



Omni-McCann

Phase One Environmental Site Assessment

555, 591, 595, and 603 March
Road, Kanata, ON

Produced for:

March and Main Developments Inc.

Produced by:

Omni-McCann Inc.

Reference Number:

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EXECUTIVE SUMMARY

IMPORTANT: *This executive summary provides an overview of the main findings of the study to which it pertains. This executive summary does not provide a comprehensive report, and its review should not be considered a substitute for reading the report in its entirety.*

Omni-McCann Inc. (OMI) was retained by March and Main Developments Inc. (March & Main) to conduct a Phase One Environmental Site Assessment (phase one ESA) of the combined properties located at 555, 591, 595, and 603 March Road in Ottawa, Ontario (herein referred to as the 'phase one property'). The phase one property is owned by March and Main Developments Inc. and 519 and 595 March Road Developments Inc. (herein referred to as the 'Owners') and has a variety of uses and structures. It is OMI's understanding that the phase one ESA is required by the Owners in order to redevelop the phase one property into a mixed use residential/commercial complex.

The phase one property is located along the west side of March Road running south from the intersection of Terry Fox Drive and March Road in the Kanata Technology Park of Ottawa, Ontario. A brief description of each municipal address associated with the phase one property is provided below:

- **555 March Road:** The eastern half consists of landscaped areas, a single building, and parking/drive lanes connected to March Road and 591 March Road. The building is a single storey with an approximate area of 1,654.4 m² and sits between the landscaped area adjacent to March Road and Parking to the rear (west) of the building. Presently, the building is used as a fitness centre. A drive land connects to the adjacent municipal address to the north, 591 March Road, via the rear parking area. The remainder of the site is undeveloped vacant land that wraps around the western boundary of 591 March Road.
- **591 March Road:** This portion of the phase one property is surrounded on the south and west by 555 March Road and on the north by 595 March Road. There is a single, multi-unit commercial plaza in an 'L' shape running along the north and west boundaries. The plaza is single storey with an approximate area of 1,748 m² with parking and drive lanes occupying the remainder of this portion of the phase one property.
- **595 March Road:** This address consists of vacant, undeveloped land running from March Road to the east to Hanes Road and a municipal walkway to the west. There are no permanent structures, and the property has significant vegetation growth.
- **603 March Road:** This address occupies the northern most portion of the phase one property with a single, two-storey building, paved parking lot, and landscaped areas. The building is approximately 7,060.6 m² in area and primarily used as office space and high-tech electronic component research and development. This portion of the property extends from



March Road to a municipal walkway on the western boundary. The parking lot extends from the structure to the western boundary of the phase one property.

As per Part V, Section 16 of O. Reg. 153/04, OMI has reviewed, evaluated and interpreted the information obtained from the completion of a records review, interviews with persons knowledgeable of site operations and site history, and a site reconnaissance in order to identify any current and/or historical activities at the phase one property or within the surrounding phase one study area which could have the potential to adversely affect the environmental condition of the phase one property. Based on this evaluation, OMI has identified eight areas of potential environmental concern (APECs) and associated contaminants of potential concern (COPCs) on or under the phase one property as follows:

APEC A: Interior and immediately surrounding area of the 555 March Road building.

- Former (1985 – 2005) use of the building as an electronic component manufacturing facility.
- COPCs associated to APEC A are volatile organic compounds (VOCs).

APEC B: Interior and immediately surrounding area of the 591 March Road building; area of known contamination north of building.

- Former (1991 - 2000) dry cleaning operation where chemicals are used.
- COPCs associated to APEC B are VOCs.

APEC C: Interior and surrounding area of 603 March Road building; area of known groundwater contamination.

- Former (1997 – 2007) use of building as an electronic component manufacturing facility.
- COPCs associated to APEC C are VOCs.

APEC D: Interior and immediately surrounding area adjacent to elevator at 603 March Road.

- Storage of hydraulic oil in a fixed tank.
- COPCs associated with APEC D include petroleum hydrocarbons (PHC) and benzene, toluene, ethylbenzene, and xylenes (BTEX).

APEC E: Northern property boundary, 591 March Road parking area, and southern corner of 555 March Road building.

- Presence of two, oil filled, pad mounted, high voltage transformers along the northern boundary. One additional transformer adjacent to the 591 March Road parking area as well as one transformer adjacent to the southern most corner of 555 March Road.



- COPCs associated with APEC E include PHC, BTEX and polychlorinated biphenyls (PCBs).

APEC F: Southern and southwestern property boundary.

- Potential bulk chemical and ink storage. Electronic component manufacturing in surrounding buildings. Metal fabrication and manufacturing operations in nearby buildings.
- COPCs associated with APEC F include PHC, BTEX, VOC, and metals.

APEC G: Northern and southeastern paved areas; West central area of the phase one property.

- Imported fill of unknown or quality.
- COPCs associated with APