** ***90.6 / 1.70*** ***96 Bill Leathem Drive Nepean ON K2J 0P8*** ***EHS***

Order No:	23042400842	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	27-APR-23	***Search Radius (km):***	.25
Date Received:	24-APR-23	***X:***	-75.71222
Previous Site Name:		***Y:***	45.2947599
Lot/Building Size:			
Additional Info Ordered:			

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10 ***1 of 20*** ***S/42.4*** ***90.9 / 2.00*** ***JDS Uniphase Corporation 61 Bill Leathem Dr Ottawa ON K2J 0P7*** ***SCT***

Established:	8/1/1981
Plant Size (ft²):	
Employment:	

--Details--

Description:	Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code:	334512
Description:	Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code:	333310

---

10 ***2 of 20*** ***S/42.4*** ***90.9 / 2.00*** ***JDS Uniphase Inc. 61 Bill Leathem Drive Nepean ON K2J 0P7*** ***GEN***

Generator No:	ON4267608
SIC Code:	541710 541510 541380
SIC Description:	Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories
Approval Years:	07,08
PO Box No:	

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

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

Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Class: 268
Waste Class Name: AMINES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

10	*3 of 20*	*S/42.4*	*90.9 / 2.00*	***JDS Uniphase Corporation*** ***61 Bill Leathem Dr*** ***Nepean ON K2J 0P7***	***SCT***

Established: 01-JUN-81
Plant Size (ft²):
Employment:

--Details--
Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

Description: Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code: 333310

10	*4 of 20*	*S/42.4*	*90.9 / 2.00*	***JDS Uniphase Inc.*** ***61 Bill Leathem Drive*** ***Nepean ON K2J 0P7***	***GEN***

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Class: 268
Waste Class Name: AMINES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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10 | ***5 of 20*** | ***S/42.4*** | ***90.9 / 2.00*** | ***Lumentum Ottawa Inc.***
61 BILL LEATHEM DRIVE
OTTAWA ON K2J 0P7 | ***EASR***

Approval No: R-003-6325612993
Status: REGISTERED
Date: 2013-04-16
Record Type: EASR
Link Source: MOFA
Project Type: Heating System
Full Address:
Approval Type: EASR-Heating System
SWP Area Name:
PDF NAICS Code:
PDF URL:

MOE District:
Municipality: OTTAWA
Latitude:
Longitude:
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF Site Location:					
10	6 of 20	S/42.4	90.9 / 2.00	JDS Uniphase Inc. 61 Bill Leathem Drive Nepean ON K2J 0P7	GEN

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

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

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 268
Waste Class Name: AMINES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	7 of 20	S/42.4	90.9 / 2.00	JDS Uniphase Inc. 61 Bill Leathem Drive Nepean ON K2J 0P7	GEN

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and

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

Related Services, Testing Laboratories

Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

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

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 268
Waste Class Name: AMINES

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

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

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

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	8 of 20	S/42.4	90.9 / 2.00	***Lumentum Ottawa Inc.*** ***61 BILL LEATHEM DRIVE*** ***OTTAWA ON K2J 0P7***	***EASR***

Approval No: R-002-3388758525
Status: REGISTERED
Date: 2013-11-21
Record Type: EASR
Link Source: MOFA
Project Type: Standby Power System
Full Address:
Approval Type: EASR-Standby Power System
SWP Area Name:
PDF NAICS Code:
PDF URL:
PDF Site Location:

MOE District:
Municipality: OTTAWA
Latitude:
Longitude:
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	9 of 20	S/42.4	90.9 / 2.00	JDS Uniphase Inc. 61 Bill Leathem Drive Nepean ON K2J 0P7	GEN

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: Research and Development in the Physical Engineering and Life Sciences, Computer Systems Design and Related Services, Testing Laboratories
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 268
Waste Class Name: AMINES

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

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

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	10 of 20	S/42.4	90.9 / 2.00	JDS Uniphase Inc. 61 Bill Leathem Drive OTTAWA ON K2J 0P7	ECA

Approval No: 8200-9DTU4Y
Approval Date: 13-DEC-13
Status: Approved
Record Type:
Link Source:
SWP Area Name:
MOE District:
City: OTTAWA
Longitude:
Latitude:
Geometry X:
Geometry Y:

Approval Type:
Project Type: Air/Noise
Business Name: JDS Uniphase Inc.
Address:
Full Address: 61 Bill Leathem Drive Ottawa K2J 0P7
Full PDF Link:
PDF Site Location:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	11 of 20	S/42.4	90.9 / 2.00	JDS Uniphase Inc. 61 Bill Leathem Drive Nepean ON	GEN

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

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

Waste Class: 268
Waste Class Name: AMINES

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	12 of 20	S/42.4	90.9 / 2.00	61 Bill Leathem Dr Ottawa ON K2J0P7	EHS

Order No:	20160914018	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	19-SEP-16	**Search Radius (km):**	.25
Date Received:	14-SEP-16	**X:**	-75.710897
Previous Site Name:		**Y:**	45.296113
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	13 of 20	S/42.4	90.9 / 2.00	JDS Uniphase Inc. 61 Bill Leathem Dr Ottawa ON K2J 0P7	ECA

Approval No:	8200-9DTU4Y	**MOE District:**	
Approval Date:	2013-12-13	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-AIR
Project Type: AIR
Business Name: JDS Uniphase Inc.
Address: 61 Bill Leathem Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2549-8FFSEY-14.pdf
PDF Site Location:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	14 of 20	S/42.4	90.9 / 2.00	Lumentum Ottawa Inc. 61 Bill Leathem Drive Nepean ON K2J 0P7	GEN

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin: Michael T Lane
Choice of Contact: CO_OFFICIAL
Phone No Admin: 408-750-1880 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Waste Class: 148

Waste Class Name: INORGANIC LABORATORY CHEMICALS

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

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 268
Waste Class Name: AMINES

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

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10 | ***15 of 20*** | ***S/42.4*** | ***90.9 / 2.00*** | ***Lumentum Ottawa Inc.***
61 Bill Leathem Drive
Nepean ON K2J 0P7 | ***GEN***

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin: Michael T Lane
Choice of Contact: CO_OFFICIAL
Phone No Admin: 408-750-1880 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

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

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

Waste Class: 268
Waste Class Name: AMINES

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

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10 | **16 of 20** | **S/42.4** | **90.9 / 2.00** | **JDS Uniphase Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
SIC Code: 541710, 541510, 541380
SIC Description: RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING AND LIFE SCIENCES, COMPUTER SYSTEMS DESIGN AND RELATED SERVICES, TESTING LABORATORIES
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Michael T Lane
Choice of Contact: CO_ADMIN
Phone No Admin: 408-750-1880 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 262
Waste Class Name: DETERGENTS/SOAPS

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

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

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

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 268
Waste Class Name: AMINES

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

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

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 267
Waste Class Name: ORGANIC ACIDS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	17 of 20	S/42.4	90.9 / 2.00	Lumentum Ottawa Inc. 61 Bill Leathem Drive Nepean ON K2J 0P7	GEN

Generator No: ON4267608
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

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

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

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

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

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

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

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

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

Waste Class: 262 L
Waste Class Name: Detergents and soaps

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

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

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

Waste Class: 267 C
Waste Class Name: Organic acids

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10 | **18 of 20** | **S/42.4** | **90.9 / 2.00** | **Lumentum Ottawa Inc.**
61 Bill Leathem Drive
Nepean ON K2J 0P7 | **GEN**

Generator No: ON4267608
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

Waste Class: 267 C
Waste Class Name: Organic acids

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

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

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

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

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

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

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

Waste Class: 262 L
Waste Class Name: Detergents and soaps

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

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

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

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

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

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10 | ***19 of 20*** | ***S/42.4*** | ***90.9 / 2.00*** | ***Lumentum Ottawa Inc.***
61 Bill Leathem Drive
Nepean ON K2J 0P7 | ***GEN***

Generator No: ON4267608
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

Waste Class: 262 L
Waste Class Name: Detergents and soaps

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Class: 267 C
Waste Class Name: Organic acids

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

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

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

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

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

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

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

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

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

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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	20 of 20	S/42.4	90.9 / 2.00	***Lumentum Ottawa Inc.*** ***61 Bill Leathem Drive*** ***Nepean ON K2J 0P7***	GEN

Generator No: ON4267608
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

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

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

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

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

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

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

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

Waste Class: 212 L
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213 I
Waste Class Name: PETROLEUM DISTILLATES

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

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

Waste Class: 262 L
Waste Class Name: DETERGENTS/SOAPS

Waste Class: 267 C
Waste Class Name: ORGANIC ACIDS

Waste Class: 212 I
Waste Class Name: ALIPHATIC SOLVENTS

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

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11 | ***1 of 1*** | ***SSW/44.5*** | ***91.9 / 3.03*** | ***Enbridge - South Merivale Op Centre Private Nepean ON K2J 0R3*** | ***CNG***

ID:	117805	**Ev Pricing French:**	
CNG Dispenser No:		**Ev OnSite Renw Src:**	
Date Last Confirme:	2022-11-09	**LNG OnSite Renw Sr:**	
Fuel Type Code:	CNG	**LPG Nozzle Types:**	
Fuel Type Desc:	Compressed Natural Gas	**CNG Fill Type Code:**	T
Hydrogen Is Retail:		**CNG Fill Type Desc:**	Timed-fill
Hydrogen Stat Link:		**CNG PSI:**	3600
LPG Primary:		**CNG OnSite Renw Sr:**	NONE
Ng Fill Type Code:	T	**CNG Tot Cmpres Cap:**	
Ng Fill Type Desc:	Timed-fill	**CNG Stor Capacity:**	
Owner Type Cd:	T	**E85 Oth ETOH Blnd:**	
Owner Type Cd Desc:	Utility owned	**Hydrogen Pressures:**	
Updated At:	2023-12-27 21:10:43 UTC	**Hydrogen Standards:**	
Open Date:	2019-02-01	**Restricted Access:**	
NG PSI:	3600	**Latitude:**	45.294844
Facility Type:	UTILITY	**Longitude:**	-75.713063
Ev Pricing:			
Intersection Dir:			
Intersection Dir French:			

Status Code: E
Status Code Desc: Open: The station is open.
Geocode Status: 200-9
Geocode Status Desc: Premise (building name, property name, shopping center, etc.) level accuracy.
Maximum Vehicle Class: MD
Maximum Vehicle Class Desc: Station can accommodate light- and medium-duty vehicles (Classes 1-5).
CNG Vehicle Class: MD
CNG Vehicle Class Desc: Station can accommodate light- and medium-duty vehicles (Classes 1-5).

LNG Vehicle Class:
CNG Station Sells Renewable: false
LNG Station Sells Renewable:
NPS Unit Name:
RD Blended with Biodiesel:
RD Maximum Biodiesel Level:
RD Blends:
RD Blends French:
BD Blends:
BD Blends French:

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12 ***1 of 1*** ***ENE/47.2*** ***83.9 / -5.00*** ***ON*** ***BORE***

Borehole ID:	612156	***Inclin FLG:***	No
OGF ID:	215513465	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	OCT-1970	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.301467
Total Depth m:	26.2	***Longitude DD:***	-75.704958
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	444731
Drill Method:		***Northing:***	5016682
Orig Ground Elev m:	89.9	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	90.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218390214	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.6	***Material Texture:***	
Material Color:	Brown	***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:	Soil	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	CLAY,SAND,SOIL. BROWN.		

Geology Stratum ID:	218390216	***Mat Consistency:***	
Top Depth:	13.7	***Material Moisture:***	
Bottom Depth:	21	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Sand	***Geologic Formation:***	
Material 2:	Gravel	***Geologic Group:***	
Material 3:	Boulders	***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SAND,GRAVEL,BOULDERSGREY.		

Geology Stratum ID:	218390215	***Mat Consistency:***	
Top Depth:	.6	***Material Moisture:***	
Bottom Depth:	13.7	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	

Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. GREY.		

Geology Stratum ID:	218390217	**Mat Consistency:**	
Top Depth:	21	**Material Moisture:**	
Bottom Depth:	26.2	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. BROWN. 00083SMIC VELOCITY = 15800. BEDROCK. SEISMIC VELOCITY = 17000. 2001350 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04664 NTS_Sheet:		
Confiden 1:			

Source List

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

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13 | ***1 of 1*** | ***ENE/47.3*** | ***83.9 / -5.00*** | ***lot 19 con A ON*** | ***WWIS***

Well ID:	1510965	**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:**	12/02/1970
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:**	019
Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510965.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/20/1970
Year Completed: 1970
Depth (m): 26.2128
Latitude: 45.3014657124196
Longitude: -75.7049576219017
X: -75.70495746084711
Y: 45.30146570481577
Path: 151\1510965.pdf

Bore Hole Information

Bore Hole ID: 10032968
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/20/1970
Remarks:
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:
Elevation:
Elevrc:
Zone: 18
East83: 444730.70
North83: 5016682.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931016311
Layer: 4
Color: 6
General Color: BROWN
Material 1: 26
Material 1 Desc: ROCK
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 69.0
Formation End Depth: 86.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016309
Layer: 2
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016310
Layer: 3
Color: 2
General Color: GREY
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 13
Material 3 Desc: BOULDERS
Formation Top Depth: 45.0
Formation End Depth: 69.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016308
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 09
Material 2 Desc: MEDIUM SAND
Material 3: 02
Material 3 Desc: TOPSOIL
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510965
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10581538
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930058480
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 86.0
Casing Diameter: 6.0

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930058479
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 72.0
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: 991510965
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 60.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934381227
Test Type: Draw Down
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899172
Test Type: Draw Down
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934642248
Test Type: Draw Down
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097519
Test Type: Draw Down
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933466026
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 78.0
Water Found Depth UOM: ft

Water Details

Water ID: 933466027
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 83.0
Water Found Depth UOM: ft

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14 | **1 of 1** | **S/66.3** | **90.9 / 2.06** | **61 Bill Leathem Dr Nepean ON K2J 0P7** | **EHS**

Order No: 22032200228
Status: C
Report Type: Custom Report
Report Date: 25-MAR-22
Date Received: 22-MAR-22
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.71093482
Y: 45.29611421

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15 | **1 of 1** | **SW/70.5** | **89.9 / 1.00** | **2 Bill Leathem Drive Nepean ON K2J 0P7** | **EHS**

Order No: 20200303133
Status: C
Report Type: Standard Report
Report Date: 06-MAR-20
Date Received: 03-MAR-20
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.7148657
Y: 45.2952433

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16 | **1 of 1** | **WSW/72.0** | **89.9 / 1.00** | **con 2 OTTAWA ON** | **WWIS**

Well ID: 1534521
Construction Date:
Use 1st: Livestock
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z05665
Tag:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 02/19/2004
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1844
Form Version: 3

Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	02
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534521.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/28/2004
Year Completed:	2004
Depth (m):	
Latitude:	45.296196875607
Longitude:	-75.7170046002621
X:	-75.71700443838782
Y:	45.296196868758685
Path:	153\1534521.pdf

Bore Hole Information

Bore Hole ID:	11104796	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	443781.00
Code OB Desc:		**North83:**	5016105.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	11/28/2004	**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:			

Method of Construction & Well Use

Method Construction ID:	961534521
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	11109195
Casing No:	1
Comment:	
Alt Name:	

17	***1 of 1***	***SSE/72.4***	***89.8 / 0.97***	***ON***	***BORE***

Borehole ID:	612140	**Inclin FLG:**	No
OGF ID:	215513449	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUN-1958	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.296435
Total Depth m:	18.9	**Longitude DD:**	-75.710762
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	444271
Drill Method:		**Northing:**	5016127
Orig Ground Elev m:	89.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	89.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218390165	**Mat Consistency:**	Hard
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	14.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	HARDPAN,BOULDERS.		

Geology Stratum ID:	218390166	**Mat Consistency:**	
Top Depth:	14.6	**Material Moisture:**	
Bottom Depth:	18.9	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Granite	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRANITE. GREY. 00055CIFIED. SEISMIC VELOCITY = 6200. BEDROCK. SEISMIC VELOCITY = 20500.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04648 NTS_Sheet:		
Confiden 1:			

Source List

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

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

Source Originators: Geological Survey of Canada

18 | **1 of 1** | **SSE/72.4** | **89.8 / 0.97** | **lot 18 con 1 ON** | **WWIS**

Well ID:	1504702	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Livestock	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/05/1958
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3718
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	018
Depth to Bedrock:		**Concession:**	01
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504702.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/20/1958
Year Completed: 1958
Depth (m): 18.8976
Latitude: 45.2964339274372
Longitude: -75.7107620342634
X: -75.71076187235404
Y: 45.29643391982153
Path: 150\1504702.pdf

Bore Hole Information

Bore Hole ID:	10026745	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	444270.70
Code OB Desc:		**North83:**	5016127.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	06/20/1958	**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:

Overburden and Bedrock Materials Interval

Formation ID: 931000212

Layer:	2
Color:	2
General Color:	GREY
Material 1:	21
Material 1 Desc:	GRANITE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	48.0
Formation End Depth:	62.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931000211
Layer:	1
Color:	
General Color:	
Material 1:	14
Material 1 Desc:	HARDPAN
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	48.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961504702
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10575315
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930046221
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930046222
Layer:	2
Material:	4

Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504702
Pump Set At:
Static Level: 18.0
Final Level After Pumping: 24.0
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: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933458009
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55.0
Water Found Depth UOM: ft

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19 | ***1 of 20*** | ***SSW/88.1*** | ***91.1 / 2.20*** | ***CONSUMERS GAS COMPANY LTD., THE***
90 BILL LEATHEM DRIVE
NEPEAN ON K2G 6J2 | ***GEN***

Generator No: ON0060850
SIC Code: 4921
SIC Description: GAS DISTIRB. SYS.
Approval Years: 96,97,01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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19 | ***2 of 20*** | ***SSW/88.1*** | ***91.1 / 2.20*** | ***CONSUMERS GAS COMPANY***
90 BILL LEATHEM DRIVE
NEPEAN ON K2G 6J2 | ***GEN***

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

Generator No: ON0060850
SIC Code: 4921
SIC Description: GAS DISTIRB. SYS.
Approval Years: 98,99,00
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

19	*3 of 20*	*SSW/88.1*	*91.1 / 2.20*	***ENBRIDGE SERVICES INC.*** ***90 BILL LEATHEM DRIVE*** ***NEPEAN ON K2G 6J2***	***GEN***

Generator No: ON2658900
SIC Code: 4242
SIC Description: DRY HEAT. & GAS PIP.
Approval Years: 01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

19	*4 of 20*	*SSW/88.1*	*91.1 / 2.20*	***Enbridge Gas Distribution*** ***90 Bill Leathham Drive*** ***Nepean ON***	***GEN***

Generator No: ON6512754
SIC Code: 221210
SIC Description: Natural Gas Distribution
Approval Years: 03,04,05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	5 of 20	SSW/88.1	91.1 / 2.20	Direct Energy Inc. 90 Bill Leathern Drive Nepean ON K2G 6J2	GEN

Generator No: ON7859537
SIC Code: 561799
SIC Description: All Other Services to Buildings and Dwellings
Approval Years: 04
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	6 of 20	SSW/88.1	91.1 / 2.20	Enbridge Gas Distribution 90 Bill Leathem Drive Nepean ON K2J 0R3	GEN

Generator No: ON6512754
SIC Code: 221210
SIC Description: Natural Gas Distribution
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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19 | ***7 of 20*** | ***SSW/88.1*** | ***91.1 / 2.20*** | ***Enbridge Gas Distribution***
90 Bill Leathem Drive
Nepean ON K2J 0R3 | ***GEN***

Generator No: ON6512754
SIC Code: 221210
SIC Description: Natural Gas Distribution
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

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

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19 | ***8 of 20*** | ***SSW/88.1*** | ***91.1 / 2.20*** | ***Enbridge Gas Distribution***
90 Bill Leathem Drive
Nepean ON K2J 0R3 | ***GEN***

Generator No: ON6512754
SIC Code: 221210
SIC Description: Natural Gas Distribution
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 251

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

Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

19	*9 of 20*	*SSW/88.1*	*91.1 / 2.20*	***Enbridge Gas Distribution*** ***90 Bill Leathem Drive*** ***Nepean ON K2J 0R3***	***GEN***

Generator No: ON6512754
SIC Code: 221210
SIC Description: Natural Gas Distribution
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

19	*10 of 20*	*SSW/88.1*	*91.1 / 2.20*	***Enbridge Gas Distribution*** ***90 Bill Leathem Drive*** ***Nepean ON***	***GEN***

Generator No: ON6512754
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 243
Waste Class Name: PCBS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

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19 | ***11 of 20*** | ***SSW/88.1*** | ***91.1 / 2.20*** | ***90 Bill Leathem Drive Ottawa ON*** | ***EHS***

Order No: 20160602024
Status: C
Report Type: Standard Report
Report Date: 08-JUN-16
Date Received: 02-JUN-16
Previous Site Name:
Lot/Building Size: 3.98 acres
Additional Info Ordered: Topographic Maps; Aerial Photos

Nearest Intersection:
Municipality: City of Ottawa
Client Prov/State: ON
Search Radius (km): .25
X: -75.71365
Y: 45.294631

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19 | ***12 of 20*** | ***SSW/88.1*** | ***91.1 / 2.20*** | ***Enbridge Gas Distribution*** | ***GEN***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				90 Bill Leathem Drive **Nepean ON K2G 6J2**	

Generator No: ON6512754
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

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

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

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

Waste Class: 243
Waste Class Name: PCBS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

19	***13 of 20***	***SSW/88.1***	***91.1 / 2.20***	***Enbridge Gas Distribution*** ***90 Bill Leathem Drive*** ***Nepean ON K2G 6J2***	***GEN***

Generator No: ON6512754
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL

Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 243
Waste Class Name: PCBS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	14 of 20	SSW/88.1	91.1 / 2.20	**Enbridge Gas Inc.** **90 Bill Leathem Drive** **Nepean ON K2G 6J2**	GEN

Generator No: ON6512754
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

Waste Class: 213 I
Waste Class Name: Petroleum distillates

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

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

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

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

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19 | **15 of 20** | **SSW/88.1** | **91.1 / 2.20** | **Enbridge Gas Distribution**
90 Bill Leathem Drive
Nepean ON K2G 6J2 | **GEN**

Generator No: ON6512754
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 243
Waste Class Name: PCBS

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

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

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

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19 | **16 of 20** | **SSW/88.1** | **91.1 / 2.20** | **Enbridge Gas Inc.**
90 Bill Leathem Drive
Nepean ON K2G 6J2 | **GEN**

Generator No: ON6512754
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213 I
Waste Class Name: Petroleum distillates

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

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

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

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

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

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

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

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

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

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19 | **17 of 20** | **SSW/88.1** | **91.1 / 2.20** | **90 Bill Leathem Drive, Nepean**
Ottawa ON | **SPL**

Ref No: 3885-BMFVD2
Year:
Incident Dt: 2020/03/06
Dt MOE Arvl on Scn:
Municipality No:
Nature of Damage:
Discharger Report:
Material Group:

MOE Reported Dt:	2020/03/06	***Impact to Health:***	2 - Minor Environment
Dt Document Closed:	2020/07/17	***Agency Involved:***	
Site No:	NA		
MOE Response:	No		
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	Hydraulic oil spill from blown hose<UNOFFICIAL>		
Site Address:	90 Bill Leathem Drive, Nepean		
Site Region:	Eastern		
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:	5015967		
Easting:	444162		
Incident Cause:			
Incident Preceding Spill:	Leak/Break		
Environment Impact:			
Health Env Consequence:			
Nature of Impact:			
Contaminant Qty:	20 L		
System Facility Address:			
Client Name:			
Client Type:			
Source Type:	Motor Vehicle		
Contaminant Code:	15		
Contaminant Name:	HYDRAULIC OIL		
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:	n/a		
Receiving Medium:	Land		
Incident Reason:	Equipment Failure		
Incident Summary:	Clintar: ~ 20 L hydraulic oil from blown hose - Bill Leathem Dr.		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:	Miscellaneous Industrial		
SAC Action Class:	Land Spills		
Call Report Locatn Geodata:			

19	***18 of 20***	***SSW/88.1***	***91.1 / 2.20***	***Enbridge Gas Inc.*** ***90 Bill Leathem Drive*** ***Nepean ON K2J 0R3***	***GEN***

Generator No:	ON6512754
SIC Code:	
SIC Description:	
Approval Years:	As of Nov 2021
PO Box No:	
Country:	Canada
Status:	Registered
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	213 I

Waste Class Name: Petroleum distillates

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

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

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

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

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

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

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

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

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

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

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	19 of 20	SSW/88.1	91.1 / 2.20	**Enbridge Gas Inc.** **90 Bill Leathem Drive** **Nepean ON K2J 0R3**	GEN

Generator No: ON6512754
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 B
Waste Class Name: ALIPHATIC SOLVENTS

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

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

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

Waste Class: 213 I

Waste Class Name:	PETROLEUM DISTILLATES
Waste Class:	331 I
Waste Class Name:	WASTE COMPRESSED GASES
Waste Class:	263 I
Waste Class Name:	ORGANIC LABORATORY CHEMICALS
Waste Class:	121 C
Waste Class Name:	ALKALINE WASTES - HEAVY METALS
Waste Class:	251 L
Waste Class Name:	OIL SKIMMINGS & SLUDGES
Waste Class:	146 T
Waste Class Name:	OTHER SPECIFIED INORGANICS
Waste Class:	146 L
Waste Class Name:	OTHER SPECIFIED INORGANICS

19 | **20 of 20** | **SSW/88.1** | **91.1 / 2.20** | **90 Bill Leathem Dr.**
Nepean ON K2J 0R3 | **EHS**

Order No:	22042001050	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	25-APR-22	**Search Radius (km):**	.25
Date Received:	20-APR-22	**X:**	-75.7135529
Previous Site Name:		**Y:**	45.2945242
Lot/Building Size:			
Additional Info Ordered:			

20 | **1 of 1** | **SSW/89.2** | **91.0 / 2.11** | **90 Bill Leathem Drive**
Ottawa ON K2J 0R3 | **EHS**

Order No:	23101700458	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	20-OCT-23	**Search Radius (km):**	.25
Date Received:	17-OCT-23	**X:**	-75.7136171
Previous Site Name:		**Y:**	45.2945253
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory		

21 | **1 of 1** | **S/96.8** | **86.9 / -2.00** | **con 1**
ON | **WWIS**

Well ID:	7352549	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	08/22/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	C40412	**Contractor:**	1844
Tag:	A193846	**Form Version:**	8
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	01
Well Depth:		**Concession Name:**	RF

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Additional Detail(s) (Map)

Bore Hole ID: 1008171634
Depth M:
Year Completed: 2019
Well Completed Dt: 03/18/2019
Audit No: C40412
Path:
Tag No: A193846
Contractor: 1844
Latitude: 45.2943137689066
Longitude: -75.711535183995
Y: 45.294313762367246
X: -75.71153502259756

Bore Hole Information

Bore Hole ID: 1008171634
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/18/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83: 444208.00
North83: 5015892.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

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22 | **1 of 1** | **SE/100.5** | **87.7 / -1.15** | **Leiken Drive, Ottawa ON** | **EHS**

Order No: 20150302018
Status: C
Report Type: Custom Report
Report Date: 06-MAR-15
Date Received: 02-MAR-15
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.708049
Y: 45.296427

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23 | **1 of 1** | **SW/137.0** | **88.7 / -0.20** | **City of Ottawa, Part of Lots 18 & 19, Concession 1, Rideau Front, Ottawa ON K2G 6J8** | **ECA**

Approval No: 6981-7SHQNB
Approval Date: 2009-06-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: City of Ottawa
Address: Part of Lots 18 & 19, Concession 1, Rideau Front
Full Address:
MOE District: Ottawa
City:
Longitude: -75.71520000000001
Latitude: 45.2946
Geometry X:
Geometry Y:

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

Full PDF Link:
PDF Site Location:

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24 **1 of 1** **ENE/138.0** **82.9 / -6.00** **PRINCE OF WALES**
Ottawa ON **WWIS**

Well ID:	7181888	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Test Hole	**Date Received:**	05/31/2012
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z148836	**Contractor:**	7323
Tag:	A117183	**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:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7181888.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/02/2012
Year Completed:	2012
Depth (m):	2.1336
Latitude:	45.3009672786305
Longitude:	-75.7040420237707
X:	-75.70404186232219
Y:	45.30096727177002
Path:	718\7181888.pdf

Bore Hole Information

Bore Hole ID:	1003835009	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	444802.00
Code OB Desc:		**North83:**	5016626.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	05/02/2012	**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: 1004328133
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3: 91
Material 3 Desc: WATER-BEARING
Formation Top Depth: 0.0
Formation End Depth: 7.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004328141
Layer: 1
Plug From: 0.0
Plug To: 1.5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004328142
Layer: 2
Plug From: 1.5
Plug To: 7.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1004328143
Layer: 3
Plug From:
Plug To:
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1004328140
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 1004328132
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004328136
Layer: 1

Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	2.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004328137
Layer:	1
Slot:	.10
Screen Top Depth:	2.0
Screen End Depth:	7.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Water Details

Water ID:	1004328135
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1004328134
Diameter:	8.0
Depth From:	0.0
Depth To:	7.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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25 | ***1 of 1*** | ***E/141.9*** | ***82.9 / -6.00*** | ***lot 18 con 1 ON*** | ***WWIS***

Well ID:	1504703	**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:**	07/05/1955
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3701
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	018
Depth to Bedrock:		**Concession:**	01
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504703.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/11/1954
Year Completed: 1954
Depth (m): 18.8976
Latitude: 45.2994890840651
Longitude: -75.7043591727871
X: -75.70435901165466
Y: 45.299489077255124
Path: 150\1504703.pdf

Bore Hole Information

Bore Hole ID: 10026746
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/11/1954
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 444775.70
North83: 5016462.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
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:

Overburden and Bedrock Materials Interval

Formation ID: 931000213
Layer: 1
Color:
General Color:
Material 1: 06
Material 1 Desc: SILT
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931000214
Layer: 2
Color:
General Color:
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:

Formation Top Depth:	5.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931000215
Layer:	3
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	62.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961504703
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10575316
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930046223
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	62.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991504703
Pump Set At:	
Static Level:	30.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	
Pumping Rate:	3.0
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:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933458010
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	62.0
Water Found Depth UOM:	ft

26 ***1 of 1*** ***E/141.9*** ***82.9 / -6.00*** ***ON*** ***BORE***

Borehole ID:	612148	**Inclin FLG:**	No
OGF ID:	215513457	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	NOV-1954	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.29949
Total Depth m:	18.9	**Longitude DD:**	-75.704359
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	444776
Drill Method:		**Northing:**	5016462
Orig Ground Elev m:	89.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	90		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218390189	**Mat Consistency:**	Hard
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	18.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	HARDPAN,BOULDERS.		

Geology Stratum ID:	218390190	**Mat Consistency:**	
Top Depth:	18.3	**Material Moisture:**	
Bottom Depth:	18.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL. 00062IFIED. SEISMIC VELOCITY = 6000. BEDROCK. SEISMIC VELOCITY = 14000. BEDROCK.		

Geology Stratum ID:	218390188	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04656 NTS_Sheet:		
Confiden 1:			

Source List

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

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27 | ***1 of 1*** | ***SE/152.1*** | ***88.9 / 0.00*** | ***88 Prom. Leikin Dr Nepean ON K2G*** | ***EHS***

Order No:	21111700343	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	22-NOV-21	**Search Radius (km):**	.25
Date Received:	17-NOV-21	**X:**	-75.7083803
Previous Site Name:		**Y:**	45.2958811
Lot/Building Size:			
Additional Info Ordered:			

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28 | ***1 of 1*** | ***SSE/152.5*** | ***90.4 / 1.53*** | ***Site 2 Bill Leathem Drive Ottawa ON K2G*** | ***EHS***

Order No:	20190403036	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	09-APR-19	**Search Radius (km):**	.25
Date Received:	03-APR-19	**X:**	-75.710205
Previous Site Name:		**Y:**	45.294764
Lot/Building Size:			
Additional Info Ordered:	City Directory		

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29 | ***1 of 2*** | ***SE/156.0*** | ***88.8 / -0.08*** | ***Canada Post Corporation 50 Leikin Drive Ottawa, ON Canada ON*** | ***EBR***

EBR Registry No:	019-7635	**Decision Posted:**	November 29, 2023

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

Ministry Ref No:	5760-CUYLHP	**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:	September 18, 2023	**Site Location Map:**	45.29654,-75.70805
Year:	2023		
Instrument Type:	Environmental Compliance Approval (sewage)		
Off Instrument Name:	Environmental Compliance Approval (sewage) (OWRA s.53)		
Posted By:	Ministry of the Environment, Conservation and Parks		
Company Name:			
Site Address:	50 Leikin Drive Ottawa, ON Canada		
Location Other:			
Proponent Name:	Canada Post Corporation		
Proponent Address:	Canada Post Corporation 2701 Riverside Drive Ottawa, ON K1A 0B1 Canada		
Comment Period:	September 18, 2023 - November 2, 2023 (45 days) Closed		
URL:	https://ero.ontario.ca/notice/019-7635		

Site Location Details:

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29 | ***2 of 2*** | ***SE/156.0*** | ***88.8 / -0.08*** | ***Canada Post Corporation
50 Leikin Dr
Ottawa ON K1A 0B1*** | ***ECA***

Approval No:	4640-CWWN6R	**MOE District:**	Ottawa
Approval Date:	November 28, 2023	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	-8427606.8033999987
SWP Area Name:	Rideau Valley	**Geometry Y:**	5668255.8649000004
Approval Type:	ECA-INDUSTRIAL SEWAGE WORKS		
Project Type:	INDUSTRIAL SEWAGE WORKS		
Business Name:	Canada Post Corporation		
Address:	50 Leikin Dr		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5760-CUYLHP-14.pdf		
PDF Site Location:	50 Leikin Drive City of Ottawa, ON K2S 1B9		

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30 | ***1 of 1*** | ***E/173.2*** | ***83.0 / -5.92*** | ***2876 PRINCE OF WALES DR. lot 19 con A NEPAEN ON*** | ***WWIS***

Well ID:	1534771	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Abandoned-Other	**Date Received:**	07/08/2004
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z14548	**Contractor:**	1119
Tag:	A014574	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	019
Depth to Bedrock:		**Concession:**	A

Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534771.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/24/2004
Year Completed:	2004
Depth (m):	23.8
Latitude:	45.3000032526468
Longitude:	-75.7041831479709
X:	-75.70418298678963
Y:	45.300003246072514
Path:	153\1534771.pdf

Bore Hole Information

Bore Hole ID:	11172523	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	444790.00
Code OB Desc:		**North83:**	5016519.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	06/24/2004	**UTMRC Desc:**	margin of error : 10 - 30 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:	932968109
Layer:	1
Color:	
General Color:	
Material 1:	
Material 1 Desc:	
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	23.799999237060547
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933252941
Layer:	1

Plug From: 23.799999237060547
Plug To: 0.0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 961534771
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11181042
Casing No: 1
Comment:
Alt Name:

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31 | **1 of 1** | **ENE/173.7** | **83.0 / -5.92** | **lot 19 con A ON** | **WWIS**

Well ID: 1513688
Construction Date:
Use 1st: Livestock
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: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/14/1974
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3504
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 019
Concession: A
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513688.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/28/1973
Year Completed: 1973
Depth (m): 24.9936
Latitude: 45.3004357378502
Longitude: -75.7041157998085
X: -75.70411563828195
Y: 45.3004357309786
Path: 151\1513688.pdf

Bore Hole Information

Bore Hole ID: 10035670
DP2BR:
Spatial Status:
Code OB:

Elevation:
Elevrc:
Zone: 18
East83: 444795.70

Code OB Desc:		**North83:**	5016567.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	11/28/1973	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6

Location Method Desc: Original Pre1985 UTM Rel Code 6: margin of error : 300 m - 1 km
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931024189
Layer: 3
Color:
General Color:
Material 1: 26
Material 1 Desc: ROCK
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 68.0
Formation End Depth: 82.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931024187
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931024188
Layer: 2
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933108808
Layer:	1
Plug From:	11.0
Plug To:	14.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513688
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10584240
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930063091
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	69.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991513688
Pump Set At:	
Static Level:	27.0
Final Level After Pumping:	32.0
Recommended Pump Depth:	50.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934099477
Test Type:	Recovery

Test Duration: 15
Test Level: 27.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934898183
Test Type: Recovery
Test Duration: 60
Test Level: 27.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934379716
Test Type: Recovery
Test Duration: 30
Test Level: 27.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934640709
Test Type: Recovery
Test Duration: 45
Test Level: 27.0
Test Level UOM: ft

Water Details

Water ID: 933469352
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 78.0
Water Found Depth UOM: ft

Water Details

Water ID: 933469353
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 82.0
Water Found Depth UOM: ft

32	1 of 1	E/194.5	82.9 / -5.95	lot 18 con A ON	WWIS

Well ID: 1515468
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:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/08/1976
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018

Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515468.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/22/1976
Year Completed:	1976
Depth (m):	25.6032
Latitude:	45.2991242975551
Longitude:	-75.7036659163632
X:	-75.70366575416244
Y:	45.29912429105317
Path:	151\1515468.pdf

Bore Hole Information

Bore Hole ID:	10037415	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	444829.70
Code OB Desc:		**North83:**	5016421.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/22/1976	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	931029256
Layer:	1
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931029257

Layer:	2
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	61.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931029258
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:	61.0
Formation End Depth:	74.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931029259
Layer:	4
Color:	1
General Color:	WHITE
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	74.0
Formation End Depth:	84.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961515468
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10585985
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930066019
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	63.0
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:	991515468
Pump Set At:	
Static Level:	25.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	50.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934100947
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934646886
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934377011
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934896011
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0

Test Level UOM: ft

Water Details

Water ID: 933471568
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 82.0
Water Found Depth UOM: ft

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33 ***1 of 3*** ***SSE/248.2*** ***90.0 / 1.08*** ***JDS Uniphase Inc.***
15 Bill Leathem Drive Ottawa CITY OF OTTAWA
ON ***EBR***

EBR Registry No: 010-0780
Ministry Ref No: 1728-73PKJ5
Notice Type: Instrument Decision
Notice Stage:
Notice Date: November 13, 2007
Proposal Date: June 08, 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: JDS Uniphase Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 300 Merivale Road, Ottawa Ontario, Canada K2G 5W8
Comment Period:
URL:

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

Site Location Details:

15 Bill Leathem Drive Ottawa CITY OF OTTAWA

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33 ***2 of 3*** ***SSE/248.2*** ***90.0 / 1.08*** ***JDS Uniphase Inc.***
15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA
ON ***EBR***

EBR Registry No: 011-3348
Ministry Ref No: 2549-8FFSEY
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 23, 2013
Proposal Date: April 26, 2011
Year: 2011
Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Off Instrument Name:
Posted By:
Company Name: JDS Uniphase Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 61 Bill Leathem Drive, Ottawa Ontario, Canada K2J 0P7
Comment Period:
URL:

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

Site Location Details:

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

15 Bill Leathem Drive Ottawa K2J 0P7 CITY OF OTTAWA

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33 | **3 of 3** | **SSE/248.2** | **90.0 / 1.08** | **JDS Uniphase Inc.**
15 Bill Leathem Dr
Ottawa ON K2G 5W8 | **ECA**

Approval No:	9682-78NHMB	**MOE District:**	
Approval Date:	2007-11-05	**City:**	
Status:	Revoked and/or Replaced	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-AIR
Project Type: AIR
Business Name: JDS Uniphase Inc.
Address: 15 Bill Leathem Dr
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1728-73PKJ5-13.pdf
PDF Site Location:

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34 | **1 of 7** | **ESE/269.7** | **84.9 / -4.00** | **PUBLIC WORKS GOVERNMENT SERVICES CANADA**
73 LEIKIN DR SUITE M1-0-911
OTTAWA ON | **CFOT**

Inventory No:	64713706	**Tank Material:**	Fiberglass (FRP)
Inventory Status:	Active	**Corrosion Protect:**	
Installation Year:	2012	**Overfill Protection:**	
Capacity:	5000	**Inventory Context:**	FS Fuel Oil Tank
Capacity Unit:		**Inventory Item:**	FS FUEL OIL TANK
Tank Type:			
Manufacturer:			

Model: P40DW
Description:

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34 | **2 of 7** | **ESE/269.7** | **84.9 / -4.00** | **Royal Canadian Mounted Police**
73 Leikin Drive
Ottawa ON K1A 0R2 | **GEN**

Generator No: ON9360242
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 312 P
Waste Class Name: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
34	3 of 7	ESE/269.7	84.9 / -4.00	73 Leikin Ottawa ON	FRST

Tank System ID:	54662	**Tank Sys Prov F:**	Ontario
EC No:	25808	**Tank Sys PO BOX:**	
Internal No:		**Tank Sys Postal Cd:**	
Is Perm Withdrwl:	FALSE	**Sys Record City:**	
Removed Date:		**Sys Record Prov E:**	
Withdrawn Date:		**Sys Record Prov F:**	
Temp Withdrawn Dt:		**Sys Record PO BOX:**	
Tank Use E:	Power Generation	**Sys Rec Postal Cd:**	
Tank Use F:	Production d'énergie	**System Rec Same as:**	TRUE
Year of Manufact:	01-Jan-2012 00:00:00	**Location Latitude:**	
Emerg Plan Same as:	TRUE	**Location Longitude:**	
Operator Contact:		**Creation Date:**	04-Sep-2012 00:00:00
Owner Contact:		**Creation By:**	Alexandra Hallman
Tank System City:	Ottawa	**Modified Date:**	12-Aug-2020 00:00:00
Tank Sys Prov E:	Ontario	**Modified By:**	

Tank Use: Emergency generator
Tank Manufacturer: Convault
Tank System Address: 73 Leikin
Sys Record Address:
System Descr: Tank system consists of 3 tanks: one outdoors AST and two day tanks, located at 73 Leikin Drive, Ottawa (RCMP).
Certification System Installer:
Certification System Remover:
Group Name:
Master Group Name:
Owner Email:
Operator Email:
Land Owner E: Federal entity under Financial Administration Act
Land Owner F: Entité fédérale sous la loi sur la gestion des finances publiques

Service Months

Service Months E: January
Service Months F: Janvier

Service Months E: February
Service Months F: Février

Service Months E: October
Service Months F: Octobre

Service Months E: August
Service Months F: Août

Service Months E: May
Service Months F: Mai

Service Months E: November
Service Months F: Novembre

Service Months E: December
Service Months F: Décembre

Service Months E: September
Service Months F: Septembre

Service Months E: March
Service Months F: Mars

Service Months E: July
Service Months F: Juillet

Service Months E: June

Service Months F: Juin

Service Months E: April
Service Months F: Avril

Tanks Details

Tank ID: 90470
Tank Capacity: 454
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install: 2010
Date Withdrawn Tk:
Date Removed Tank:
Tank Desc: Day tank #1
Tank Stdd No E: ULC-S601
Tank Std No F: ULC-S601
Tank Std No Other:
Tank Constr Material E: Steel
Tank Constr Material F: Acier
Tank Constr Material Other:
Internal No:
Tank Content E: Diesel
Tank Content F: Diesel
Tank Content Other:
Piping Diameter: 25-150
Spill Containment E: None
Spill Containment F: Aucun
Spill Containment Other:
Product Transfer Area: Not applicable due to configuration
Date Wthdrwn Other Component:
Date Removed Other Component:

Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: No oil-water separator
Tk Type of Pump F: Aucun Séparateur huile-eau
Piping Type E: Aboveground
Piping Type F: Hors sol
Piping Diam Unit: mm

Piping Construction Materials

Component E: Black Iron
Component F: Fer noir
Other:

Piping Secondary Containment

Tank ID: 90470
Component E: None
Component F: Aucun
Other:

Tank Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Piping Corrosion Protection

Component E: None
Component F: Aucune
Other:

Tank Leak Detection

Component E: Interstitial monitoring – double walled tank
Component F: Surveillance interstitielle- réservoir à double paroi
Other:

Piping Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill ball float valve
Component F: Dispositif antidébordement à bille flottante
Other:

Tanks Details

Tank ID:	90469	***Dt Wthdrwn Piping:***	
Tank Capacity:	13000	***Date Remvd Piping:***	
Tank Type E:	Aboveground	***Tk Type of Pump E:***	No oil-water separator
Tank Type F:	Hors sol	***Tk Type of Pump F:***	Aucun Séparateur huile-eau
Date of Install:	2012	***Piping Type E:***	Aboveground
Date Withdrawn Tk:		***Piping Type F:***	Hors sol
Date Removed Tank:		***Piping Diam Unit:***	mm

Tank Desc: Main tank - aboveground, concrete encased, north side of building, in a fenced off area.
Tank Stdd No E: ULC-S655
Tank Std No F: ULC-S655
Tank Std No Other:
Tank Constr Material E: Concrete-encased steel
Tank Constr Material F: Acier revêtu de béton
Tank Constr Material Other:
Internal No:
Tank Content E: Diesel
Tank Content F: Diesel
Tank Content Other:
Piping Diameter: 25-150
Spill Containment E: Devices for Aboveground Tanks (ORD-C142.19)
Spill Containment F: Réservoir hors sol (ORD-C142.19)
Spill Containment Other:
Product Transfer Area: Located on concrete pad with fill&vent line over concrete berm area leading to asphalt drive Ground cover is gravel,pavement&lawn PTA solution for STS uses permanent&temporary measures installed when fuel delivered Spill kit moved to PTA from M1 fenced area Manhole nearby covered with drain cover Secondary containment perm installed under fill port&truck hose Personnel in attendance during refuel follow site specific fuel transfer SOP STS has spill containment device&overfill alarm&auto shutoff
Date Wthdrwn Other Component:
Date Removed Other Component:

Piping Construction Materials

Component E: Black Iron
Component F: Fer noir
Other:

Piping Secondary Containment

Tank ID: 90469
Component E: None
Component F: Aucun
Other:

Tank Corrosion Protection

Component E: Non-corroding material
Component F: Matériel non-corrosif
Other:

Piping Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Tank Leak Detection

Component E: Interstitial monitoring – double walled tank
Component F: Surveillance interstitielle- réservoir à double paroi
Other:

Tank Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Piping Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Concrete-encased steel assembly
Component F: Réservoir en acier revêtu de béton
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

Tank Overflow Protection

Component E: Method – trained personnel in attendance at all times
Component F: Méthode - Personels qualifiés présents en tout temps
Other:

Tanks Details

Tank ID: 90471
Tank Capacity: 454
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install: 2010
Date Withdrawn Tk:
Date Removed Tank:
Tank Desc: Day tank #3
Tank Stdd No E: ULC-S601
Tank Std No F: ULC-S601
Tank Std No Other:
Tank Constr Material E: Steel
Tank Constr Material F: Acier
Tank Constr Material Other:
Internal No:
Tank Content E: Diesel
Tank Content F: Diesel
Tank Content Other:
Piping Diameter: 25-150
Spill Containment E: None
Spill Containment F: Aucun
Spill Containment Other:
Product Transfer Area: Not applicable due to configuration
Date Wthdrwn Other Component:
Date Removed Other Component:

Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: No oil-water separator
Tk Type of Pump F: Aucun Séparateur huile-eau
Piping Type E: Aboveground
Piping Type F: Hors sol
Piping Diam Unit: mm

Piping Construction Materials

Component E: Black Iron
Component F: Fer noir
Other:

Piping Secondary Containment

Tank ID: 90471
Component E: None
Component F: Aucun
Other:

Tank Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Piping Corrosion Protection

Component E: None
Component F: Aucune
Other:

Tank Leak Detection

Component E: Interstitial monitoring – double walled tank
Component F: Surveillance interstitielle- réservoir à double paroi
Other:

Piping Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill ball float valve
Component F: Dispositif antidébordement à bille flottante
Other:

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34 | ***4 of 7*** | ***ESE/269.7*** | ***84.9 / -4.00*** | ***73 Leikin Drive Ottawa ON*** | ***FRST***

Tank System ID:	54026	***Tank Sys Prov F:***	Ontario
EC No:	19722	***Tank Sys PO BOX:***	
Internal No:	03-N-000-144-01	***Tank Sys Postal Cd:***	
Is Perm Withdrwl:	FALSE	***Sys Record City:***	
Removed Date:		***Sys Record Prov E:***	
Withdrawn Date:		***Sys Record Prov F:***	
Temp Withdrawn Dt:		***Sys Record PO BOX:***	
Tank Use E:	Power Generation	***Sys Rec Postal Cd:***	
Tank Use F:	Production d'énergie	***System Rec Same as:***	TRUE
Year of Manufact:	01-Jan-2009 00:00:00	***Location Latitude:***	
Emerg Plan Same as:	TRUE	***Location Longitude:***	
Operator Contact:		***Creation Date:***	16-Jun-2011 00:00:00
Owner Contact:		***Creation By:***	Tina Butter
Tank System City:	Ottawa	***Modified Date:***	02-Mar-2020 00:00:00
Tank Sys Prov E:	Ontario	***Modified By:***	

Tank Use: Supply generator
Tank Manufacturer: Main tank -Core Engineering Solutions Day tank - DTE Industries Ltd
Tank System Address: 73 Leikin Drive
Sys Record Address:
System Descr: ON-Ottawa 73 Leikin Drive; 8735 L total capacity; diesel; tank #1 concrete encased aboveground storage tank; 7600 L capacity; tank #2 aboveground storage tank on roof; 1135 L capacity
Certification System Installer:
Certification System Remover:

Group Name:
Master Group Name:
Owner Email:
Operator Email:
Land Owner E: Federal entity under Financial Administration Act
Land Owner F: Entité fédérale sous la loi sur la gestion des finances publiques

Service Months

Service Months E: February
Service Months F: Février

Service Months E: September
Service Months F: Septembre

Service Months E: November
Service Months F: Novembre

Service Months E: January
Service Months F: Janvier

Service Months E: August
Service Months F: Août

Service Months E: December
Service Months F: Décembre

Service Months E: May
Service Months F: Mai

Service Months E: April
Service Months F: Avril

Service Months E: October
Service Months F: Octobre

Service Months E: March
Service Months F: Mars

Service Months E: June
Service Months F: Juin

Service Months E: July
Service Months F: Juillet

Tanks Details

Tank ID: 89566
Tank Capacity: 8635
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install: 2009
Date Withdrawn Tk:
Date Removed Tank:
Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: No pump
Tk Type of Pump F: Aucune pompe
Piping Type E: Aboveground
Piping Type F: Hors sol
Piping Diam Unit: mm
Tank Desc: ON-Ottawa 73 Leikin Drive; 8735 L total capacity; diesel; tank #1 concrete encased aboveground storage tank; 7600 L capacity; tank #2 aboveground storage tank on roof; 1135 L capacity
Tank Stdd No E: ULC-S655
Tank Std No F: ULC-S655
Tank Std No Other:
Tank Constr Material E: Concrete-encased steel
Tank Constr Material F: Acier revêtu de béton
Tank Constr Material Other:
Internal No: 03-N-000-144-01
Tank Content E: Diesel

Tank Content F:	Diesel
Tank Content Other:	
Piping Diameter:	25; 38
Spill Containment E:	Devices for Aboveground Tanks (ORD-C142.19)
Spill Containment F:	Réservoir hors sol (ORD-C142.19)
Spill Containment Other:	
Product Transfer Area:	Fill point has a spill box and is located over a concrete bermed area inside a fenced enclosure. Spill control materials, drain cover and spill absorption mat available for deployment during fuel transfer.
Date Wthdrwn Other Component:	
Date Removed Other Component:	

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Piping Secondary Containment

Tank ID:	89566
Component E:	None
Component F:	Aucun
Other:	

Tank Corrosion Protection

Component E:	Non-corroding material
Component F:	Matériel non-corrosif
Other:	

Piping Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Tank Leak Detection

Component E:	Continuous leak detection
Component F:	Essai d'étanchéité interne en continu
Other:	

Tank Leak Detection

Component E:	Visual inspection
Component F:	Inspection visuelle
Other:	

Piping Leak Detection

Component E:	Visual inspection
Component F:	Inspection visuelle
Other:	

Sump Leak Detection

Component E:	No sump for storage tank system

Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Concrete-encased steel assembly
Component F: Réservoir en acier revêtu de béton
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

Tanks Details

Tank ID: 89567
Tank Capacity: 1135
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install: 2009
Date Withdrawn Tk:
Date Removed Tank:
Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: No pump
Tk Type of Pump F: Aucune pompe
Piping Type E: Aboveground
Piping Type F: Hors sol
Piping Diam Unit: mm
Tank Desc: AST 1135 L Diesel Day Tank on Roof 73 Leikin
Tank Stdd No E: ULC-S602
Tank Std No F: ULC-S602
Tank Std No Other:
Tank Constr Material E: Steel
Tank Constr Material F: Acier
Tank Constr Material Other:
Internal No: 03-N-000-144-02
Tank Content E: Diesel
Tank Content F: Diesel
Tank Content Other:
Piping Diameter: 25; 38
Spill Containment E: None
Spill Containment F: Aucun
Spill Containment Other:
Product Transfer Area: N/A
Date Wthdrwn Other Component:
Date Removed Other Component:

Piping Construction Materials

Component E: Steel
Component F: Acier
Other:

Piping Secondary Containment

Tank ID: 89567
Component E: None
Component F: Aucun
Other:

Tank Corrosion Protection

Component E: Painted

Component F: Peinturé
Other:

Piping Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Tank Leak Detection

Component E: Interstitial monitoring – double walled tank
Component F: Surveillance interstitielle- réservoir à double paroi
Other:

Tank Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Piping Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

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34 | ***5 of 7*** | ***ESE/269.7*** | ***84.9 / -4.00*** | ***73 Leikin Drive Ottawa ON*** | ***FRST***

Tank System ID:	54665	***Tank Sys Prov F:***	Ontario
EC No:	25807	***Tank Sys PO BOX:***	
Internal No:		***Tank Sys Postal Cd:***	
Is Perm Withdrwl:	FALSE	***Sys Record City:***	
Removed Date:		***Sys Record Prov E:***	
Withdrawn Date:		***Sys Record Prov F:***	
Temp Withdrawn Dt:		***Sys Record PO BOX:***	
Tank Use E:	Power Generation	***Sys Rec Postal Cd:***	
Tank Use F:	Production d'énergie	***System Rec Same as:***	TRUE
Year of Manufact:	01-Jan-2012 00:00:00	***Location Latitude:***	
Emerg Plan Same as:	TRUE	***Location Longitude:***	

Operator Contact:		**Creation Date:**	04-Sep-2012 00:00:00
Owner Contact:		**Creation By:**	Alexandra Hallman
Tank System City:	Ottawa	**Modified Date:**	12-Aug-2020 00:00:00
Tank Sys Prov E:	Ontario	**Modified By:**	

Tank Use: generator
Tank Manufacturer: ZCL
Tank System Address: 73 Leikin Drive
Sys Record Address:
System Descr: Tank system consists of 2 tanks: one underground reinforced plastic and one day tank, located at 73 Leikin Drive, Ottawa, (RCMP).
Certification System Installer:
Certification System Remover:
Group Name:
Master Group Name:
Owner Email:
Operator Email:
Land Owner E: Federal entity under Financial Administration Act
Land Owner F: Entité fédérale sous la loi sur la gestion des finances publiques

Service Months

Service Months E: February
Service Months F: Février

Service Months E: July
Service Months F: Juillet

Service Months E: September
Service Months F: Septembre

Service Months E: December
Service Months F: Décembre

Service Months E: May
Service Months F: Mai

Service Months E: March
Service Months F: Mars

Service Months E: October
Service Months F: Octobre

Service Months E: January
Service Months F: Janvier

Service Months E: April
Service Months F: Avril

Service Months E: June
Service Months F: Juin

Service Months E: August
Service Months F: Août

Service Months E: November
Service Months F: Novembre

Tanks Details

Tank ID:	90476	**Dt Wthdrwn Piping:**	
Tank Capacity:	458	**Date Remvd Piping:**	
Tank Type E:	Aboveground	**Tk Type of Pump E:**	No pump
Tank Type F:	Hors sol	**Tk Type of Pump F:**	Aucune pompe
Date of Install:	2010	**Piping Type E:**	Aboveground

Date Withdrawn Tk:		***Piping Type F:***	Hors sol
Date Removed Tank:		***Piping Diam Unit:***	mm
Tank Desc:	Day tank - connected to genset.		
Tank Stdd No E:	ULC-S630 (withdrawn and superseded by S601)		
Tank Std No F:	ULC-S630 (retiré et remplacé par S601)		
Tank Std No Other:			
Tank Constr Material E:	Steel		
Tank Constr Material F:	Acier		
Tank Constr Material Other:			
Internal No:			
Tank Content E:	Diesel		
Tank Content F:	Diesel		
Tank Content Other:			
Piping Diameter:	25-150		
Spill Containment E:	None		
Spill Containment F:	Aucun		
Spill Containment Other:			
Product Transfer Area:	Not applicable due to configuration		
Date Wthdrwn Other Component:			
Date Removed Other Component:			

Piping Construction Materials

Component E:	Black Iron
Component F:	Fer noir
Other:	

Piping Secondary Containment

Tank ID:	90476
Component E:	None
Component F:	Aucun
Other:	

Tank Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Piping Corrosion Protection

Component E:	None
Component F:	Aucune
Other:	

Tank Leak Detection

Component E:	Interstitial monitoring – double walled tank
Component F:	Surveillance interstitielle- réservoir à double paroi
Other:	

Tank Leak Detection

Component E:	Automatic tank gauging
Component F:	Jaugeage automatique
Other:	

Piping Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill ball float valve
Component F: Dispositif antidébordement à bille flottante
Other:

Tanks Details

Tank ID: 90475
Tank Capacity: 5000
Tank Type E: Underground
Tank Type F: Souterrain
Date of Install: 2012
Date Withdrawn Tk:
Date Removed Tank:
Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: No pump
Tk Type of Pump F: Aucune pompe
Piping Type E: Underground
Piping Type F: Souterrain
Piping Diam Unit: mm
Tank Desc: Main tank - underground tank, west of building.
Tank Stdd No E: ULC-S615
Tank Std No F: ULC-S615
Tank Std No Other:
Tank Constr Material E: Fiberglass reinforced plastic (including thermoset tank)
Tank Constr Material F: Plastique renforcé de fibres de verre (incluant réservoir thermoset)
Tank Constr Material Other:
Internal No:
Tank Content E: Diesel
Tank Content F: Diesel
Tank Content Other:
Piping Diameter: 25-150
Spill Containment E: Devices for Underground Tanks (ORD-C58.19)
Spill Containment F: Réservoir souterrain(ORD-C58.19)
Spill Containment Other:
Product Transfer Area: PTA solution for fuel tank system uses permanent&temporary measures installed when fuel is delivered. Spill kit located within PTA. Before fuel transfer manholes covered nearby with drain covers and portable secondary containment berm installed under fill point to curb and under pipe connection. Personnel in constant attendance during refueling, follow site specific fuel transfer SOP. System equipped with spill containment device, overfill alarm, overfill automatic shutoff
Date Wthdrwn Other Component:
Date Removed Other Component:

Piping Construction Materials

Component E: Non-metallic thermoplastic
Component F: Thermoplastique non métallique

Other:

Piping Secondary Containment

Tank ID: 90475
Component E: Double Walled
Component F: Double paroi
Other:

Tank Corrosion Protection

Component E: Non-corroding material
Component F: Matériel non-corrosif
Other:

Piping Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Tank Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Piping Leak Detection

Component E: Continuous external leak monitoring (Sensor cable system)
Component F: Surveillance externe et en continu de l'étanchéité
Other:

Sump Leak Detection

Component E: Static liquid media leak detection test
Component F: Essai d'étanchéité sous pression statique d'un liquide
Other:

Sump Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Method – trained personnel in attendance at all times
Component F: Méthode - Personels qualifiés présents en tout temps
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

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34 | ***6 of 7*** | ***ESE/269.7*** | ***84.9 / -4.00*** | ***73 Leikin Drive Ottawa ON*** | ***FRST***

Tank System ID:	54588	***Tank Sys Prov F:***	Ontario
EC No:	54567	***Tank Sys PO BOX:***	
Internal No:		***Tank Sys Postal Cd:***	
Is Perm Withdrwl:	FALSE	***Sys Record City:***	
Removed Date:		***Sys Record Prov E:***	
Withdrawn Date:		***Sys Record Prov F:***	
Temp Withdrawn Dt:		***Sys Record PO BOX:***	
Tank Use E:		***Sys Rec Postal Cd:***	
Tank Use F:		***System Rec Same as:***	TRUE
Year of Manufact:	01-Jan-2019 00:00:00	***Location Latitude:***	
Emerg Plan Same as:	TRUE	***Location Longitude:***	
Operator Contact:		***Creation Date:***	21-Jul-2020 00:00:00
Owner Contact:		***Creation By:***	Alexandra Hallman
Tank System City:	Ottawa	***Modified Date:***	23-Jul-2020 00:00:00
Tank Sys Prov E:	Ontario	***Modified By:***	
Tank Use:			

Tank Manufacturer: Vibra-Sil
Tank System Address: 73 Leikin Drive
Sys Record Address:
System Descr: M9 Generator - 73 Leikin Drive, Ottawa, Ontario.
Certification System Installer: 749171
Certification System Remover:
Group Name:
Master Group Name:
Owner Email:
Operator Email:
Land Owner E:
Land Owner F:

Service Months

Service Months E: June
Service Months F: Juin

Service Months E: August
Service Months F: Août

Service Months E: July
Service Months F: Juillet

Service Months E: November
Service Months F: Novembre

Service Months E: May
Service Months F: Mai

Service Months E: February
Service Months F: Février

Service Months E: January
Service Months F: Janvier

Service Months E: October
Service Months F: Octobre

Service Months E: September
Service Months F: Septembre

Service Months E: December
Service Months F: Décembre

Service Months E: March
Service Months F: Mars

Service Months E: April
Service Months F: Avril

Tanks Details

Tank ID: 90375
Tank Capacity: 26119
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install: 2019
Date Withdrawn Tk:
Date Removed Tank:
Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: No pump
Tk Type of Pump F: Aucune pompe
Piping Type E: Aboveground
Piping Type F: Hors sol
Piping Diam Unit: inch
Tank Desc: Outdoor, aboveground horizontal sub-base tank.
Tank Stdd No E: ULC-S601
Tank Std No F: ULC-S601
Tank Std No Other:
Tank Constr Material E: Steel
Tank Constr Material F: Acier
Tank Constr Material Other:
Internal No:
Tank Content E: Diesel
Tank Content F: Diesel
Tank Content Other:
Piping Diameter: 1;2
Spill Containment E: Aboveground tank ULC-S663 (superses ORD-C142.19)
Spill Containment F: Réservoir hors sol ULC S663 (remplace ORD-C142.19)
Spill Containment Other:
Product Transfer Area: Tank is located on concrete pad, surrounded by 3 sided curb, concrete pad slopes to asphalt loading bay (minor cracking).Spill kit moved to PTA for fuel transfer, 2 drain covers place on man hole at loading bay.Fill line has overfill prevention valve, audio and visual overfill alarm at fill point. ULC fill container at fill connection.
Date Wthdrwn Other Component:
Date Removed Other Component:

Piping Construction Materials

Component E: Polyethylene
Component F: Polyéthylène
Other:

Piping Construction Materials

Component E: Steel
Component F: Acier
Other:

Piping Secondary Containment

Tank ID: 90375
Component E: None
Component F: Aucun
Other:

Tank Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Piping Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Tank Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Tank Leak Detection

Component E: Interstitial monitoring – double walled tank
Component F: Surveillance interstitielle- réservoir à double paroi
Other:

Tank Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Piping Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

Tank Overflow Protection

Component E: Other (specify)
Component F: Autre (spécifiez)
Other: CAN/ULC-S661

Tank Overflow Protection

Component E: Method – trained personnel in attendance at all times
Component F: Méthode - Personels qualifiés présents en tout temps
Other:

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34 | ***7 of 7*** | ***ESE/269.7*** | ***84.9 / -4.00*** | ***73 Leiken Drive Nepean ON K2G*** | ***EHS***

Order No: 21021200162
Status: C
Report Type: Custom Report
Report Date: 18-FEB-21
Date Received: 12-FEB-21
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.71330769
Y: 45.29781248

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35 | ***1 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***CONTRACTOR 3000 MERIVALE RD AT HWY 16- CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON*** | ***SPL***

Ref No: 152313
Year:
Incident Dt: 2/10/1998
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/11/1998
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Preceding Spill:
Environment Impact: POSSIBLE
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:

Municipality No: 20101
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: ERROR
Incident Summary: GEODEX CONSTRUCTION-5L OF MOTOR OIL TO GROUND.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

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35 | ***2 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***JDS FITEL (UNIPHASE) INC.***
3000 MERIVALE RD, PARKING LOT 3000
MERIVALE RD NEPEAN ON
NEPEAN CITY ON | ***SPL***

Ref No: 179071
Year:
Incident Dt: 3/28/2000
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/31/2000
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: NEPEAN CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: OTHER CONTAINER LEAK
Incident Preceding Spill:
Environment Impact: POSSIBLE
Health Env Consequence:
Nature of Impact: Water course or lake
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: ERROR
Incident Summary: JDS UNIPHASE-4L METHYLENECHLORIDE TO PVMT,POSSIBLEC-BASIN.TO CHECK/PUMP.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Municipality No: 20104
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
35	3 of 37	ESE/284.7	84.9 / -4.00	JDS UNIPHASE INC. 3000 MERIVALE ROAD NEPEAN CITY ON	CA

Certificate #: 8-4255-99-
Application Year: 99
Issue Date: //
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: BOILERS, CLEANING TANK, STANDBY POWER
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	4 of 37	ESE/284.7	84.9 / -4.00	3000 Merivale Road Nepean ON	CA

Certificate #: 1464-4VGSD5
Application Year: 01
Issue Date: 4/10/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: JDS Uniphase Inc.
Client Address: 570 West Hunt Club Road
Client City: Nepean
Client Postal Code: K2G 5W8
Project Description: Installation of three natural gas boilers for heating water exhausting from a common 0.5m diameter stack and one natural gas boiler for steam production. One 0.1 diameter muffler, 6m above ground, discharging the exhaust from a 355 kw emergency diesel generator located approximately 5m from the main building housed in its own weather proof structure. Two 1.56m diameter stacks located on the roof, discharging the production exhaust from all localized exhaust systems in the clean rooms, packing and sealing room, oven rooms and research lab. Only one production exhaust stack operates at any one time. Four roof top cooling towers and eight rooftop air handling units of various size.
Contaminants:
Emission Control: No Controls

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	5 of 37	ESE/284.7	84.9 / -4.00	3000 Merivale Road Nepean ON	CA

Certificate #: 1298-568SSM
Application Year: 02
Issue Date: 5/13/02
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: JDS Uniphase Inc.
Client Address: 570 West Hunt Club Road
Client City: Nepean
Client Postal Code: K2G 5W8
Project Description: This application is for a comprehensive site-wide certificate of approval for emissions to atmosphere from the manufacture of clean and package fibre optic components using solvents and epoxies. In addition to existing approved sources, sources that discharge to atmosphere include a laser laboratory, deuterium loader, isolator assembly, slot block assembly, lens preparation, relay body assembly, reflectivity measuring, mirror inspection (coating and cleaning), sealing and packaging, rework booth, centrepiece and device curing, sandblasting, centrepiece assembly exhaust, polishing laboratory exhaust (degreaser), polishing laboratory exhaust (fume hood),

polishing laboratory exhaust (spray booth), sandblasting room exhaust, wet bench, chemical storage locker exhaust (coating room), boxcoater exhaust, production exhaust system, process exhaust system, circuit card assembly (cleaning and coating), assembly room (gluing and soldering) and a production exhaust system in Building N.

Contaminants:
Emission Control:

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35 | ***6 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***3000 Merivale Road Nepean ON*** | ***CA***

Certificate #: 5404-4U4M53
Application Year: 01
Issue Date: 2/20/01
Approval Type: Industrial air
Status: Approved
Application Type: Amended CofA
Client Name: JDS Uniphase Corporation
Client Address: 570 West Hunt Club Road
Client City: Nepean
Client Postal Code: K2G 5W8
Project Description: The purpose of the amendment is to re-address the impact of the standby diesel generator based on control measures which were not accounted for in the previous analysis.

Contaminants:
Emission Control:

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35 | ***7 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***JDS Uniphase Corporation 3000 Merivale Road NEPEAN ON*** | ***EBR***

EBR Registry No: IA9E1227
Ministry Ref No: 8422699
Notice Type: Instrument Decision
Notice Stage:
Notice Date: February 27, 2009
Proposal Date: October 07, 1999
Year: 1999
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: JDS Uniphase Corporation
Site Address:
Location Other:
Proponent Name:
Proponent Address: 570 West Hunt Club Road, Nepean Ontario, K2G 5W8
Comment Period:
URL:

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

Site Location Details:

3000 Merivale Road NEPEAN

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35 | ***8 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***JDS Uniphase Inc. 3000 Merivale Road NEPEAN ON*** | ***EBR***

EBR Registry No: IA9E1735
Ministry Ref No: 8425599
Notice Type: Instrument Decision
Notice Stage:
Notice Date: February 01, 2000

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:

Proposal Date: November 15, 1999 **Site Location Map:**
Year: 1999
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: JDS Uniphase Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 570 West Hunt Club Road, Nepean Ontario, K2G 5W8
Comment Period:
URL:

Site Location Details:

3000 Merivale Road NEPEAN

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35 | 9 of 37 | ESE/284.7 | 84.9 / -4.00 | **JDS Uniphase Inc.**
3000 Merivale Road Nepean Ontario K2G 6N7
Nepean
ON | EBR

EBR Registry No: IA00E1893 **Decision Posted:**
Ministry Ref No: 1048-4RST89 **Exception Posted:**
Notice Type: Instrument Decision **Section:**
Notice Stage: **Act 1:**
Notice Date: April 18, 2001 **Act 2:**
Proposal Date: December 12, 2000 **Site Location Map:**
Year: 2000
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: JDS Uniphase Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2445 St. Laurent Boulevard, Ottawa Ontario, K1G 6C3
Comment Period:
URL:

Site Location Details:

3000 Merivale Road Nepean Ontario K2G 6N7 Nepean

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35 | 10 of 37 | ESE/284.7 | 84.9 / -4.00 | **JDS Uniphase Inc.**
3000 Merivale Road Nepean Ontario K2G 6N7
Nepean
ON | EBR

EBR Registry No: IA01E1524 **Decision Posted:**
Ministry Ref No: 5233-53ZKQF **Exception Posted:**
Notice Type: Instrument Decision **Section:**
Notice Stage: **Act 1:**
Notice Date: May 22, 2002 **Act 2:**
Proposal Date: October 30, 2001 **Site Location Map:**
Year: 2001
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: JDS Uniphase Inc.

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

Site Address:
Location Other:
Proponent Name:
Proponent Address: 2445 St. Laurent Boulevard, Ottawa Ontario, K1G 6C3
Comment Period:
URL:

Site Location Details:

3000 Merivale Road Nepean Ontario K2G 6N7 Nepean

35	11 of 37	ESE/284.7	84.9 / -4.00	JDS Uniphase Ltd. 3000 Merivale Rd Nepean ON	SCT

Established: 1981
Plant Size (ft²):
Employment: 011

--Details--
Description: Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code: 333310

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

35	12 of 37	ESE/284.7	84.9 / -4.00	JDS FITEL INC. 3000 MERIVALE ROAD NEPEAN ON K2C 3H1	GEN

Generator No: ON1312004
SIC Code: 3359
SIC Description: OTHER COMMUN. & ELE.
Approval Years: 98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

35	13 of 37	ESE/284.7	84.9 / -4.00	JDS UNIPHASE CORPORATION 3000 MERIVALE ROAD NEPEAN ON K2C 3H1	GEN

Generator No: ON1312004
SIC Code: 3359
SIC Description: OTHER COMMUN. & ELE.
Approval Years: 99,00,01

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

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

Waste Class: 114
Waste Class Name: OTHER INORGANIC ACID WASTES

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

35	14 of 37	ESE/284.7	84.9 / -4.00	JDS UNIPHASE Inc. 3000 MERIVALE ROAD NEPEAN ON K2C 3H1	GEN

Generator No: ON1312004
SIC Code:
SIC Description:
Approval Years: 02,03,04,05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 232
Waste Class Name: POLYMERIC RESINS

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

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

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

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

Waste Class: 114
Waste Class Name: OTHER INORGANIC ACID WASTES

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 148
Waste Class Name: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

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

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 312
Waste Class Name: PATHOLOGICAL WASTES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

35	15 of 37	ESE/284.7	84.9 / -4.00	**JDS Uniphase Corporation** **3000 Merivale Rd** **Nepean ON K2G 6N7**	SCT

Established: 1981
Plant Size (ft²):
Employment:

--Details--
Description: Commercial and Service Industry Machinery Manufacturing
SIC/NAICS Code: 333310

Description: Measuring, Medical and Controlling Devices Manufacturing
SIC/NAICS Code: 334512

35	16 of 37	ESE/284.7	84.9 / -4.00	**Minto Commercial Inc.** **3000 Merivale Road** **Ottawa ON K2G6N7**	GEN

Generator No: ON9464946

SIC Code: 531120
SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)
Approval Years: 05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

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

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35 | **17 of 37** | **ESE/284.7** | **84.9 / -4.00** | **3000 Merivale Road Ottawa ON** | **EHS**

Order No: 20071115015
Status: C
Report Type: CAN - Complete Report
Report Date: 11/26/2007
Date Received: 11/15/2007
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps And /or Site Plans

Nearest Intersection: Merivale Rd. and Queen Anne Crec.
Municipality:
Client Prov/State:
Search Radius (km): 0.25
X: -75.704145
Y: 45.295958

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35 | **18 of 37** | **ESE/284.7** | **84.9 / -4.00** | **JDS Uniphase Inc. 3000 Merivale Road Nepean ON** | **SPL**

Ref No: 8075-5KULXJ
Year:
Incident Dt: 3/21/2003
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/21/2003
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: 3000 MERIVALE ROAD
Site Address:
Site Region: Eastern
Site Municipality: Nepean
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:

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

Northing:	NA
Easting:	NA
Incident Cause:	
Incident Preceding Spill:	
Environment Impact:	Confirmed
Health Env Consequence:	
Nature of Impact:	Air Pollution
Contaminant Qty:	618 kg
System Facility Address:	
Client Name:	JDS Uniphase Inc.
Client Type:	
Source Type:	
Contaminant Code:	38
Contaminant Name:	FREON R-22 (CFC)
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Air
Incident Reason:	Equipment Failure
Incident Summary:	JDS Uniphase - 618 kg freon to atm
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	Spill to Air
Call Report Locatn Geodata:	

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35 | ***19 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***JDS Uniphase Corporation***
3000 MARIVALE RD., NEPEAN<UNOFFICIAL>
Ottawa ON | ***SPL***

Ref No:	5124-5XNQZZ	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	4/2/2004	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	Gases/Particulate
MOE Reported Dt:	4/2/2004	**Impact to Health:**	
Dt Document Closed:		**Agency Involved:**	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	3000 MARIVALE RD., NEPEAN<UNOFFICIAL>		
Site Address:			
Site Region:	Eastern		
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Incident Cause:	Valve / Fitting Leak Or Failure		
Incident Preceding Spill:			
Environment Impact:	Not Anticipated		
Health Env Consequence:			
Nature of Impact:	Air Pollution		
Contaminant Qty:	154.545454545455 Kg		
System Facility Address:			
Client Name:	JDS Uniphase Corporation		
Client Type:			
Source Type:			
Contaminant Code:	38		

Contaminant Name:	FREON R-22 (CFC)
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Air
Incident Reason:	
Incident Summary:	JDS Uniphase Corp.,340 lbs R22 to ATM
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Other
SAC Action Class:	Spill to Air
Call Report Locatn Geodata:	

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35 | ***20 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***Public Work Government Service Canada*** | ***CA***

3000 Merivale Rd
Ottawa ON

Certificate #:	3448-7WDQFM
Application Year:	2009
Issue Date:	10/2/2009
Approval Type:	Air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

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35 | ***21 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***Minto Commercial Inc.*** | ***GEN***

3000 Merivale Road
Ottawa ON

Generator No:	ON9464946
SIC Code:	531120
SIC Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)
Approval Years:	2009
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	212
Waste Class Name:	ALIPHATIC SOLVENTS
Waste Class:	251
Waste Class Name:	OIL SKIMMINGS & SLUDGES
Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	263

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		ORGANIC LABORATORY CHEMICALS			

35	22 of 37	ESE/284.7	84.9 / -4.00	**Minto Commercial Inc.** **3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)** **Ottawa ON**	GEN

Generator No: ON9464946
SIC Code: 531120
SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

35	23 of 37	ESE/284.7	84.9 / -4.00	**Minto Commercial Inc.** **3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)** **Ottawa ON**	GEN

Generator No: ON9464946
SIC Code: 531120
SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	24 of 37	ESE/284.7	84.9 / -4.00	**Minto Commercial Inc.** **3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)** **Ottawa ON K2G6N7**	GEN

Generator No: ON9464946
SIC Code: 531120
SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	25 of 37	ESE/284.7	84.9 / -4.00	**JDS UNIPHASE INC.** **3000 Merivale Road** **Ottawa ON K2G6N7**	NPRI

NPRI ID:	8800001566	**Org ID:**	
Other ID:		**Submit Date:**	
No Other ID:		**Last Modified:**	
Track ID:		**Contact ID:**	
Report ID:		**Cont Type:**	MED
Report Type:		**Contact Title:**	
Rpt Type ID:		**Cont First Name:**	
Report Year:	2004	**Cont Last Name:**	
Not-Current Rpt?:		**Contact Position:**	
Yr of Last Filed Rpt:		**Contact Fax:**	
Fac ID:		**Contact Ph.:**	
Fac Name:	JDS UNIPHASE	**Cont Area Code:**	
Fac Address1:		**Contact Tel.:**	
Fac Address2:		**Contact Ext.:**	
Fac Postal Zip:		**Cont Fax Area Cde:**	
Facility Lat:		**Contact Fax:**	
Facility Long:		**Contact Email:**	
DLS (Last Filed Rpt):		**Latitude:**	
Facility DLS:		**Longitude:**	
Datum:		**UTM Zone:**	
Facility Cmnts:		**UTM Northing:**	
URL:		**UTM Easting:**	
No of Empl.:	590	**Waste Streams:**	
Parent Co.:		**No Streams:**	

No Parent Co.: ***Waste Off Sites:***
Pollut Prev Cmnts: ***No Off Sites:***
Stacks: ***Shutdown:***
No of Stacks: ***No of Shutdown:***
Canadian SIC Code (2 digit):
Canadian SIC Code:
SIC Code Description:
American SIC Code:
NAICS Code (2 digit): 31-33
NAICS 2 Description: Manufacturing
NAICS Code (4 digit): 3346
NAICS 4 Description: Manufacturing and Reproducing Magnetic and Optical Media
NAICS Code (6 digit): 334610
NAICS 6 Description: Manufacturing and Reproducing Magnetic and Optical Media

Substance Release Report

CAS No: 7446-09-5
Report ID:
Rpt Period: 2004
Subst Released: Sulphur dioxide
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 811-97-2
Report ID:
Rpt Period: 2004
Subst Released: HFC-134a Hydrofluorocarbon
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: NA - M10
Report ID:
Rpt Period: 2004
Subst Released: PM2.5 - Particulate Matter <= 2.5 Microns
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 74-82-8
Report ID:
Rpt Period: 2004
Subst Released: Methane
Air:
Water:
Land:
Total Releases:
Units: tonnes

CAS No: 630-08-0
Report ID:
Rpt Period: 2004
Subst Released: Carbon monoxide
Air:
Water:
Land:
Total Releases:

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

Units:	tonnes
CAS No:	NA - M09
Report ID:	
Rpt Period:	2004
Subst Released:	PM10 - Particulate Matter <= 10 Microns
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	10024-97-2
Report ID:	
Rpt Period:	2004
Subst Released:	Nitrous oxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	11104-93-1
Report ID:	
Rpt Period:	2004
Subst Released:	Nitrogen oxides (expressed as NO2)
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	124-38-9
Report ID:	
Rpt Period:	2004
Subst Released:	Carbon dioxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	NA - M08
Report ID:	
Rpt Period:	2004
Subst Released:	PM - Total Particulate Matter
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	NA - M16
Report ID:	
Rpt Period:	2004
Subst Released:	Volatile Organic Compounds (VOCs)
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes

35	26 of 37	ESE/284.7	84.9 / -4.00	**Minto Commercial Inc.** **3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)**	GEN

Ottawa ON

Generator No: ON9464946
SIC Code: 531120
SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

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

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35 ***27 of 37*** ***ESE/284.7*** ***84.9 / -4.00*** ***Public Work Government Service Canada*** ***ECA***
3000 Merivale Rd
Ottawa ON K1A 0R2

Approval No: 3448-7WDQFM
Approval Date: 2009-10-02
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Public Work Government Service Canada
Address: 3000 Merivale Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6999-7TQP3R-14.pdf
PDF Site Location:

MOE District: Ottawa
City:
Longitude: -75.705666
Latitude: 45.294838
Geometry X:
Geometry Y:

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35 ***28 of 37*** ***ESE/284.7*** ***84.9 / -4.00*** ***JDS Uniphase Inc.*** ***ECA***
3000 Merivale Road
Nepean ON K2G 5W8

Approval No: 1464-4VGSD5
Approval Date: 2001-04-10
Status: Approved
Record Type: ECA
Link Source: IDS

MOE District: Ottawa
City:
Longitude: -75.705666
Latitude: 45.294838
Geometry X:

SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	JDS Uniphase Inc.		
Address:	3000 Merivale Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1048-4RST89-14.pdf		
PDF Site Location:			

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35 | **29 of 37** | **ESE/284.7** | **84.9 / -4.00** | **JDS Uniphase Corporation**
3000 Merivale Road
Nepean ON K2G 5W8 | **ECA**

Approval No:	5404-4U4M53	**MOE District:**	Ottawa
Approval Date:	2001-02-20	**City:**	
Status:	Approved	**Longitude:**	-75.705666
Record Type:	ECA	**Latitude:**	45.294838
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	JDS Uniphase Corporation		
Address:	3000 Merivale Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5821-4T2T9C-14.pdf		
PDF Site Location:			

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35 | **30 of 37** | **ESE/284.7** | **84.9 / -4.00** | **JDS Uniphase Inc.**
3000 Merivale Road
Nepean ON K2G 5W8 | **ECA**

Approval No:	1298-568SSM	**MOE District:**	Ottawa
Approval Date:	2002-05-13	**City:**	
Status:	Revoked and/or Replaced	**Longitude:**	-75.705666
Record Type:	ECA	**Latitude:**	45.294838
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	JDS Uniphase Inc.		
Address:	3000 Merivale Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5233-53ZKQF-14.pdf		
PDF Site Location:			

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35 | **31 of 37** | **ESE/284.7** | **84.9 / -4.00** | **Minto Commercial Inc.**
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON K2G6N7 | **GEN**

Generator No:	ON9464946
SIC Code:	531120
SIC Description:	LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)
Approval Years:	2015
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Steve Maber
Choice of Contact:	CO_ADMIN
Phone No Admin:	613-786-3000 Ext.

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

Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

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

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

35	*32 of 37*	*ESE/284.7*	*84.9 / -4.00*	***Minto Commercial Inc.*** ***3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)*** ***Ottawa ON K2G6N7***	***GEN***

Generator No: ON9464946
SIC Code: 531120
SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin: Steve Maber
Choice of Contact: CO_ADMIN
Phone No Admin: 613-786-7942 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

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

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

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

35	*33 of 37*	*ESE/284.7*	*84.9 / -4.00*	***Minto Commercial Inc.***	***GEN***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7	

Generator No: ON9464946
SIC Code: 531120
SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Steve Maber
Choice of Contact: CO_ADMIN
Phone No Admin: 613-786-3000 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

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

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	34 of 37	ESE/284.7	84.9 / -4.00	***Minto Commercial Inc. 3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road) Ottawa ON K2G6N7***	GEN

Generator No: ON9464946
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

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

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35 | **35 of 37** | **ESE/284.7** | **84.9 / -4.00** | **Minto Commercial Inc.**
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON K2G6N7 | **GEN**

Generator No: ON9464946
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

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

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

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35 | **36 of 37** | **ESE/284.7** | **84.9 / -4.00** | **Minto Commercial Inc.**
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON K2G6N7 | **GEN**

Generator No: ON9464946
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

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

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

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35 | ***37 of 37*** | ***ESE/284.7*** | ***84.9 / -4.00*** | ***Minto Commercial Inc.***
3000 Merivale Road 73 Leikin Drive (formerly 3000 Merivale Road)
Ottawa ON K2G6N7 | ***GEN***

Generator No: ON9464946
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212 L
Waste Class Name: ALIPHATIC SOLVENTS

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

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

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

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

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36 | ***1 of 1*** | ***ENE/285.5*** | ***80.8 / -8.06*** | ***lot 19 con A ON*** | ***WWIS***

Well ID: 1504097
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:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/07/1956
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4216
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 019

Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504097.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/12/1956
Year Completed:	1956
Depth (m):	21.336
Latitude:	45.3022946343994
Longitude:	-75.7019066592065
X:	-75.70190649741836
Y:	45.30229462682422
Path:	150\1504097.pdf

Bore Hole Information

Bore Hole ID:	10026140	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	444970.70
Code OB Desc:		**North83:**	5016772.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	09/12/1956	**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:			

Overburden and Bedrock Materials Interval

Formation ID:	930998395
Layer:	2
Color:	
General Color:	
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	54.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 930998394

Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	54.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961504097
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10574710
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930045009
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	70.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930045008
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	54.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991504097
Pump Set At:	
Static Level:	18.0
Final Level After Pumping:	22.0
Recommended Pump Depth:	
Pumping Rate:	6.0
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:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933457175
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	54.0
Water Found Depth UOM:	ft

---

37 ***1 of 1*** ***ENE/285.5*** ***80.8 / -8.06*** ***ON*** ***BORE***

Borehole ID:	612159	**Inclin FLG:**	No
OGF ID:	215513468	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	SEP-1956	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.302296
Total Depth m:	21.3	**Longitude DD:**	-75.701907
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	444971
Drill Method:		**Northing:**	5016772
Orig Ground Elev m:	88.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	89.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218390226	**Mat Consistency:**	
Top Depth:	16.5	**Material Moisture:**	
Bottom Depth:	21.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. 00054Y = 1400. UNSPECIFIED. SEISMIC VELOCITY = 3800. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218390225	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	16.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	

Material 3: **Geologic Period:**
Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: CLAY.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 04667 NTS_Sheet:
Confiden 1:

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

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38 **1 of 1** **E/289.0** **82.6 / -6.31** **lot 18 con A ON** **WWIS**

Well ID:	1504087	**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:**	09/01/1954
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3701
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	018
Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: NEPEAN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504087.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/18/1954
Year Completed: 1954
Depth (m): 44.5008
Latitude: 45.2979675954404
Longitude: -75.7029373748223
X: -75.70293721361938
Y: 45.297967587933826
Path: 150\1504087.pdf

Bore Hole Information

Bore Hole ID:	10026130	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	444885.70
Code OB Desc:		***North83:***	5016292.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/18/1954	***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:

Overburden and Bedrock Materials Interval

Formation ID: 930998367
Layer: 2
Color:
General Color:
Material 1: 14
Material 1 Desc: HARDPAN
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 46.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998368
Layer: 3
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 67.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998369
Layer: 4
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:

Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 67.0
Formation End Depth: 102.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998370
Layer: 5
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 102.0
Formation End Depth: 146.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930998366
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 46.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504087
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574700
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930044991
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 146.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930044990
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 82.0
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: 991504087
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 80.0
Recommended Pump Depth:
Pumping Rate: 8.0
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: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933457158
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 100.0
Water Found Depth UOM: ft

Water Details

Water ID: 933457160
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 146.0
Water Found Depth UOM: ft

Water Details

Water ID: 933457159
Layer: 2
Kind Code: 1
Kind: FRESH

Water Found Depth: 135.0
Water Found Depth UOM: ft

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39 | **1 of 1** | **ENE/291.0** | **82.9 / -5.97** | **lot 19 con A ON** | **WWIS**

Well ID: 1533419
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 250443
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/17/2002
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 019
Concession: A
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533419.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/02/2002
Year Completed: 2002
Depth (m): 75.5904
Latitude: 45.3033002587591
Longitude: -75.7023195877466
X: -75.70231942668175
Y: 45.30330025204108
Path: 153\1533419.pdf

Bore Hole Information

Bore Hole ID: 10530166
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/02/2002
Remarks:
Location Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 444939.30
North83: 5016884.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Overburden and Bedrock Materials Interval

Formation ID:	932881077
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932881080
Layer:	4
Color:	2
General Color:	GREY
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	67.0
Formation End Depth:	248.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932881079
Layer:	3
Color:	2
General Color:	GREY
Material 1:	28
Material 1 Desc:	SAND
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	
Material 3 Desc:	
Formation Top Depth:	62.0
Formation End Depth:	67.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932881078
Layer:	2
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	62.0

Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933230478
Layer: 1
Plug From: 0.0
Plug To: 69.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961533419
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 11078736
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930096913
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930096914
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991533419
Pump Set At:
Static Level: 42.0
Final Level After Pumping: 175.0
Recommended Pump Depth: 225.0
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate: 5.0

Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934395030
Test Type:	Draw Down
Test Duration:	30
Test Level:	200.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934912435
Test Type:	Draw Down
Test Duration:	60
Test Level:	240.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934664310
Test Type:	Draw Down
Test Duration:	45
Test Level:	222.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934120176
Test Type:	Draw Down
Test Duration:	15
Test Level:	175.0
Test Level UOM:	ft

Water Details

Water ID:	934022887
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	239.0
Water Found Depth UOM:	ft

Water Details

Water ID:	934022886
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	132.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
40	1 of 2	ENE/294.2	82.9 / -5.97	lot 19 con A ON	WWIS

Well ID: 1527674
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No: 143948
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/07/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6841
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 019
Concession: A
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1527674.pdf

Additional Detail(s) (Map)

Well Completed Date: 02/01/1994
Year Completed: 1994
Depth (m):
Latitude: 45.3033005254149
Longitude: -75.7022762227623
X: -75.70227606142404
Y: 45.3033005180411
Path: 152\1527674.pdf

Bore Hole Information

Bore Hole ID: 10049300
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/01/1994
Remarks:
Location Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 444942.70
North83: 5016884.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Annular Space/Abandonment Sealing Record

Plug ID: 933112635
Layer: 1
Plug From: 0.0
Plug To: 5.0

Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112637
Layer: 3
Plug From: 28.0
Plug To: 33.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112636
Layer: 2
Plug From: 5.0
Plug To: 28.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961527674
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10597870
Casing No: 1
Comment:
Alt Name:

40	2 of 2	ENE/294.2	82.9 / -5.97	lot 19 con A ON	WWIS

Well ID: 1527675
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No: 143949
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/07/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6841
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 019
Concession: A
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1527675.pdf

Additional Detail(s) (Map)

Well Completed Date: 02/01/1994
Year Completed: 1994
Depth (m):
Latitude: 45.3033005254149
Longitude: -75.7022762227623
X: -75.70227606142404
Y: 45.3033005180411
Path: 152\1527675.pdf

Bore Hole Information

Bore Hole ID: 10049301
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/01/1994
Remarks:
Location Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 444942.70
North83: 5016884.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Annular Space/Abandonment Sealing Record

Plug ID: 933112638
Layer: 1
Plug From: 0.0
Plug To: 5.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112640
Layer: 3
Plug From: 41.0
Plug To: 46.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112639
Layer: 2
Plug From: 5.0
Plug To: 41.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961527675
Method Construction Code: 0

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

Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10597871
Casing No: 1
Comment:
Alt Name:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	NE/295.7	83.1 / -5.80	Del Management 2746 Prince of Wales Dr. Ottawa ON K2C 3H1	GEN

Generator No: ON4759000
SIC Code: 531310
SIC Description:
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Unplottable Summary

Total: 78 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Works within an easement adjacent to Merivale Rd	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	MERIVALE RD. RECONT. WOODFIELD	NEPEAN CITY ON	
CA	J. PEREZ CONSTRUCTION LTD.	MERIVALE RD.	NEPEAN CITY ON	
CA	Davidson Heights	Lot 17, Concession 1	Nepean ON	
CA	Davidson Heights	Lot 17, Concession 1	Nepean ON	
CA	Davidson Heights	Lot 17, Concession 1	Nepean ON	
CA		Merivale Road	Nepean ON	
CA		Merivale Road	Nepean ON	
CA		Pt. of North half Lot 17, Conc. 1 (Rideau Front)	Nepean ON	
CA	Woodroffe Classics Phase II	Lot 17, Concession 1	Nepean ON	
CA		Pt. of North half Lot 17, Conc. 1 (Rideau Front)	Nepean ON	
CA	Woodroffe Classics Phase II	Lot 17, Concession 1	Nepean ON	
CA	ROYAL OTTAWA HOSPITAL	MERIVALE RD.	OTTAWA CITY ON	
CA	MINTO CONSTRUCTION LTD.	MERIVALE RD.	NEPEAN CITY ON	
CA	MINTO CONSTRUCTION LTD.	MERIVALE RD. EAST SIDE	NEPEAN CITY ON	
CA	TONY GRAHAM MOTORS (1980) LIMITED	MERIVALE RD. (SWM)	NEPEAN CITY ON	
CA	JDS FITEL INC.	LEIKIN DR., PT.LOTS 17&18, SWM	NEPEAN ON	

CA	R.M. OF OTTAWA-CARLETON	PRINCE OF WALES DR.	OTTAWA CITY ON	
CA	SHELL CANADA PRODUCTS LIMITED	MERIVALE RD., BULK TANK FARM	NEPEAN CITY ON	
CA	CONSUMERS GAS COMPANY LIMITED	PT.LOT 18/CONC.1, ST.'B'(SWM)_	NEPEAN CITY ON	
CA	R.M. OF OTTAWA-CARLETON	PRINCE OF WALES DR.	OTTAWA CITY ON	
CA	JAMES STEWART	MERIVALE RD.	NEPEAN CITY ON	
CA	City of Nepean	MERIVALE RD./S.W.MGT	NEPEAN CITY ON	
CA	OTTAWA CITY	PRINCE OF WALES DR.	OTTAWA CITY ON	
CA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	
CA	Urbandale Corporation	Part of Lot 20, Concession 1	Ottawa ON	
CA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	
CA	Urbandale Corporation	Part of Lot 20, Concession 1	Ottawa ON	
CA	Land Ark Custom Homes Inc.	Part of Lots 17 & 18, Concession 1	Ottawa ON	
CA	Royal Canadian Mounted Police	Mobile	Ottawa ON	
CA	Canada Post Corporation	Part 9, RP 50R-6676	Ottawa ON	
CA	MID CANADA CONSTRUCTION LTD.	ACESS RD. W. OF MERIVALE RD.	NEPEAN CITY ON	
CA	JAMES STEWART	MERIVALE RD. STEWART FUELS	NEPEAN CITY ON	
CONV	JDS UNIPHASE INC.		ON	
EBR	JDS Fitel Inc.	Bldg.C NEPEAN	ON	
ECA	Canada Post Corporation	Part 9, RP 50R-6676	Ottawa ON	K1A 0B1
ECA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	K1R 7Y2
ECA	Royal Canadian Mounted Police	Mobile	Ottawa ON	K1A 0R2
ECA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	K1R 7Y2
ECA	City of Ottawa	Works within an easement adjacent to Merivale Rd	Ottawa ON	K2G 6J8

ECA	Minto Developments Inc.	Lot 19, Concession 1	Ottawa ON	K1R 7Y2
FRST		Experimental Farm- Prince of Wales Dr	Ottawa ON	
GEN	7770251 CANADA INC	MERIVALE ROAD	OTTAWA ON	
GEN	Dalcon	Central Experimental Farm, Prince of Whales Drive	Ottawa ON	K1M 0M3
GEN	PUBLIC WORKS CANADA	CHP, Central Experimental Farm, Prince Of Wales Dr	Ottawa ON	K1A 0M3
GEN	PETRO-CANADA PRODUCTS	OTTAWA TERMINAL - GULF MERIVALE ROAD	OTTAWA ON	K2C 3G1
GEN	Carmelo Idone	Rear Merivale Rd.	Ottawa ON	K1Z 6A5
PRT	SHELL CANADA PRODUCTS LTD	MERIVALE RD	OTTAWA ON	
PTTW	Camelot Golf & Country Club	Activity Location: Lots 19 & 20, Concession 1 City of Ottawa CITY OF OTTAWA	ON	
SPL	Veolia ES Canada Industrial Services Inc.	East shoulder of Prince of Wales Drive	Ottawa ON	
SPL	ROYAL CANADIAN MOUNTED POLICE	ROYAL CANADIAN MOUNTED POLICE HQ	OTTAWA CITY ON	
SPL	ONTARIO HYDRO	MERIVALE RD TRANSFORMER STATION TRANSFORMER	NEPEAN CITY ON	
WWIS		lot 20 con A	ON	
WWIS		lot 19	ON	
WWIS		lot 20 con A	ON	
WWIS		lot 17	ON	
WWIS		con 1	ON	
WWIS		lot 18	ON	
WWIS		con 1	ON	
WWIS		con A	ON	
WWIS		con 1	ON	
WWIS		lot 18	ON	
WWIS		lot 18	ON	

WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	con 1	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 20	ON
WWIS	con A	ON
WWIS	lot 17	ON
WWIS	lot 18	ON

Unplottable Report

Site: ***City of Ottawa***
Works within an easement adjacent to Merivale Rd Ottawa ON

Database: ***CA***

Certificate #:	0702-82CL4A
Application Year:	2010
Issue Date:	2/8/2010
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***R.M. OF OTTAWA-CARLETON***
MERIVALE RD. RECONT. WOODFIELD NEPEAN CITY ON

Database: ***CA***

Certificate #:	3-0317-88-
Application Year:	88
Issue Date:	3/17/1988
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***J. PEREZ CONSTRUCTION LTD.***
MERIVALE RD. NEPEAN CITY ON

Database: ***CA***

Certificate #:	3-1266-86-
Application Year:	86
Issue Date:	9/10/1986
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Davidson Heights***
Lot 17, Concession 1 Nepean ON

Database: ***CA***

Certificate #:	0357-4QTHHM

Application Year: 00
Issue Date: 11/6/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Holitzner Homes (1995) Ltd.
Client Address: 1300 Main St., Box 149
Client City: Stittsville
Client Postal Code: K2S 1A2
Project Description: Watermains to be constructed on Holitzner Way and Baroness Drive
Contaminants:
Emission Control:

Site: ***Davidson Heights***
Lot 17, Concession 1 Nepean ON

Database: ***CA***

Certificate #: 6844-4SPJQT
Application Year: 01
Issue Date: 1/8/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Holitzner Homes (1995) Ltd.
Client Address: 1300 Main St., Box 149
Client City: Stittsville
Client Postal Code: K2S 1A2
Project Description: Storm sewers to be constructed on Holitzner Way and Baroness Drive in the City of Nepean.
Contaminants:
Emission Control:

Site: ***Davidson Heights***
Lot 17, Concession 1 Nepean ON

Database: ***CA***

Certificate #: 5760-4QTHQV
Application Year: 00
Issue Date: 11/6/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Holitzner Homes (1995) Ltd.
Client Address: 1300 Main St., Box 149
Client City: Stittsville
Client Postal Code: K2S 1A2
Project Description: Sanitary sewers to be costructed in the Waterview Subdivision, on Holizner Way and Baroness Drive
Contaminants:
Emission Control:

Site:
Merivale Road Nepean ON

Database: ***CA***

Certificate #: 0030-4N8JQX
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar Street
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: Installation of watermains on Merivale Road, Boyce Street
Contaminants:
Emission Control:

Site:
Merivale Road Nepean ON

Database:
CA

Certificate #:	6408-4PJHR7
Application Year:	00
Issue Date:	9/27/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the Regional Municipality of Ottawa-Carleton
Client Address:	111 Lisgar Street
Client City:	Ottawa
Client Postal Code:	K2P 2L7
Project Description:	Installation of watermains and appurtenances in Merivale Road from Amberwood Crescent to approximately 100 m north of Fallowfield Road.
Contaminants:	
Emission Control:	

Site:
Pt. of North half Lot 17, Conc. 1 (Rideau Front) Nepean ON

Database:
CA

Certificate #:	4431-4JYLQ7
Application Year:	00
Issue Date:	5/8/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Richcraft Homes Ltd.
Client Address:	201-2280 St. Laurent Blvd.
Client City:	Ottawa
Client Postal Code:	K1G 4K1
Project Description:	Construction of a Watermain along Stoneway Drive, Maple Stand and Oak Grove Street
Contaminants:	
Emission Control:	

Site: ***Woodroffe Classics Phase II***
Lot 17, Concession 1 Nepean ON

Database:
CA

Certificate #:	5204-4RGRNN
Application Year:	00
Issue Date:	12/1/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Richcraft Homes Ltd.
Client Address:	201-2280 St. Laurent Blvd.
Client City:	Ottawa
Client Postal Code:	K1G 4K1
Project Description:	watermains to be constructed on Maplestand Way, Sachs Forest Place, Mountain Ash Drive, Knowlton Drive and Ash Valley Drive.
Contaminants:	
Emission Control:	

Site:
Pt. of North half Lot 17, Conc. 1 (Rideau Front) Nepean ON

Database:
CA

Certificate #:	5441-4JYL3B
Application Year:	00
Issue Date:	5/8/00
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Richcraft Homes Ltd.

Client Address: 201-2280 St. Laurent Blvd.
Client City: Ottawa
Client Postal Code: K1G 4K1
Project Description: Construction of Storm and Sanitary Sewers along Maple Stand and Oak Grove Street
Contaminants:
Emission Control:

Site: ***Woodroffe Classics Phase II***
Lot 17, Concession 1 Nepean ON

Database: ***CA***

Certificate #: 0325-4RGRHM
Application Year: 00
Issue Date: 12/8/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Richcraft Homes Ltd.
Client Address: 201-2280 St. Laurent Blvd.
Client City: Ottawa
Client Postal Code: K1G 4K1
Project Description: Storm and sanitary sewer construction on Maplestand Way, Sachs Forest Place, Knowlton Drive and Ash Valley Drive.
Contaminants:
Emission Control:

Site: ***ROYAL OTTAWA HOSPITAL***
MERIVALE RD. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1424-85-006
Application Year: 85
Issue Date: 12/13/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MINTO CONSTRUCTION LTD.***
MERIVALE RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-0874-85-006
Application Year: 85
Issue Date: 8/14/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MINTO CONSTRUCTION LTD.***
MERIVALE RD. EAST SIDE NEPEAN CITY ON

Database: ***CA***

Certificate #: 7-0594-85-006
Application Year: 85
Issue Date: 7/25/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***TONY GRAHAM MOTORS (1980) LIMITED***
MERIVALE RD. (SWM) NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1310-97-
Application Year: 97
Issue Date: 10/3/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***JDS FITEL INC.***
LEIKIN DR., PT.LOTS 17&18, SWM NEPEAN ON

Database: ***CA***

Certificate #: 3-0049-98-
Application Year: 98
Issue Date: 4/16/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
PRINCE OF WALES DR. OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1932-87-
Application Year: 87
Issue Date: 1/14/1988
Approval Type: Municipal water
Status: Approved in 1988
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SHELL CANADA PRODUCTS LIMITED***
MERIVALE RD., BULK TANK FARM NEPEAN CITY ON

Database: ***CA***

Certificate #:	4-0099-91-
Application Year:	91
Issue Date:	11/14/1991
Approval Type:	Industrial wastewater
Status:	Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	MODIFY OIL/WATER SEPARATOR
Contaminants:	
Emission Control:	

Site: ***CONSUMERS GAS COMPANY LIMITED***
PT.LOT 18/CONC.1, ST.'B'(SWM)_ NEPEAN CITY ON

Database: ***CA***

Certificate #:	3-1150-95-
Application Year:	95
Issue Date:	9/8/1995
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***R.M. OF OTTAWA-CARLETON***
PRINCE OF WALES DR. OTTAWA CITY ON

Database: ***CA***

Certificate #:	7-1664-87-
Application Year:	87
Issue Date:	11/4/1987
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***JAMES STEWART***
MERIVALE RD. NEPEAN CITY ON

Database: ***CA***

Certificate #:	7-1585-88-
Application Year:	88
Issue Date:	10/6/1988
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	

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

Site: ***City of Nepean***
MERIVALE RD./S.W.MGT NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1378-92-
Application Year: 92
Issue Date: 11/30/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***OTTAWA CITY***
PRINCE OF WALES DR. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1626-89-
Application Year: 89
Issue Date: 8/16/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Developments Inc.***
Lot 19, Concession 1 Ottawa ON

Database: ***CA***

Certificate #: 1915-5L8Q54
Application Year: 2003
Issue Date: 5/7/2003
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: ***Urbandale Corporation***
Part of Lot 20, Concession 1 Ottawa ON

Database: ***CA***

Certificate #: 5155-667MFQ

Application Year: 2004
Issue Date: 11/1/2004
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: ***Minto Developments Inc.***
Lot 19, Concession 1 Ottawa ON

Database: ***CA***

Certificate #: 6111-5L8MWE
Application Year: 2003
Issue Date: 4/3/2003
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: ***Urbandale Corporation***
Part of Lot 20, Concession 1 Ottawa ON

Database: ***CA***

Certificate #: 6191-5PPQ63
Application Year: 2003
Issue Date: 7/25/2003
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: ***Land Ark Custom Homes Inc.***
Part of Lots 17 & 18, Concession 1 Ottawa ON

Database: ***CA***

Certificate #: 7814-5WBU29
Application Year: 2004
Issue Date: 2/23/2004
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: ***Royal Canadian Mounted Police***
Mobile Ottawa ON

Database: ***CA***

Certificate #: 8763-5PFR9N
Application Year: 2003
Issue Date: 8/8/2003
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Canada Post Corporation***
Part 9, RP 50R-6676 Ottawa ON

Database: ***CA***

Certificate #: 4564-8D2R5H
Application Year: 2011
Issue Date: 1/24/2011
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MID CANADA CONSTRUCTION LTD.***
ACESS RD. W. OF MERIVALE RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-0198-89-
Application Year: 89
Issue Date: 2/17/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***JAMES STEWART***
MERIVALE RD. STEWART FUELS NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1845-88-
Application Year: 88
Issue Date: 10/6/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:

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

Site: ***JDS UNIPHASE INC.***
ON

Database: ***CONV***

File No:
Crown Brief No: 01-0079-0443
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: OPERATING EQUIPMENT (PROCESSORS) FOR WHICH A CERTIFICATE OF APPROVAL FOR AIR IS REQUIRED AND HAD NOT BEEN ISSUED.
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District: OTTAWA

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation:
Section: 9(7)
Act/Regulation/Section: EPA- -9(7)
Date of Offence:
Date of Conviction:
Date Charged: 2/28/02
Charge Disposition: SUSPENDED SENTENCE
Fine: $5,000.00
Synopsis:

Site: ***JDS Fitel Inc.***
Bldg.C NEPEAN ON

Database: ***EBR***

EBR Registry No: IA8E0293
Ministry Ref No: 8403598 19980226
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 06, 1998
Proposal Date: March 04, 1998
Year: 1998
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: JDS Fitel Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 570 West Hunt Club Road, Nepean Ontario, K2G 5W8
Comment Period:
URL:

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

Site Location Details:

Bldg.C NEPEAN

Site: ***Canada Post Corporation***
Part 9, RP 50R-6676 Ottawa ON K1A 0B1

Database: ***ECA***

Approval No:	4564-8D2R5H	***MOE District:***	
Approval Date:	2011-01-24	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Canada Post Corporation
Address: Part 9, RP 50R-6676
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5613-87MQ4J-14.pdf
PDF Site Location:

Site: ***Minto Developments Inc.***
Lot 19, Concession 1 Ottawa ON K1R 7Y2

Database: ***ECA***

Approval No:	7864-5L2TU4	***MOE District:***	
Approval Date:	2003-04-14	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works
Business Name: Minto Developments Inc.
Address: Lot 19, Concession 1
Full Address:
Full PDF Link:
PDF Site Location:

Site: ***Royal Canadian Mounted Police***
Mobile Ottawa ON K1A 0R2

Database: ***ECA***

Approval No:	8763-5PFR9N	***MOE District:***	
Approval Date:	2003-08-08	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-AIR
Project Type: AIR
Business Name: Royal Canadian Mounted Police
Address: Mobile
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2550-5LUKRE-14.pdf
PDF Site Location:

Site: ***Minto Developments Inc.***
Lot 19, Concession 1 Ottawa ON K1R 7Y2

Database: ***ECA***

Approval No:	6111-5L8MWE	***MOE District:***	
Approval Date:	2003-04-03	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Developments Inc.
Address: Lot 19, Concession 1
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5577-5KZSLL-14.pdf
PDF Site Location:

Site: ***City of Ottawa***
Works within an easement adjacent to Merivale Rd Ottawa ON K2G 6J8

Database: ***ECA***

Approval No: 0702-82CL4A
Approval Date: 2010-02-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Works within an easement adjacent to Merivale Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9895-824SV6-14.pdf
PDF Site Location:

Site: ***Minto Developments Inc.***
Lot 19, Concession 1 Ottawa ON K1R 7Y2

Database: ***ECA***

Approval No: 1915-5L8Q54
Approval Date: 2003-05-07
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Developments Inc.
Address: Lot 19, Concession 1
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6742-5L2HYM-14.pdf
PDF Site Location:

Site:
Experimental Farm- Prince of Wales Dr Ottawa ON

Database: ***FRST***

Tank System ID: 12394
EC No: 12394
Internal No:
Is Perm Withdrwl: FALSE
Removed Date:
Withdrawn Date:
Temp Withdrawn Dt:
Tank Use E:
Tank Use F:
Year of Manufact:
Emerg Plan Same as: FALSE
Operator Contact:
Owner Contact:
Tank System City: Ottawa
Tank Sys Prov E: Ontario
Tank Use:
Tank Manufacturer:
Tank System Address: Experimental Farm- Prince of Wales Dr
Sys Record Address:
System Descr:
Tank Sys Prov F: Ontario
Tank Sys PO BOX:
Tank Sys Postal Cd:
Sys Record City:
Sys Record Prov E:
Sys Record Prov F:
Sys Record PO BOX:
Sys Rec Postal Cd:
System Rec Same as: TRUE
Location Latitude:
Location Longitude:
Creation Date: 24-Jun-2010 00:00:00
Creation By: Section 19
Modified Date: 24-Jun-2010 00:00:00
Modified By:

Certification System Installer:
Certification System Remover:
Group Name:
Master Group Name:
Owner Email:
Operator Email:
Land Owner E: Third party on federal land
Land Owner F: Tiers sur terre fédérale

Service Months

Service Months E: February
Service Months F: Février

Service Months E: August
Service Months F: Août

Service Months E: September
Service Months F: Septembre

Service Months E: July
Service Months F: Juillet

Service Months E: March
Service Months F: Mars

Service Months E: April
Service Months F: Avril

Service Months E: January
Service Months F: Janvier

Service Months E: December
Service Months F: Décembre

Service Months E: June
Service Months F: Juin

Service Months E: October
Service Months F: Octobre

Service Months E: November
Service Months F: Novembre

Service Months E: May
Service Months F: Mai

Tanks Details

Tank ID: 20475
Tank Capacity: 1345
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install: 2010
Date Withdrawn Tk:
Date Removed Tank:
Tank Desc:
Tank Stdd No E: ULC-S643 (withdrawn and superseded by S601)
Tank Std No F: ULC-S643 (retiré et remplacé par S601)
Tank Std No Other:
Tank Constr Material E: Steel
Tank Constr Material F: Acier
Tank Constr Material Other:
Internal No:
Tank Content E: Gasoline
Tank Content F: Essence
Tank Content Other:

Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: No pump
Tk Type of Pump F: Aucune pompe
Piping Type E: None
Piping Type F: Aucun
Piping Diam Unit: inch

Piping Diameter: 0
Spill Containment E: Devices for Aboveground Tanks (ORD-C142.19)
Spill Containment F: Réservoir hors sol (ORD-C142.19)
Spill Containment Other:
Product Transfer Area: overfill protection box
Date Wthdrwn Other Component:
Date Removed Other Component:

Piping Construction Materials

Component E: Other
Component F: Autre
Other:

Piping Secondary Containment

Tank ID: 20475
Component E: None
Component F: Aucun
Other:

Tank Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Piping Corrosion Protection

Component E: None
Component F: Aucune
Other:

Tank Leak Detection

Component E: Interstitial monitoring – double walled tank
Component F: Surveillance interstitielle- réservoir à double paroi
Other:

Piping Leak Detection

Component E: None
Component F: Aucun
Other:

Sump Leak Detection

Component E: No sump for storage tank system
Component F: Aucun puisard pour le système de stockage
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Method – trained personnel in attendance at all times
Component F: Méthode - Personels qualifiés présents en tout temps
Other:

Site: ***7770251 CANADA INC***
MERIVALE ROAD OTTAWA ON

Database: ***GEN***

Generator No: ON6163455
SIC Code: 812320
SIC Description: DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Site: ***Dalcon***
Central Experimental Farm, Prince of Whales Drive Ottawa ON K1M 0M3

Database: ***GEN***

Generator No: ON9858804
SIC Code:
SIC Description:
Approval Years: 02,03,04
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Site: ***PUBLIC WORKS CANADA***
CHP, Central Experimental Farm, Prince Of Wales Dr Ottawa ON K1A 0M3

Database: ***GEN***

Generator No: ON0144725
SIC Code:
SIC Description:
Approval Years: 02,03,04
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

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

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

Waste Class: 146
Waste Class Name: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 222
Waste Class Name: HEAVY FUELS

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

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

Site: ***PETRO-CANADA PRODUCTS***
OTTAWA TERMINAL - GULF MERIVALE ROAD OTTAWA ON K2C 3G1

Database: ***GEN***

Generator No: ON0031027
SIC Code: 3611
SIC Description: REFINED PETRO. PROD.
Approval Years: 98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Site: ***Carmelo Idone***
Rear Merivale Rd. Ottawa ON K1Z 6A5

Database: ***GEN***

Generator No: ON5601283
SIC Code: 531120
SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

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

Site: ***SHELL CANADA PRODUCTS LTD***
MERIVALE RD OTTAWA ON

Database: ***PRT***

Location ID: 11000
Type: retail
Expiry Date: 1995-12-31
Capacity (L): 8280000
Licence #: 0022412017

Site: ***Camelot Golf & Country Club***
Activity Location: Lots 19 & 20, Concession 1 City of Ottawa CITY OF OTTAWA ON

Database: ***PTTW***

EBR Registry No: IA06E0646
Ministry Ref No: 7667-6PDU7W
Notice Type: Instrument Decision
Notice Stage:
Notice Date: July 20, 2006
Proposal Date: May 18, 2006
Year: 2006
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Camelot Golf & Country Club
Site Address:
Location Other:
Proponent Name:
Proponent Address: 906 Quigley Road, P.O. Box 310, 906 Quigley Road, P.O. Box 310, Ottawa Ontario, K4C 1E7
Comment Period:
URL:

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

Site Location Details:

Activity Location: Lots 19 & 20, Concession 1 City of Ottawa CITY OF OTTAWA

Site: ***Veolia ES Canada Industrial Services Inc.***
East shoulder of Prince of Wales Drive Ottawa ON

Database: ***SPL***

Ref No: 7471-9DGR68
Year:
Incident Dt: 2013/11/15
Dt MOE Arvl on Scn:
MOE Reported Dt: 2013/11/15
Dt Document Closed:
Site No:
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: East shoulder of Prince of Wales Drive<UNOFFICIAL>
Site Address: East shoulder of Prince of Wales Drive
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:

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

Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: Leak/Break
Incident Preceding Spill:
Environment Impact: Not Anticipated
Health Env Consequence:
Nature of Impact: Other Impact(s)
Contaminant Qty: 20 L
System Facility Address:
Client Name: Veolia ES Canada Industrial Services Inc.
Client Type:
Source Type:
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Incident Reason: Equipment Failure
Incident Summary: Veolia ES: 20 L of hydraulic oil to shoulder
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Motor Vehicle
SAC Action Class: Land Spills
Call Report Locatn Geodata:

Site: ***ROYAL CANADIAN MOUNTED POLICE***
ROYAL CANADIAN MOUNTED POLICE HQ OTTAWA CITY ON

Database: ***SPL***

Ref No: 31732
Year:
Incident Dt: //
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/26/1990
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: UNDERGROUND TANK LEAK
Incident Preceding Spill:
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:

Municipality No: 20101
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved: EPS, FRANCIS FUELS, PUBLIC WORKS

Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND / WATER
Incident Reason: UNKNOWN
Incident Summary: BACKENTRY- FUEL OIL FROM AN UNKNOWN SOURCE FOUND IN PIT ON RCMP PROPERTY
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Site: ***ONTARIO HYDRO***
MERIVALE RD TRANSFORMER STATION TRANSFORMER NEPEAN CITY ON

Database: ***SPL***

Ref No: 5847
Year:
Incident Dt: 6/29/1988
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/29/1988
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: NEPEAN CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: COOLING SYSTEM LEAK
Incident Preceding Spill:
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: EQUIPMENT FAILURE
Incident Summary: ONT HYDRO - 10 L PYRANOL TO GROUND AT TRANSFORMER STATION.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Municipality No: 20104
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Site:
lot 20 con A ON

Database: ***WWIS***

Well ID: 1527014
Flowing (Y/N):

Construction Date:
Use 1st: Municipal
Use 2nd:
Final Well Status: Recharge Well
Water Type:
Casing Material:
Audit No: 126202
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 03/03/1993
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4006
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession: A
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10048696
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/15/1993
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931065785
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: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065788
Layer: 4
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 06

Material 2 Desc: SILT
Material 3: 11
Material 3 Desc: GRAVEL
Formation Top Depth: 46.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065789
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: 50.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065787
Layer: 3
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 06
Material 2 Desc: SILT
Material 3: 05
Material 3 Desc: CLAY
Formation Top Depth: 8.0
Formation End Depth: 46.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065786
Layer: 2
Color: 2
General Color: GREY
Material 1: 28
Material 1 Desc: SAND
Material 2: 10
Material 2 Desc: COARSE SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112139
Layer: 1
Plug From: 5.0
Plug To: 20.0

Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961527014
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10597266
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930085178
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 55.0
Casing Diameter: 12.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930085179
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326432
Layer: 1
Slot: 030
Screen Top Depth: 46.0
Screen End Depth: 51.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 6.0

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991527014
Pump Set At:
Static Level: 29.0
Final Level After Pumping: 49.0
Recommended Pump Depth: 50.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 99
Pumping Duration MIN: 59
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934653728
Test Type:
Test Duration: 45
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934902522
Test Type:
Test Duration: 60
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934393218
Test Type:
Test Duration: 30
Test Level: 41.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109583
Test Type:
Test Duration: 15
Test Level: 13.0
Test Level UOM: ft

Water Details

Water ID: 933486487
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 53.0
Water Found Depth UOM: ft

Site:
lot 19 ON

Database:
WWIS

Well ID: 1525426
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: 100036
Tag:
Constructn Method:
Elevation (m):

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/18/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON

Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Lot: 019
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047164
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/10/1991
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933111195
Layer: 1
Plug From: 0.0
Plug To: 100.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525426
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10595734
Casing No: 1
Comment:
Alt Name:

Site:
lot 20 con A ON

Database: ***WWIS***

Well ID: 1521318
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 04604
Tag:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 05/20/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1

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

Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession: A
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043140
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/20/1987
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931047556
Layer: 2
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047557
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 78
Material 2 Desc: MEDIUM-GRAINED
Material 3:
Material 3 Desc:
Formation Top Depth: 27.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931047555
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	79
Material 2 Desc:	PACKED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961521318
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10591710
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930075322
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	30.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930075323
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	65.0
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:	991521318
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	50.0
Pumping Rate:	10.0

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

Draw Down & Recovery

Pump Test Detail ID: 934651663
Test Type: Draw Down
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105997
Test Type: Draw Down
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390096
Test Type: Draw Down
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909451
Test Type: Draw Down
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933478825
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 56.0
Water Found Depth UOM: ft

Site:
lot 17 ON

Database: ***WWIS***

Well ID: 1525050
Construction Date:
Use 1st: Domestic
Use 2nd: Cooling And A/C
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 74627
Tag:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/29/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3749
Form Version: 1

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

Owner:
County: OTTAWA-CARLETON
Lot: 017
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046792
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/24/1990
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931059903
Layer: 4
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 62.0
Formation End Depth: 72.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059901
Layer: 2
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 43.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059900
Layer: 1
Color: 8
General Color: BLACK
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: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059904
Layer: 5
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: 72.0
Formation End Depth: 130.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059902
Layer: 3
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 77
Material 2 Desc: LOOSE
Material 3:
Material 3 Desc:
Formation Top Depth: 43.0
Formation End Depth: 62.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111011
Layer: 1
Plug From: 6.0
Plug To: 30.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525050
Method Construction Code: 4

Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595362
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081949
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 74.0
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: 991525050
Pump Set At:
Static Level: 24.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 120.0
Pumping Rate: 24.0
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: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934904620
Test Type: Draw Down
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111059
Test Type: Draw Down
Test Duration: 15
Test Level: 34.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655826
Test Type: Draw Down
Test Duration: 45
Test Level: 60.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386466
Test Type: Draw Down
Test Duration: 30
Test Level: 49.0
Test Level UOM: ft

Site:
con 1 ON

Database: ***WWIS***

Well ID: 1534064
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 248010
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/09/2003
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10543179
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/12/2003
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961534064
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11091749
Casing No: 1

Comment:
Alt Name:

Site:
lot 18 ON

Database:
WWIS

Well ID:	1533714	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:		***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Abandoned-Other	***Date Received:***	05/27/2003
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	257729	***Contractor:***	6907
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	018
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10537548	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/24/2002	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Method of Construction & Well Use

Method Construction ID:	961533714
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID:	11086118
Casing No:	1
Comment:	
Alt Name:	

Site:
con 1 ON

Database:
WWIS

Well ID:	1532635	***Flowing (Y/N):***	

Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Abandoned-Quality
Water Type:
Casing Material:
Audit No: 235219
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/17/2002
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4006
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10523764
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/05/2001
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961532635
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11072334
Casing No: 1
Comment:
Alt Name:

Site:
con A ON

Database: ***WWIS***

Well ID: 1532634
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No: 235222
Tag:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/17/2002
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4006
Form Version: 1

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

Owner:
County: OTTAWA-CARLETON
Lot:
Concession: A
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10523763
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/05/2001
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961532634
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11072333
Casing No: 1
Comment:
Alt Name:

Site:
con 1 ON

Database: ***WWIS***

Well ID: 1528855
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 135092
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/21/1996
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6629
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:

Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050391
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/27/1995
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931071018
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 81
Material 2 Desc: SANDY
Material 3: 66
Material 3 Desc: DENSE
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071021
Layer: 4
Color: 2
General Color: GREY
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 94.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071019
Layer: 2
Color: 3
General Color: BLUE
Material 1: 05

Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931071020
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: 55.0
Formation End Depth: 94.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528855
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10598961
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088072
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 58.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 991528855
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 65.0
Recommended Pump Depth: 90.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft

Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method:
Pumping Duration HR: 1
Pumping Duration MIN: 15
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934907069
Test Type: Draw Down
Test Duration: 60
Test Level: 65.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389369
Test Type: Draw Down
Test Duration: 30
Test Level: 65.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105744
Test Type: Draw Down
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658544
Test Type: Draw Down
Test Duration: 45
Test Level: 65.0
Test Level UOM: ft

Water Details

Water ID: 933488724
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 85.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488725
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 97.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488726
Layer: 3
Kind Code: 1

Kind: FRESH
Water Found Depth: 103.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528704
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154348
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/25/1995
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050240
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/08/1995
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113637
Layer: 1
Plug From: 0.0
Plug To: 5.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113638
Layer: 2
Plug From: 5.0
Plug To: 16.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528704
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598810
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087804
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 16.0
Casing Diameter: 24.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326601
Layer: 1
Slot:
Screen Top Depth: 6.0
Screen End Depth: 16.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 24.0

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1528703
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154347
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/25/1995
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050239
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/08/1995
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113635
Layer: 1
Plug From: 0.0
Plug To: 4.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113636
Layer: 2
Plug From: 4.0
Plug To: 10.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528703
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598809
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087803
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	933326600
Layer:	1
Slot:	100
Screen Top Depth:	5.0
Screen End Depth:	10.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.0

Site:
lot 18 ON

Database:
WWIS

Well ID:	1528702	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Abandoned-Other	***Date Received:***	08/25/1995
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	154346	***Contractor:***	6844
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	018
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10050238	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/08/1995	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Annular Space/Abandonment Sealing Record

Plug ID:	933113634
Layer:	2
Plug From:	4.0
Plug To:	10.0
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113633

Layer: 1
Plug From: 0.0
Plug To: 4.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528702
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598808
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087802
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326599
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528701
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154345
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/25/1995
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Municipality: NEPEAN TOWNSHIP
Site Info:

Bore Hole Information

Bore Hole ID: 10050237
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/08/1995
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113631
Layer: 1
Plug From: 0.0
Plug To: 5.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113632
Layer: 2
Plug From: 5.0
Plug To: 15.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528701
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 10598807
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087801
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15.0
Casing Diameter: 2.0

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326598
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 15.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Site:
lot 18 ON

Database: ***WWIS***

Well ID: 1528700
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 154344
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/25/1995
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050236
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/08/1995
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Annular Space/Abandonment Sealing Record

Plug ID: 933113630
Layer: 2
Plug From: 5.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933113629
Layer:	1
Plug From:	0.0
Plug To:	5.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528700
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID:	10598806
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930087800
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	10.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933326597
Layer:	1
Slot:	100
Screen Top Depth:	5.0
Screen End Depth:	10.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.0

Site:
con 1 ON

Database:
WWIS

Well ID:	1528250	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Observation Wells	***Date Received:***	10/24/1994
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	151799	***Contractor:***	6844
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	

Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049789
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/11/1994
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931069086
Layer: 2
Color: 6
General Color: BROWN
Material 1: 08
Material 1 Desc: FINE SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931069085
Layer: 1
Color: 6
General Color: BROWN
Material 1: 01
Material 1 Desc: FILL
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 78
Material 3 Desc: MEDIUM-GRAINED
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113110
Layer: 3
Plug From: 5.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113108
Layer: 1
Plug From: 1.0
Plug To: 4.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113109
Layer: 2
Plug From: 4.0
Plug To: 5.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528250
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598359
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087025
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326510
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID:	933487871
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	7.0
Water Found Depth UOM:	ft

Site:
lot 18 ON

Database:
WWIS

Well ID:	1528066	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Observation Wells	***Date Received:***	07/28/1994
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	149115	***Contractor:***	6844
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	018
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10049606	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06/23/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Overburden and Bedrock Materials Interval

Formation ID:	931068463
Layer:	2
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	79
Material 2 Desc:	PACKED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0

Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068464
Layer: 3
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 66
Material 2 Desc: DENSE
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068465
Layer: 4
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 85
Material 2 Desc: SOFT
Material 3: 74
Material 3 Desc: LAYERED
Formation Top Depth: 4.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068462
Layer: 1
Color: 8
General Color: BLACK
Material 1: 00
Material 1 Desc: UNKNOWN TYPE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112937
Layer: 2
Plug From: 2.0
Plug To: 4.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112938
Layer: 3
Plug From: 4.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112936
Layer: 1
Plug From: 0.0
Plug To: 2.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528066
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598176
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086683
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326486
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID: 933487649
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 7.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID:	1528065	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Observation Wells	***Date Received:***	07/28/1994
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	149103	***Contractor:***	6844
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	018
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10049605	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06/23/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Overburden and Bedrock Materials Interval

Formation ID:	931068459
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	66
Material 2 Desc:	DENSE
Material 3:	
Material 3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	2.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068461
Layer:	5
Color:	2

General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 85
Material 2 Desc: SOFT
Material 3: 74
Material 3 Desc: LAYERED
Formation Top Depth: 4.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068457
Layer: 1
Color: 8
General Color: BLACK
Material 1: 00
Material 1 Desc: UNKNOWN TYPE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068460
Layer: 4
Color: 6
General Color: BROWN
Material 1: 08
Material 1 Desc: FINE SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068458
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112933
Layer: 1
Plug From: 0.0
Plug To: 2.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112934
Layer: 2
Plug From: 2.0
Plug To: 4.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112935
Layer: 3
Plug From: 4.0
Plug To: 10.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528065
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598175
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086682
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326485
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID:	933487648
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	7.0
Water Found Depth UOM:	ft

Site:
lot 18 ON

Database:
WWIS

Well ID:	1528064	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Observation Wells	***Date Received:***	07/28/1994
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	149102	***Contractor:***	6844
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	018
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10049604	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06/23/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
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:			

Overburden and Bedrock Materials Interval

Formation ID:	931068455
Layer:	2
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	79
Material 2 Desc:	PACKED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0

Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068456
Layer: 3
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 85
Material 2 Desc: SOFT
Material 3: 74
Material 3 Desc: LAYERED
Formation Top Depth: 1.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068454
Layer: 1
Color: 8
General Color: BLACK
Material 1: 00
Material 1 Desc: UNKNOWN TYPE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112930
Layer: 1
Plug From: 0.0
Plug To: 2.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112932
Layer: 3
Plug From: 4.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112931
Layer: 2
Plug From: 2.0
Plug To: 4.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528064
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598174
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086681
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326484
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID: 933487647
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 6.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528063
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149101
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/28/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049603
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/23/1994
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068451
Layer: 3
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 66
Material 2 Desc: DENSE
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068450
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068449
Layer: 1

Color: 8
General Color: BLACK
Material 1: 00
Material 1 Desc: UNKNOWN TYPE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068452
Layer: 4
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 66
Material 2 Desc: DENSE
Material 3:
Material 3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068453
Layer: 5
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112929
Layer: 3
Plug From: 3.0
Plug To: 13.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112928
Layer: 2
Plug From: 2.0
Plug To: 3.0
Plug Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID:	933112927
Layer:	1
Plug From:	0.0
Plug To:	2.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528063
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10598173
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930086680
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	13.0
Casing Diameter:	2.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	933326483
Layer:	1
Slot:	100
Screen Top Depth:	3.0
Screen End Depth:	13.0
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.0

Water Details

Water ID:	933487646
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	8.0
Water Found Depth UOM:	ft

Site:
lot 18 ON

Database:
WWIS

Well ID:	1528062	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Not Used	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Observation Wells	***Date Received:***	07/28/1994

Water Type:
Casing Material:
Audit No: 149100
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049602
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/22/1994
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068447
Layer: 3
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 66
Material 2 Desc: DENSE
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068446
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0

Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068448
Layer: 4
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 85
Material 2 Desc: SOFT
Material 3: 74
Material 3 Desc: LAYERED
Formation Top Depth: 4.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068445
Layer: 1
Color: 8
General Color: BLACK
Material 1: 00
Material 1 Desc: UNKNOWN TYPE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112926
Layer: 3
Plug From: 4.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112924
Layer: 1
Plug From: 0.0
Plug To: 2.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112925
Layer: 2
Plug From: 2.0
Plug To: 4.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528062
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598172
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086679
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326482
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID: 933487645
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 6.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528061
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149091
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/28/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049601
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/22/1994
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068443
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 77
Material 2 Desc: LOOSE
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068442
Layer: 1
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 28
Material 2 Desc: SAND
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068444
Layer: 3

Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 74
Material 2 Desc: LAYERED
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 5.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112921
Layer: 1
Plug From: 3.0
Plug To: 3.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112923
Layer: 3
Plug From: 4.0
Plug To: 15.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112922
Layer: 2
Plug From: 3.0
Plug To: 4.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528061
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598171
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086678
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15.0
Casing Diameter: 2.0
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326481
Layer: 1
Slot: 100
Screen Top Depth: 5.0
Screen End Depth: 15.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID: 933487644
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 10.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 1528060
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 149098
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/28/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049600
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/22/1994
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID:	931068440
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	77
Material 2 Desc:	LOOSE
Material 3:	
Material 3 Desc:	
Formation Top Depth:	1.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068441
Layer:	4
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	74
Material 2 Desc:	LAYERED
Material 3:	11
Material 3 Desc:	GRAVEL
Formation Top Depth:	5.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068438
Layer:	1
Color:	8
General Color:	BLACK
Material 1:	16
Material 1 Desc:	DOLOMITE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	0.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068439
Layer:	2
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	79
Material 2 Desc:	PACKED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0

Formation End Depth: 1.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112918
Layer: 1
Plug From: 3.0
Plug To: 3.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112920
Layer: 3
Plug From: 4.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112919
Layer: 2
Plug From: 3.0
Plug To: 4.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961528060
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598170
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086677
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 10.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326480
Layer: 1
Slot: 010
Screen Top Depth: 5.0

Screen End Depth: 10.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 2.0

Water Details

Water ID: 933487643
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 7.0
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
WWIS

Well ID: 1527942
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: 139317
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/09/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3142
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049484
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/03/1994
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931068042
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: 70.0
Formation End Depth: 97.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068040
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068041
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: 16.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933112804
Layer: 1
Plug From: 0.0
Plug To: 21.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961527942
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598054
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930086443
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	97.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930086442
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991527942
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	80.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	10.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934111811
Test Type:	
Test Duration:	15
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386620
Test Type:	
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 934655949
Test Type:
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904319
Test Type:
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933487482
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 84.0
Water Found Depth UOM: ft

Water Details

Water ID: 933487483
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 93.0
Water Found Depth UOM: ft

Site:
con A ON

Database: ***WWIS***

Well ID: 1527904
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No: 143953
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 04/26/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6841
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: A
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049459
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9

Date Completed:
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:

UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961527904
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598029
Casing No: 1
Comment:
Alt Name:

Site:
lot 17 ON

Database: ***WWIS***

Well ID: 1525217
Construction Date:
Use 1st: Domestic
Use 2nd: Cooling And A/C
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 91530
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/10/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 017
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046958
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/26/1990
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931060480
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 01
Material 2 Desc: FILL
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060481
Layer: 2
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 77
Material 2 Desc: LOOSE
Material 3:
Material 3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060482
Layer: 3
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 61.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060483
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: 68.0
Formation End Depth: 130.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111130
Layer: 1
Plug From: 8.0
Plug To: 26.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525217
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10595528
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082226
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 71.0
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: 991525217
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 21.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933484125

Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 124.0
Water Found Depth UOM: ft

Water Details

Water ID: 933484124
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 86.0
Water Found Depth UOM: ft

Site:
lot 18 ON

Database:
WWIS

Well ID: 1526813
Construction Date:
Use 1st: Not Used
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 116877
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY (NEPEAN)
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/08/1992
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6587
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 018
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10048501
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/19/1992
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: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931065250
Layer: 3
Color: 6
General Color: BROWN
Material 1: 11

Material 1 Desc: GRAVEL
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 13.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065249
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 2.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065251
Layer: 4
Color: 6
General Color: BROWN
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931065248
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 85
Material 2 Desc: SOFT
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111979
Layer: 1

Plug From: 0.0
Plug To: 17.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526813
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10597071
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930084938
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

Construction Record - Screen

Screen ID: 933326431
Layer: 1
Slot: 060
Screen Top Depth: 23.0
Screen End Depth: 26.0
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 4.0

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991526813
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 20.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934392612
Test Type:
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653125
Test Type:
Test Duration: 45
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910316
Test Type:
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934108978
Test Type:
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933486256
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 24.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-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 2022

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-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 -May 2024

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-May 2024

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Jun 30, 2024

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Jun 30, 2024

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994 - Jun 30, 2024

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Jun 30, 2024

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Mar 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 ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2023

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-Jun 2024

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2022

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020: Federal NPR2

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

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-May 31, 2024

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Jun 30, 2024

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Jun 30, 2024

NPRI Reporters - PFAS Substances: Federal PFCH

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

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Jun 30, 2024

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

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

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

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in Mar 2023-Mar 2024, May 2024 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Jan 2023; see description

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Jun 30, 2024

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: 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.

ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property:	Leikin Dr, Ottawa, ON 20 Leikin Drive Nepean ON K2C 3H1
Project No:	
Requested By:	Geosyntec Consultants
Order No:	21020500082
Date Completed:	February 08, 2021

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

Decade	Year	Image Scale	Source
1940	1945	15000	NAPL
1950	1958	12000	NAPL
1980	Not Available		

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

0 0.125 0.25 0.5
Kilometers

Order Number: 21020500082

Year: 1945
Source: NAPL
Map Scale: 1: 10000
Comments:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

0 0.125 0.25 0.5
Kilometers

Order Number: 21020500082

Year: 1958
Source: NAPL
Map Scale: 1: 10000
Comments:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

APPENDIX E

REGULATORY AGENCY RESPONSES

Ontario

Ministry of the Environment, Conservation and Parks

Freedom of Information Request for Property Information

Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (*) are mandatory.

Are you: *

☑ Submitting a new FOI Request for Property Information

☐ Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) * 1900/01/01

To (yyyy/mm/dd) * 2024/10/07

Type of Record(s) *

☑ All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations

☑ Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:
https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch
- RSC records filed after July 2011 are available at: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en

☐ Other Specific Document(s)

Type of Approval/Registration *

☑ Drinking Water Licenses

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Pesticide Licenses

Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Permits to Take Water

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

Water Source *

☑ Groundwater ☑ Surface Water

☑ Noise Vibrations Approvals/Registrations

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Air Emissions Approvals/Registrations

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Water - Industrial discharge

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

☑ Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

☐ No Supporting Documents ☑ All Supporting Documents ☐ Some Supporting Documents

Company Name

☑ Waste Generator Registration - number/class

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

Section 2 – Requester Information

Last Name * Wallace

First Name * Brooke

Middle Initial

Business/Organization Name (if applicable or indicate "N/A") * Geosyntec Consultants International, Inc.

Project/Reference Number (if applicable)

Are you submitting this request on behalf of a client? *

☑ Yes ☐ No

Please upload an authorization/consent form from your client in Section 6 (Supporting Documentation)

Name of Client

Last Name * Beach

First Name * Russell

Business/Organization Name (if applicable or indicate "N/A") * Medusa LP

Mailing Address

Unit Number 290

Street Number * 295

Street Name * Hagey Boulevard

PO Box

City/Town * Waterloo

Province * ON

Postal Code * N2L 6R5

Telephone Number * 519-515-1321

ext.

Email Address * bwallace@geosyntec.com

Is there an alternate contact (e.g. office admin)? *

☐ Yes ☑ No

Section 3 – Current Property Address Information

Is the property a:

☐ Park ☐ Lake ☐ First Nation Band ☐ Wind Farm ☐ Federal Land ☐ Island ☐ Unsurveyed Land

Are you requesting information about multiple addresses? *

☑ Yes ☐ No

Please only submit a request with multiple addresses if the property is one site. To be considered one site, addresses must be adjacent to each other and owned by the same owner(s).

Do the multiple addresses belong to one site? *

☑ Yes ☐ No

Please submit a separate FOI request for each address.

Site Name

Property Address

Address 1

Unit Number

Street Number 20

Street Name Leikin Drive

Full Lot Number | Concession | Geographic Township

City/Town/Village *
Ottawa

Closest Intersection
Leikin Drive and Merivale Road

Address 2

Unit Number | Street Number | Street Name
20 | Leikin Drive

Full Lot Number | Concession | Geographic Township

City/Town/Village *
Ottawa

Closest Intersection
Leikin Drive and Merivale Road

Address 3

Unit Number | Street Number | Street Name
99 | Bill Leathem Drive

Full Lot Number | Concession | Geographic Township

City/Town/Village *
Ottawa

Closest Intersection
Longfields Drive and Bill Leathem Drive

Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? *

☐ Yes ☑ No

Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.

Current Property Owner/Tenant

Address 1

20 Leikin Drive
Ottawa

Owner Name
Medusa Limited Partnership

Date of Ownership (yyyy/mm/dd)
2021/11/16

Tenant Name

Address 2

20 Leikin Drive
Ottawa

Owner Name: Medusa Limited Partnership

Date of Ownership (yyyy/mm/dd): 2021/11/16

Tenant Name:

Address 3

99 Bill Leathem Drive
Ottawa

Owner Name: Medusa Limited Partnership

Date of Ownership (yyyy/mm/dd): 2021/11/16

Tenant Name:

Section 6 – Supporting Documents

Please attach an authorization/consent form.

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name: MECP FOI Consent Letter - South Merivale - signed.pdf

   Total File Size: 0.12 MB

Payment confirmation number: 30654974

Ministry of the Environment, Conservation and Parks

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

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

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

Ontario

October 7, 2024

Brooke Wallace
Geosyntec Consultants International, Inc.
295 Hagey Boulevard, Unit 290
Waterloo, Ontario N2L 6R5
bwallace@geosyntec.com

Dear Brooke Wallace:

RE: **MECP FOI A-2024-06612 – Acknowledgement Letter**

The Ministry is in receipt of your request made pursuant to the Freedom of Information and Protection of Privacy Act. **The search will be conducted on the following:**

2 and 20 Leikin Drive and 99 Bill Leathem Drive, Ottawa

Timeframe: January 1st, 1900 to October 7th, 2024

If there is any discrepancy, please contact us immediately.

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

If you have any questions, please contact Adeolu Paul-Taiwo at adeolu.paul-taiwo@ontario.ca.

Yours truly,
Adeolu Paul-Taiwo
MECP Access and Privacy Office

Ministry of the Environment, Conservation and Parks

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

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

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

Ontario

October 9, 2024

Ms. Brooke Wallace
Geosyntec Consultants International, Inc.
295 Hagey Boulevard, Unit 290
Waterloo, Ontario N2L 6R5
bwallace@geosyntec.com

Dear Brooke Wallace:

RE: **MECP FOI A-2024-06612 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

> 2 and 20 Leikin Drive and 99 Bill Leathem Drive, Ottawa
> Timeframe: January 1st, 1900 to October 7th, 2024

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

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

If you have any questions, please contact Roxanne Chambers at 807-456-3035 or roxanne.chambers@ontario.ca.

Yours truly,

Roxanne Chambers

for
Josephine DeSouza
Manager, Access and Privacy Office

From:	Public Information Services
To:	Brooke Wallace
Subject:	RE: Fuel Storage Inquiry
Date:	Wednesday, October 2, 2024 3:24:31 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png image006.png

---

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. 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 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 publicinformationservices@tssa.org.

Kind regards,

Slavka Zahrebelny | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: szahrebelny@tssa.org
www.tssa.org

Winner of 2024 5-Star Safety Cultures Award

From: Brooke Wallace <BWallace@Geosyntec.com>
Sent: Wednesday, October 2, 2024 3:08 PM
To: Public Information Services <publicinformationservices@tssa.org>
Cc: Hadiqa Butt <Hadiqa.Butt@Geosyntec.com>; Kelvin Journal <Kelvin.Journal@Geosyntec.com>
Subject: Fuel Storage Inquiry

Hello,

Please conduct a search for any records pertaining to fuel storage for the following addresses:

- 99 Bill Leathem Drive, Ottawa (Nepean), ON
- 2 Leikin Drive, Ottawa (Nepean), ON
- 20 Leikin Drive, Ottawa (Nepean), ON

Thank you,

Brooke Wallace, B.Sc.
Environmental Scientist
Geosyntec Consultants International, Inc.
130 Stone Road West, Guelph, ON N1G 3Z2
Office: 519.515.1321
Mobile: 289.264.7908
(she/her)

GEOSYNTEC | SIREM | SAVRON

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Geosyntec consultants

424 – 135 Laurier Avenue West
Ottawa, ON K1P 5J2
PH 343.803.4940
www.geosyntec.com

VIA E-MAIL

July 22, 2021

Medusa LP
c/o Russell Beach
16766 rte Trans-Canada, suite 500
Kirkland, Quebec H9H 4M7

Attention: Mr. Russell Beach
Senior Development Manager
russell.beach@broccolini.com

Subject: Response to Historic Land Use Inventory (HLUI) Request
99 Bill Leathem Drive and 2 & 20 Leikin Drive, Ottawa, Ontario
Geosyntec Reference Number: TR0936B

Dear Mr. Beach:

As requested by Medusa LP, Geosyntec Consultants, Inc. ("Geosyntec") submitted a HLUI request (File Number: D06-03-21-0108) for the properties at 99 Bill Leathem Drive and 2 & 20 Leikin Drive in Ottawa, Ontario (collectively, the "Site") in support of the preparation of an Affidavit of Principal Consultant Concerning Environmental Site Assessment (the "Affidavit"). Geosyntec understands that the Affidavit is to be submitted to the City of Ottawa in support of the Site plan approval.

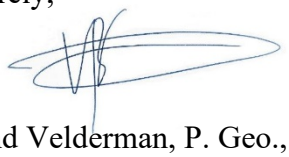
In response to the HLUI request, the City of Ottawa provided Geosyntec with a Response Letter, HLUI Summary Report, and HLUI Map, which are included in **Attachments**. The HLUI Summary Report Excel spreadsheet identifies the HLUI area, point, and line features within 250 metres (m) of the Site, as shown on the HLUI Map. A search of landfills and Environmental Risk Management Areas (ERMAs) was also conducted for properties located within 500 m of the Site. The HLUI Summary Report identified seven records pertaining to current or former commercial/industrial facilities located within 250 m of the Site. No landfills or ERMAs were identified within 500 m of the Site. Further, the Response Letter indicates that the City's Environmental Remediation Unit is in possession of environmental records pertaining to the Site or to properties adjacent to the Site. To access these records, a Freedom of Information (FOI) request must be submitted to the City of Ottawa.

Considering that the above-mentioned environmental records identified in the Response Letter were not identified for the Site in the database report prepared by Environmental Risk Information Services (ERIS), which was obtained as part of Geosyntec's Phase One ESA (Geosyntec, 2021),

the environmental records identified are therefore inferred to be associated with redevelopment activities. As such, we are of the opinion that no further action is needed.

We trust that this letter meets your needs. Should you have any questions or need additional information, please do not hesitate to contact the undersigned.

Sincerely,



Berend Velderman, P. Geo., QP_{ESA}
Senior Consultant

Attachments – HLUI Response

File Number: D06-03-21-0108

July 14, 2021

Michelle Gluck
Geosyntec Consultants
424 - 135 Laurier Ave W
Ottawa, ON K1P 5J2

Sent via email [mgluck@geosyntec.com]

Dear Ms. Gluck,

Re: Information Request
99 Bill Leathem Drive, 2 Leikin Drive and 20 Leikin Drive, Ottawa, Ontario ("Subject Property")

Internal Department Circulation:

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

- **Disposals and Environmental Remediation Unit:** The City's Environmental Remediation Unit has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit https://ottawa.ca/en/city-hall/accountability-and-transparency/accountability-framework/freedom-information-and-protection-privacy/access-information

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.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at https://ero.ontario.ca/ contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed

new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

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

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

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,

Jeffrey Ren

Per:

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

MB / JR

Enclosures: (2)

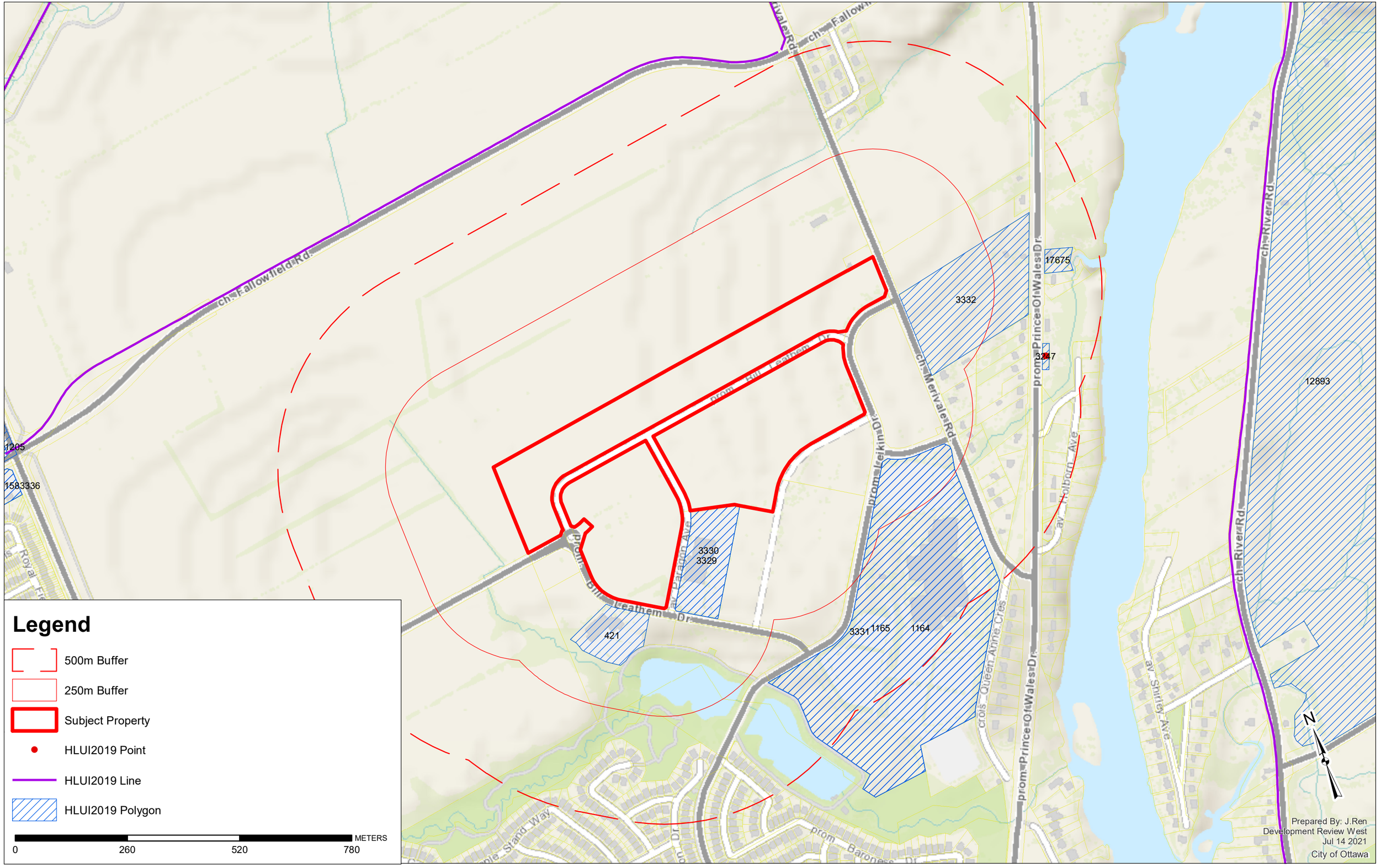
1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-21-0108

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
421	ENBRIDGE CONSUMERS	Gas Distribution Systems	2000-PID; 2001-ES; 2006-ES; 20	1	1991-2016	c. 1991; c.	90	BILL LEATHEM	DR		NEPEAN	90	BILL LEATHEM	DR		K2J0R3	47331450	NEPEAN	221210; 412110	511			499.6795615	16122.90154
1164	JDS UNIPHASE CORPOF	Communication and Other	2000-PID; 2001-ES; 2006-ES	1	2000-2006	c. 2000; c.	3000	MERIVALE	RD		NEPEAN	73	LEIKIN	DR			47336536	NEPEAN	334210; 334290; 334511				2178.992441	226138.4445
1165	LEDUC ELECTRIC LIMITI	Mechanical Specialty Wor	2001-ES	1	2001	c. 2001	3000	MERIVALE	RD		OTTAWA	73	LEIKIN	DR			47336536	NEPEAN	238210				2178.992441	226138.4445
3329	JDS UNIPHASE CORP	Manufacturing	2012-ES	1	2012	ES 2012	61	BILL LEATHEM	DR			61	BILL LEATHEM	DR		K2J0P7	47336645	NEPEAN	335920				719.3025693	26160.05791
3330	LUMENTUM OTTAWA IN	Fiber Optics-Equipment &	2016-PID; 2017-SalesGenie	1	2016-2017	PID2016; S	61	BILL LEATHEM	DR		NEPEAN	61	BILL LEATHEM	DR		K2J0P7	47336645	NEPEAN	541710; 541510; 541380		<Null>		719.3025693	26160.05791
3331	MINTO COMMERCIAL IN	Real estate and rental and	2016-PID	1	2016	PID2016	73	LEIKIN	DR		OTTAWA	73	LEIKIN	DR			47336536	NEPEAN	531120		73 Leikin Drive (formerly 3000 Merivale Road)		2178.992441	226138.4445
3332	WORDS UNLIMITED	Combined Publishing and	2001-ES	2	2001	c. 2001	2883	MERIVALE	RD		NEPEAN	0					47330055		511130		no pin for 2883 - pin is for		1061.302747	61922.55383

Prepared By: *D.Kiar*
City of Ottawa
Environmental Remediation Unit
7/22/2021

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



From: hlui
To: Brooke Wallace
Cc: hlui
Subject: RE: File Number: D06-03-21-0108 - Updated Request
Date: Thursday, October 10, 2024 3:47:27 PM

Good afternoon,
This would be considered as a new application, which would require a new request form.

Regards,

Evode Rwagasore
Planning, Development and Building Services Department (PDBS) |
Services de la planification, de l'aménagement et du bâtiment (DGSPAB)
110 Laurier Av. West | *110, ave Laurier ouest*
Tel. | *tél*. 613.580.2424 ext. | *poste* 16483
City of Ottawa | *Ville d'Ottawa*

From: Brooke Wallace <BWallace@Geosyntec.com>
Sent: October 07, 2024 2:57 PM
To: hlui <hlui@ottawa.ca>
Subject: File Number: D06-03-21-0108 - Updated Request

Good afternoon,

We are requesting whether information is available for the property with the following addresses:

- 99 Bill Leathem Drive, Ottawa (Nepean)
- 2 Leikin Drive, Ottawa (Nepean)
- 20 Leikin Drive, Ottawa (Nepean)

An initial HLUI request for records was submitted for this property in 2021 (File Number: D06-03-21-0108). Please let us know if we should proceed with submitting a new request form.

Thank you,

Brooke Wallace, B.Sc.
Environmental Scientist
Geosyntec Consultants International, Inc.
130 Stone Road West, Guelph, ON N1G 3Z2
Office: 519.515.1321
Mobile: 289.264.7908

(she/her)

GEOSYNTEC | SIREM | SAVRON

Follow Us – LinkedIn | Twitter | Facebook | YouTube
'

'

Office Use Only			
Application Number:	Ward Number:	Application Received: (dd/mm/yyyy):	
Client Service Centre Staff:		Fee Received:	$

Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning, Real Estate and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:** *99 Bill Leathem Drive, 2 Leikin Drive, 20 Leikin Drive*

** Mandatory Field*

***Applicant/Agent Information:**

Company name:	Geosyntec, on behalf of Broccolini Real Estate Group Inc.		
Contact name:	*Brooke Wallace*		
Mailing Address:	*1545 Carling Avenue, Suite 701, Ottawa, ON K1Z 8P9*		
Telephone:	*519-515-1321*	Email Address:	*bwallace@geosyntec.com*

***Registered Property Owner Information:** ☐ Same as above

Name:	*Medusa General Partner Inc.*		
Mailing Address:	*16766 rte Trans-Canada, Suite 500, Kirkland, QC H9H 4M7*		
Telephone:		Email Address:	*russell.beach@broccolini.com*

Site Details

Legal Description and PIN:	*04733-6826 (Pt Lots 18 & 19 Con 1 RF); 04733-6829 (Pt Lots 18 & 19 Con 1 RF Pt 5 4R8388 & Pts 4-6 4R8276); 04733-0484 (Pt Lots 18 & 19 Con 1 RF Pt 3 4R8388 & Pts 7-9 4R8276)*
What is the land currently used for?	*The property is currently comprised of agricultural cropland and open field but is scheduled to be developed for commercial/industrial use.*

Lot frontage: _____ m Lot depth: _____ m Lot area: _____ m²

OR Lot area: (irregular lot) 318,083 m²

Does the site have Full Municipal Services: ○ Yes ◉ No

Required Fees

Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.

Planning Fee	$181.00

Submittal Requirements

The following are required to be submitted with this application:

1. **Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Real Estate and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
3. **A site plan or key plan of the property, its location and particular features.**
4. **Any significant dates or time frames that you would like researched.**

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Geosyntec ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

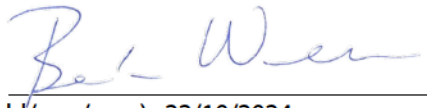
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: 

Dated (dd/mm/yyyy): 22/10/2024

Per: Brooke Wallace

(Please print name)

Title: Environmental Scientist

Company: Geosyntec Consultants International, Inc.

Geosyntec consultants

295 Hagey Boulevard, Suite 290
Waterloo, ON N2L 6R5
PH 519.514.2230
www.geosyntec.com

CONSENT TO DISCLOSE INFORMATION FORM

I Russell Beach a representative of Medusa General Partner Inc., registered owner of 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive in Nepean (Ottawa), Ontario, hereby authorize Geosyntec Consultants International, Inc. to submit a Historic Land Use Inventory (HLUI) Request to the City of Ottawa for the property located at the aforementioned address.

I further authorize the City of Ottawa to disclose the records obtained from the HLUI search for 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive in Nepean (Ottawa), Ontario to Geosyntec Consultants International, Inc.

	Oct 22 2024
Signature of Authorized Representative	Date

443750 444000 444250 444500 444750

5016750 5016500 5016250 5016000

MW04-21
BH05-21
BH06-21
BH07-21
MW03-21
BH10-21
2 Leikin Drive
BH08-21
20 Leikin Drive
MW01-21
BH11-21
BH09-21
99 Bill Leathem Drive
Merivale Rd
Paragon Ave
Leiken Dr
Longfields Dr
Bill Leathem Dr
bing

Legend

- Monitoring Well Location (Geosyntec, 2021)
- Borehole Location (Geosyntec, 2021)
- Sewer Line
- Phase One Property Boundary
- Parcel Boundaries

Notes:
1) Map Projection: NAD 1983 UTM Zone 18N
2) Sanitary Sewer source: https://maps.ottawa.ca/geoottawa/, retrieved April 28, 2021
3) Imagery Bing Maps Aerial: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS

FIGURE 2

Site Layout Map

99 Bill Leathem Drive and
2 and 20 Leikin Drive

OFFICE LOCATION		REVISION
GUELPH		00
DATE PLOTTED	DATE REVISED	REVIEWED
04-Oct-2024	04-Oct-2024	KJ/HB
APPROX. SCALE	PAGE SIZE	CHECKED
1:4,000	11 x 17 in	BW
		DRAWN
		JK

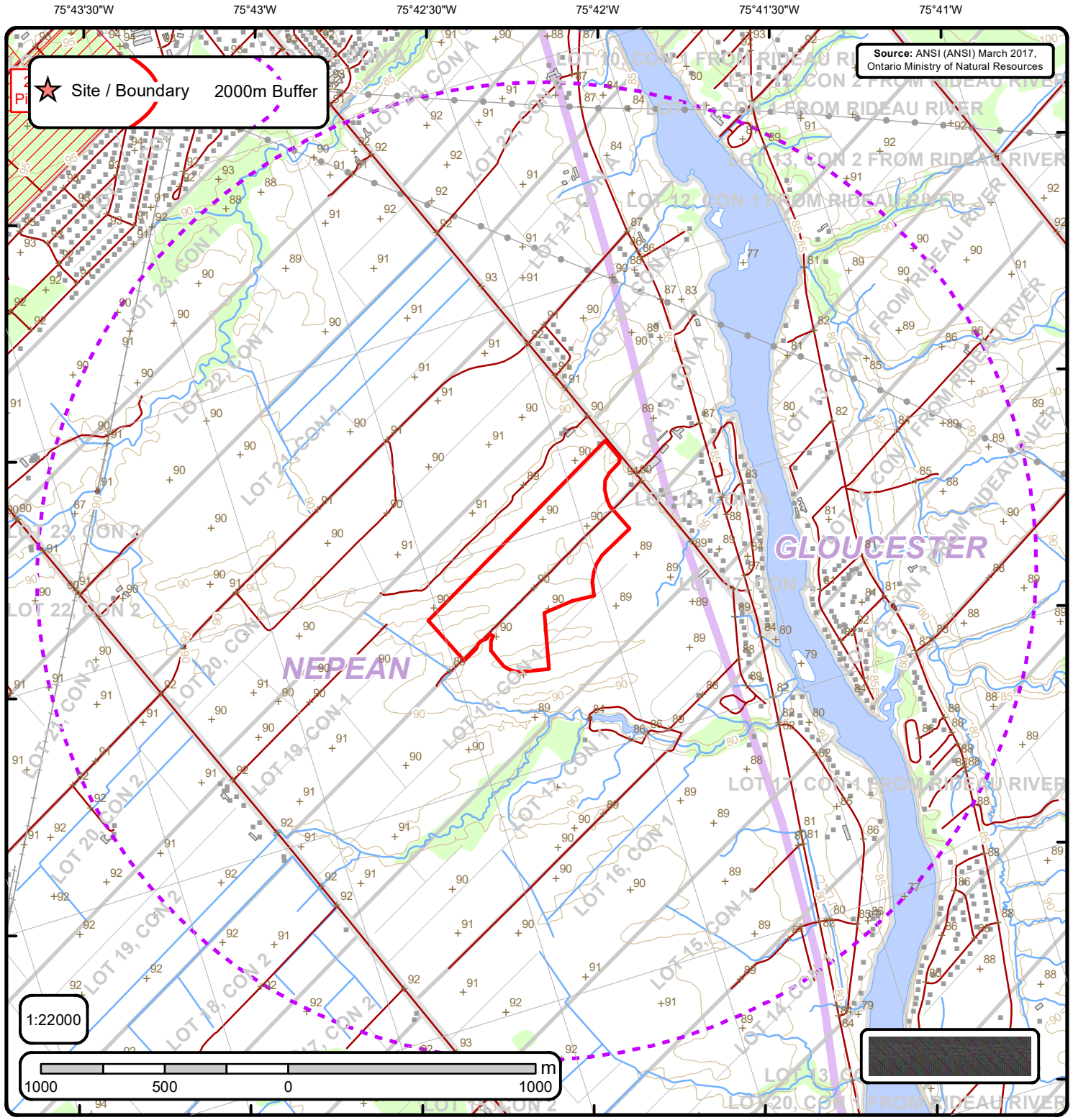
Geosyntec consultants

TRUE NORTH

0 40 80 120 m

APPENDIX F

ERIS MAPS



Area of Natural & Scientific Interest (ANSI) Order No. 21041400366

- Spot Height
- Building Point
- Towers
- Utility Site Point
- Misc. Line
- Railroads
- Roads
- Trail
- Transportation Structure
- Utility Line
- Water Structure
- Drainage Line Feature
- River or Stream
- Airports
- Tanks
- Building to Scale
- Contour Line
- Pit or Quarry
- Waterbody
- Wetlands
- Concession
- Lots
- Municipalitiy
- Land Ownership
- Wooded Area
- Conservation Authority
- Conservation Area
- Municipal Park
- Provincial Park
- National Park
- Nature Reserve
- ANSI Area

[redacted]

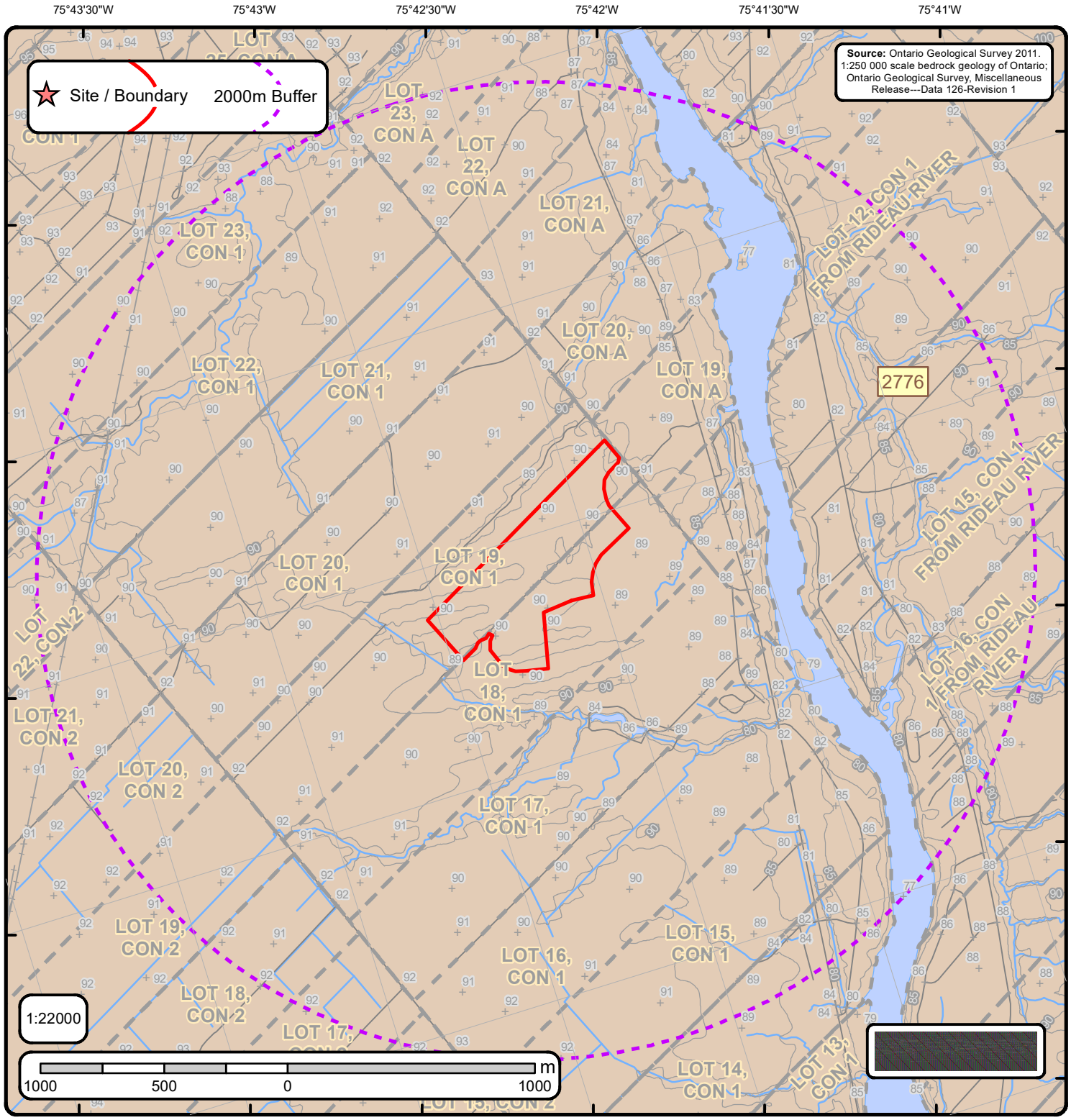
ANSI Report

ANSI Units Found within 2000 m of

99 Bill Leathem Drive and Portions of 2 and 20 Leikin Drive

Order No.
21041400366

No ANSI units found within search area.



Bedrock Geology of Ontario

Order No. 21041400366

Spot Height
Roads
Contour Lines
Streams
Railroads
Lots
Pit or Quarry
Airports
Waterbody
Wetlands

Bedrock Geology Lines

- CONTACT, GEOPHYSICAL, TREND, INTERPRETED
- CONTACT, SHARP, TREND, INTERPRETED
- CONTACT, SHARP, TREND, OBSERVED
- FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- NEATLINE
- ONTARIO BORDER
- Marble, chert, iron formation, minor metavolcanic rocks

Dikes

- Abitibi mafic dike
- Biscotasing mafic dike
- Empey Lake mafic dike
- Felsic to intermediate intrusive rocks
- Fort Frances mafic dike
- Frontenac mafic dike
- Grenville mafic dike
- Logan and Nipigon mafic sills
- Mackenzie mafic dike
- Mafic dikes of uncertain age
- Mafic sills and dikes
- Marathon mafic dike
- Marathon, Kapuskasing or Biscotasing mafic dike
- Matachewan mafic dike
- Mine Centre mafic dike
- Molson mafic dike
- North Channel mafic dike
- Pickle Crow mafic dike (Molson swarm) normal
- Pickle Crow mafic dike (Molson swarm) reverse
- Rideau mafic dike
- Sudbury mafic dike
- Ultramafic, gabbroic and granophyric intrusions
- Unsubdivided mafic dike
- Unsubdivided mafic dike (Keweenawan age)
- unknown

C Lines

- FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION
- FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION

Kimberlite

[redacted]

Bedrock Geology Report

Bedrock Geology units found within 2000 m of

99 Bill Leathem Drive and Portions of 2 and 20 Leikin Drive

Order No. 21041400366

ID: 2776 | **Unit Name:** |

Type (All): 53 | **Type (Primary):** 53 | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Dolostone, sandstone | **Strata (Primary):** Beekmantown Group | **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):** LOWER ORDOVICIAN | **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:

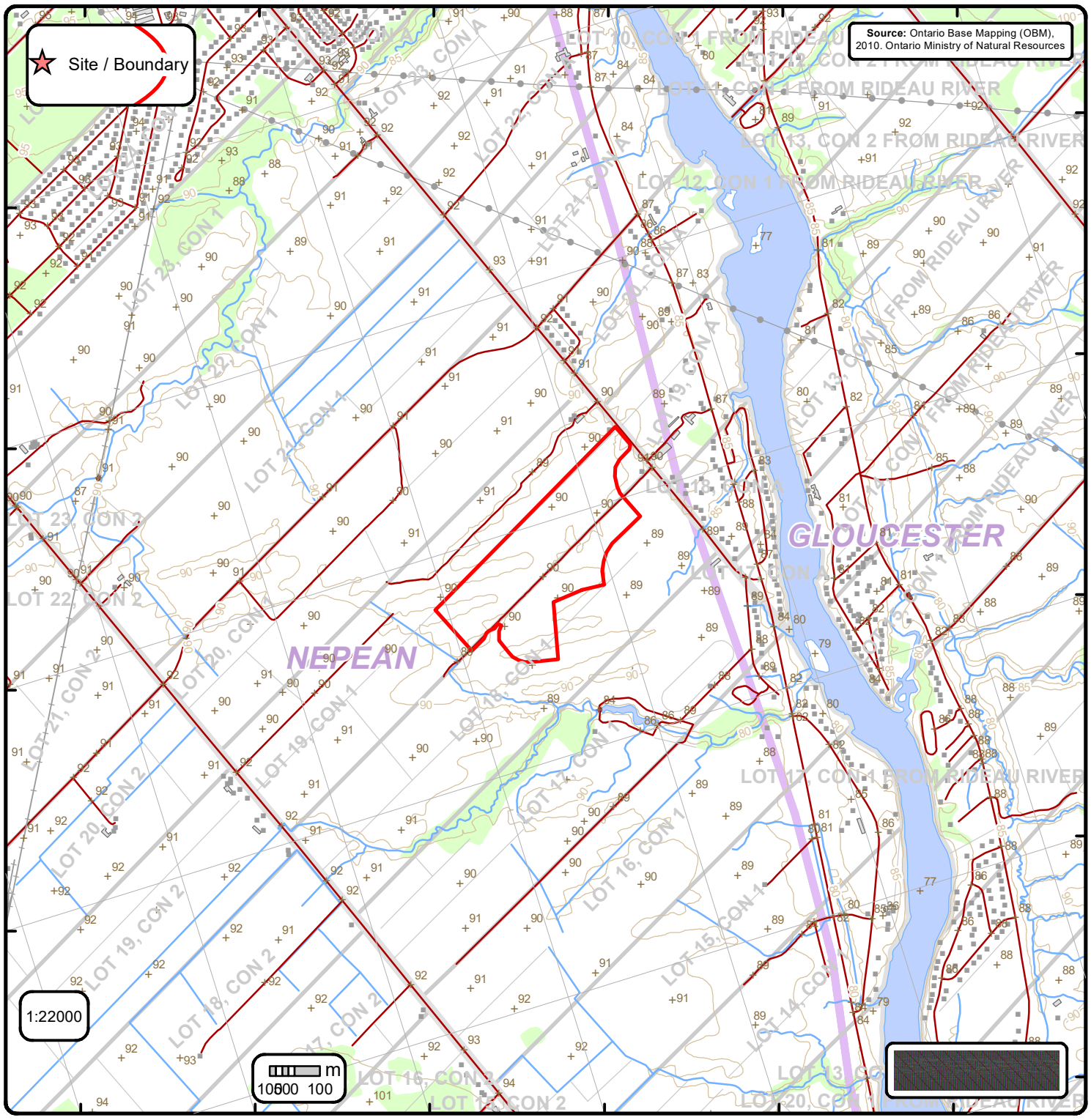
```
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)
```

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:

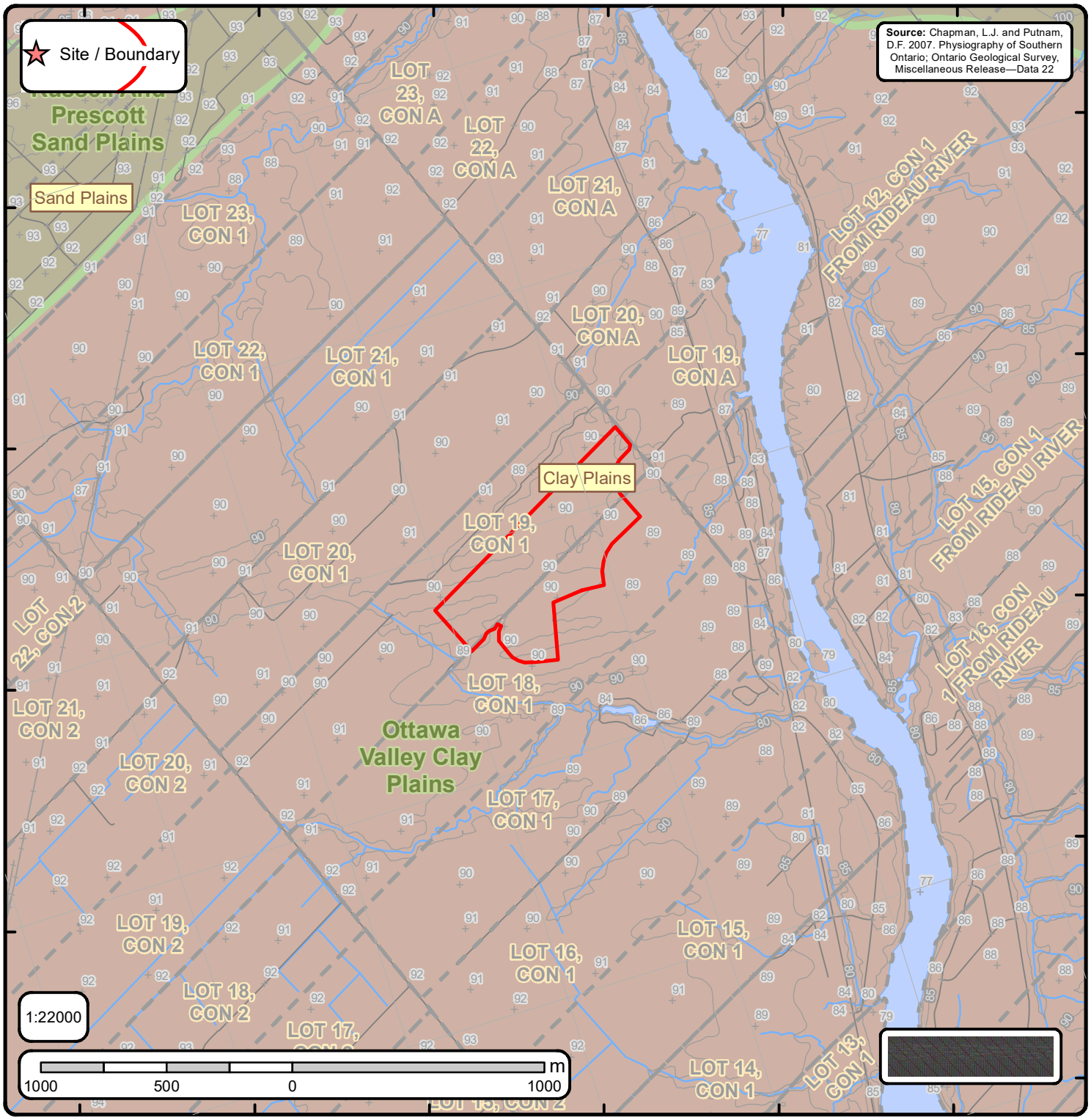
```
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE
```



Ontario Base Mapping (OBM) Data

Order No. 21041400366

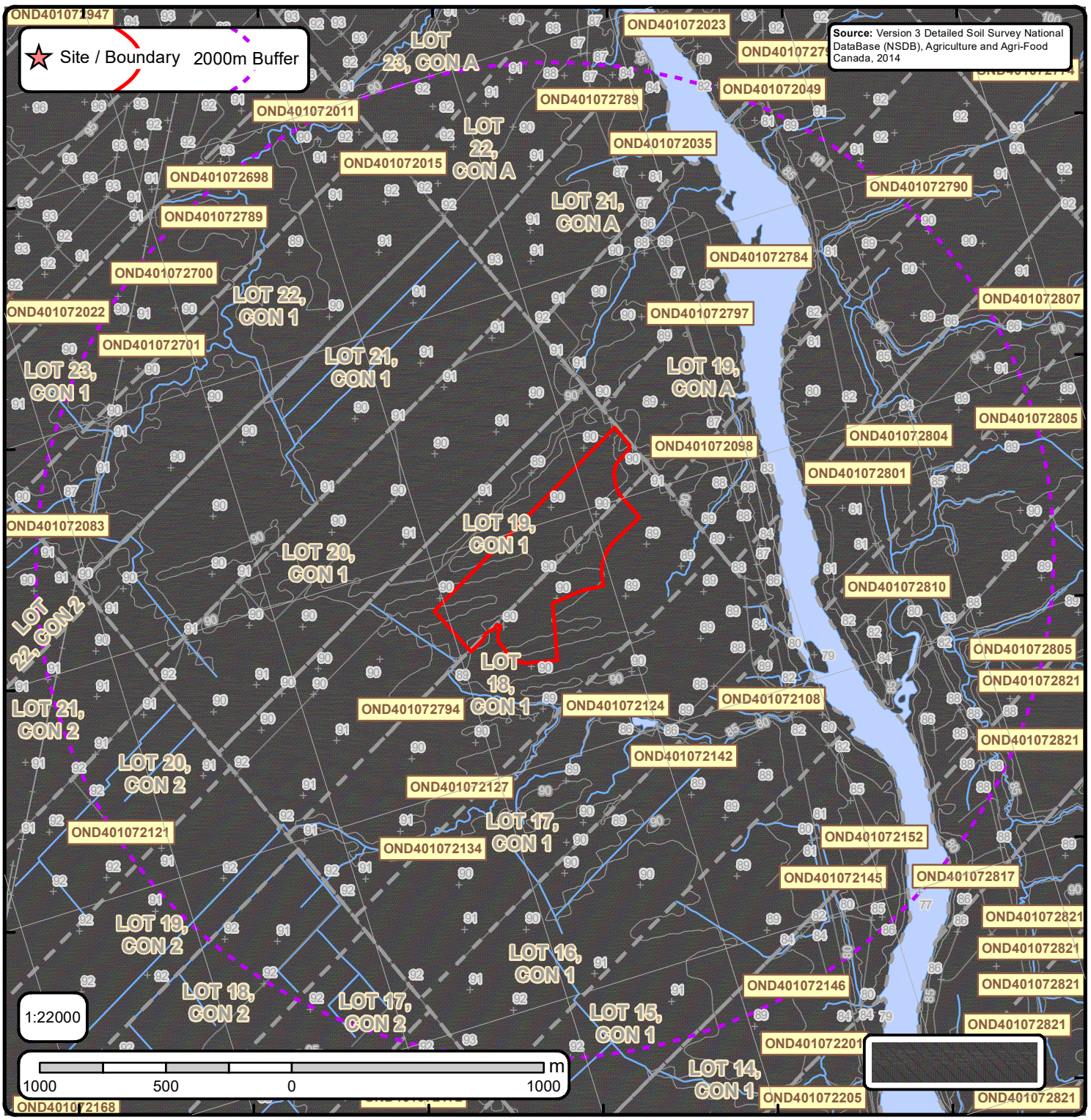
Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	



Physiography of Southern Ontario

Order No. 21041400366

- Spot Height
- Roads
- Railroads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody
- Boulder Pavement
- Dissected Terrain
- Mud Flow Scars
- Sand Dunes
- escarpment
- shorecliff
- shorecliff (weakly developed)
- Physiography Regions
- Bare Rock Ridges And Shallow Till
- Beaches
- Bevelled Till Plains
- Clay Plains
- Drumlins
- Escarpments
- Eskers
- Kame Moraines
- Limestone Plains
- Peat And Muck
- Sand Plains
- Shale Plains
- Shallow Till And Rock Ridges
- Spillways
- Till Moraines
- Till Plains (Drumlinized)
- Till Plains (Undrumlinized)



Detailed Soil Survey (ON Soils)

Order No. 21041400366

- Spot Height
- Railroads
- Roads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody

[redacted]

Soils Report

Soil Map Units Found within 2000 m of

99 Bill Leathem Drive and Portions of 2 and 20 Leikin Drive

Order No.
21041400366

Soil ID: OND401072801

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCST~~~~~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** : medium - moderately fine loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 30 | **Total Silt(%)** : 59 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 2.6 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.156 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-35 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 36 | **Total Sand(%)** : 38 | **Total Silt(%)** : 48 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.847 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 35-110 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 66 | **Total Sand(%)** : 67 | **Total Silt(%)** : 30 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.398 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072801

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: OND401072789

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : Presence of adverse Topography | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072805

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** : Apg | **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 |

Soil ID: OND401072804

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCRP~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **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** : clay loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-28 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 28 | **Total Silt(%)** : 46 | **Total Clay(%)** : 26 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.568 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-43 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 21 | **Total Silt(%)** : 48 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.288 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 43-70 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 20 | **Total Silt(%)** : 49 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.287 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-95 | **Horizon** : BCg | **Layer No** : 4 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 17 | **Total Silt(%)** : 50 | **Total Clay(%)** : 33 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 1.932 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-115 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 18 | **Total Silt(%)** : 48 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.214 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072804

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 |

Soil ID: OND401072784
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZZZ~~~~~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 | **Depth(cm)** : 0-100 | **Horizon** : -- | **Layer No** : 1 | **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: OND401072146
Component No : 2 | **Components(%)** : 30 | **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** : Apg | **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 |

Soil ID: OND401072146
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : Presence of adverse Topography | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072023

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONRDU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-23 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 5 | **Total Silt(%)** : 27 | **Total Clay(%)** : 68 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.31 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 23-29 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 21 | **Total Clay(%)** : 76 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.246 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 29-37 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 18 | **Total Clay(%)** : 81 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.246 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-100 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 22 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072023

Component No : 2 | **Components(%)** : 30 | **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: OND401072145

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONSTA~~~~~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** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 17 | **Total Silt(%)** : 40 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 2.8 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.385 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-50 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 41 | **Total Clay(%)** : 55 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.247 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-75 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 5 | **Total Silt(%)** : 34 | **Total Clay(%)** : 61 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.249 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 75-100 | **Horizon** : Cgk | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 53 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072145
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZSC~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **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** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **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 |

Soil ID: OND401072142
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072124
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 |

Soil ID: OND401072127

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072121

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONCEGM~~~~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** : silt loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-28 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 17 | **Total Silt(%)** : 48 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 2.8 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.404 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-45 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 20 | **Total Silt(%)** : 55 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.293 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 45-56 | **Horizon** : Ae | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 19 | **Total Silt(%)** : 64 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 4.2 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.306 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 56-69 | **Horizon** : Btj | **Layer No** : 4 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 21 | **Total Silt(%)** : 69 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.504 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 69-85 | **Horizon** : BCg | **Layer No** : 5 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 16 | **Total Silt(%)** : 64 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.7 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.248 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 85-100 | **Horizon** : Cg | **Layer No** : 6 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 10 | **Total Silt(%)** : 77 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.237 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072108

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : Presence of adverse Topography | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072083
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **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)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072083
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~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** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072810
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 |

Soil ID: OND401072698
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONALL~~~~~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** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072698
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONSSM~~~~~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** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 29 | **Total Sand(%)** : 75 | **Total Silt(%)** : 16 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 2.7 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 4.347 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 21-39 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 27 | **Total Sand(%)** : 91 | **Total Silt(%)** : 7 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.7 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.051 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 39-52 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 20 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 52-69 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 26 | **Total Sand(%)** : 93 | **Total Silt(%)** : 4 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.2 | **Saturated Hydraulic Conductivity(cm/h)** : 6.155 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 69-100 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 96 | **Total Silt(%)** : 3 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 7.836 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072799
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 |

Soil ID: OND401072817

Component No : 1 | **Components(%)** : 70 | **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** : Apg | **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 |

Soil ID: OND401072817

Component No : 2 | **Components(%)** : 30 | **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: OND401072797

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONGVI~~~~~A | **Surface Stoniness Class** : Moderately stony | **Slop Steepness(%)** : 22.5 | **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** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Presence of adverse Topography | **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: OND401072797

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONRDU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-23 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 5 | **Total Silt(%)** : 27 | **Total Clay(%)** : 68 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.31 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 23-29 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 21 | **Total Clay(%)** : 76 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.246 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 29-37 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 18 | **Total Clay(%)** : 81 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.246 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-100 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 22 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072794

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** : Apg | **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 |

Soil ID: OND401072790

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** : Apg | **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 |

Soil ID: OND401072098

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 Charateristics** : 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: OND401072035

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONPPV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **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: OND401072035

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCST~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **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** : 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)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 30 | **Total Silt(%)** : 59 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 2.6 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.156 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-35 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 36 | **Total Sand(%)** : 38 | **Total Silt(%)** : 48 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.847 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 35-110 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 66 | **Total Sand(%)** : 67 | **Total Silt(%)** : 30 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.398 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072011

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **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)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072011

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMOK~~~~~A | **Surface Stoniness Class** : Nonstony | **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** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-26 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 79 | **Total Silt(%)** : 15 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.871 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 26-42 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 4.747 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 42-66 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 81 | **Total Silt(%)** : 15 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-98 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 19 | **Total Silt(%)** : 29 | **Total Clay(%)** : 52 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.203 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 98-109 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 12 | **Total Clay(%)** : 85 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072015

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCRP~~~~~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** : clay loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-28 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 28 | **Total Silt(%)** : 46 | **Total Clay(%)** : 26 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.568 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-43 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 21 | **Total Silt(%)** : 48 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.288 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 43-70 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 20 | **Total Silt(%)** : 49 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.287 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-95 | **Horizon** : BCg | **Layer No** : 4 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 17 | **Total Silt(%)** : 50 | **Total Clay(%)** : 33 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 1.932 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-115 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 18 | **Total Silt(%)** : 48 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.214 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072015
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 |

Soil ID: OND401072134
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072152
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMTD~~~~~A | **Surface Stoniness Class** : Slightly 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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Presence of adverse Topography | **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: OND401072152

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCRP~~~~~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** : clay loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-28 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 28 | **Total Silt(%)** : 46 | **Total Clay(%)** : 26 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.568 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-43 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 21 | **Total Silt(%)** : 48 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.288 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 43-70 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 20 | **Total Silt(%)** : 49 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.287 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-95 | **Horizon** : BCg | **Layer No** : 4 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 17 | **Total Silt(%)** : 50 | **Total Clay(%)** : 33 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 1.932 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-115 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 18 | **Total Silt(%)** : 48 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.214 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072700

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **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)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072700

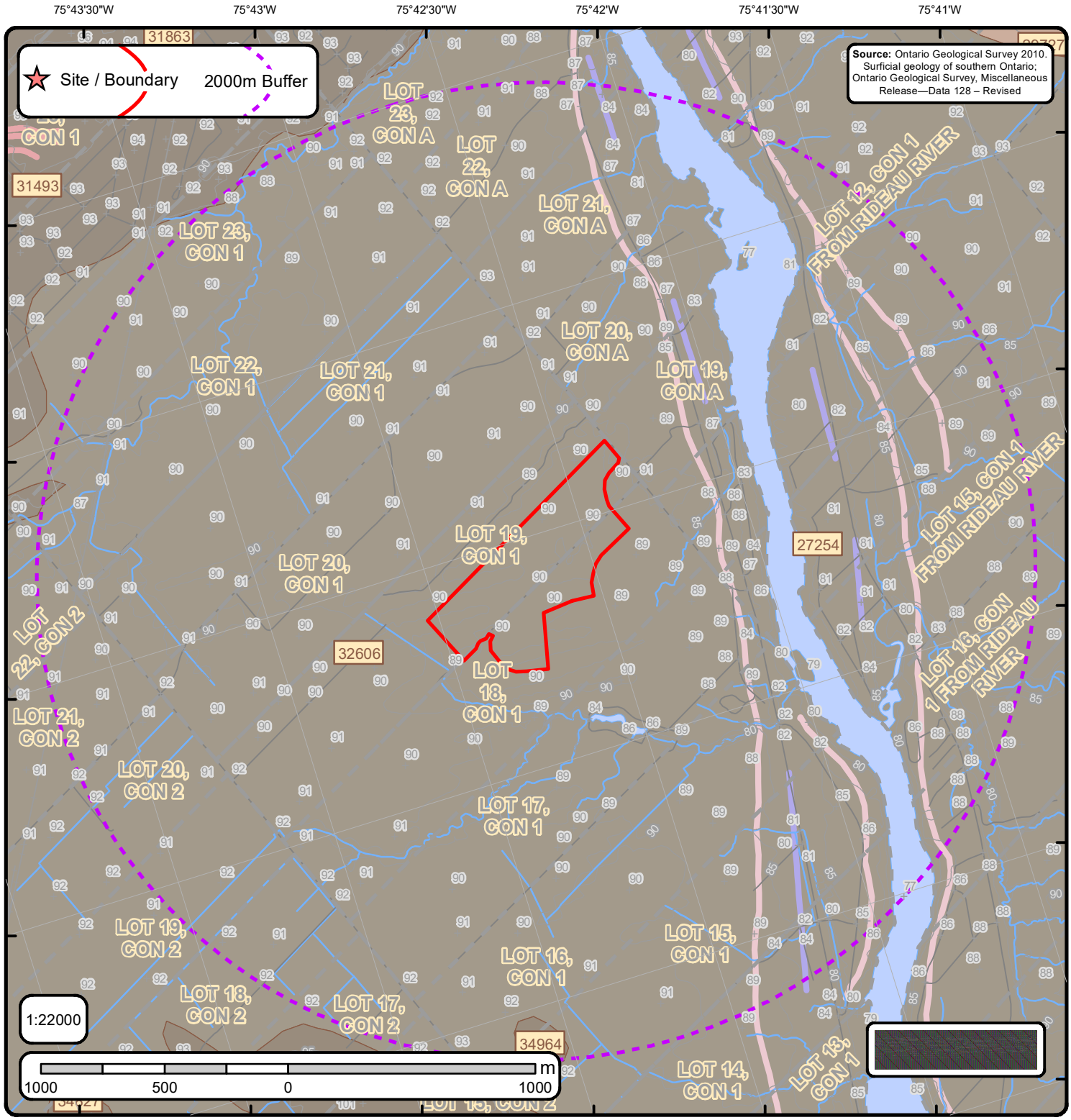
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils 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** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072701

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** : Apg | **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 |

Soil ID: OND401072821

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** : Apg | **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 |



The Surficial Geology of Southern Ontario

Order No. 21041400366

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	slumpb		
Lots		NOF Dune	Escarpment	icslope	moraine	terrace		

[redacted]

Surface Geology Report

Surface Geology units found within 2000 m of

99 Bill Leathem Drive and Portions of 2 and 20 Leikin Drive

Order No. 21041400366

ID: 27254 | **Unit Name:** Offshore marine deposits |

Deposit Type Code: 3a | **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:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 31493 | **Unit Name:** Deltaic and estuarine deposits |

Deposit Type Code: 4 | **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:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.

ID: 32606 | **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: 34964 | **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

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'.

APPENDIX G

SITE PHOTOGRAPHS

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Medusa LP 2	**Project Number:** TR0936B1
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 1	
Date: 3/10/2024	
Time: 11:35:34 AM	
Direction: N	
Comments: General overview of the northern portion of the Site (2 Leikin Drive) looking north.	

Photograph 2	
Date: 3/10/2024	
Time: 10:49:28 AM	
Direction: W	
Comments: General overview of the northern portion of the Site (2 Leikin Drive) looking west.	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Medusa LP 2	**Project Number:** TR0936B
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 3	
Date: 3/10/2024	
Time: 11:55:45 AM	
Direction: W	
Comments: General overview of the southern portion of the Site (20 Leikin Drive) looking west.	

Photograph 4	
Date: 3/10/2024	
Time: 11:52:18 AM	
Direction: S	
Comments: General overview of southern portion of the Site (20 Leikin Drive) looking south. Commercial/industrial property (61 Bill Leathem Drive) visible in the distance.	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Medusa LP 2	**Project Number:** TR0936B
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 5	
Date: 3/10/2024	
Time: 12:00:57 PM	
Direction: N	
Comments: View of Site from the end of Paragon Avenue (20 Leikin Drive and 99 Bill Leathem Drive).	

Photograph 6	
Date: 3/10/2024	
Time: 11:30:27 AM	
Direction: E	
Comments: View of southwestern portion of Site (99 Bill Leathem Drive).	

GEOSYNTEC CONSULTANTS Photographic Record	
Client: Medusa LP 2	**Project Number:** TR0936B
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 7	
Date: 3/10/2024	
Time: 11:48:39 AM	
Direction: E	
Comments: Recently cleared and re-graded former area of encroachment in the northeastern portion of the Site.	

Photograph 8	
Date: 3/10/2024	
Time: 11:50:18 AM	
Direction: W	
Comments: Additional view of former area of encroachment and view of off-site operations at Canada Paving (2852 Merivale Road). A large stockpile was observed to be present on the Canada Paving proper	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Medusa LP 2	**Project Number:** TR0936B
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 9 **Date:** 3/10/2024 **Time:** 11:47:12 AM **Direction:** S **Comments:** One of three monitoring wells observed to be present at the Site. This monitoring well (MW04-21) was located in the northeastern portion of the Site.	
Photograph 10 **Date:** 3/10/2024 **Time:** 11:00:35 AM **Direction:** W **Comments:** Signage indicating the trunk sewer line which transects the central portion of the Site.	

GEOSYNTEC CONSULTANTS Photographic Record	
Client: Medusa LP 2	**Project Number:** TR0936B
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 11	
Date: 3/10/2024	
Time: 10:47:17 AM	
Direction: E	
Comments: View of the soil berm located in the east-central portion of the Site.	

Photograph 12	
Date: 3/10/2024	
Time: 11:33:11 AM	
Direction: S	
Comments: View of the fill piles located in the southern portion of the Site.	

GEOSYNTEC CONSULTANTS Photographic Record	
Client: Medusa LP 2	**Project Number:** TR0936B
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 13	
Date: 3/10/2024	
Time: 11:26:34 AM	
Direction: N	
Comments: View of the adjacent agricultural property to the west of the Site.	

Photograph 14	
Date: 3/10/2024	
Time: 11:31:23 AM	
Direction: S	
Comments: View of roadways and commercial/industrial properties on the adjacent properties to the southwest of the Site.	

GEOSYNTEC CONSULTANTS
Photographic Record

Client: Medusa LP 2	**Project Number:** TR0936B1
Site Name: 99 Bill Leathem Drive, 2 Leikin Drive, and 20 Leikin Drive	**Site Location:** Ottawa, Ontario

Photograph 15	
Date: 3/10/2024	
Time: 12:01:03 PM	
Direction: E	
Comments: View of the parking lot for Lumentum (61 Bill Leathem Drive) located adjacent to the southern Site boundary.	

Photograph 16	
Date: 3/10/2024	
Time: 11:52:18 AM	
Direction: W	
Comments: Equipment storage yard (50 Leikin Drive) located on the adjacent property to the southeast of the Site.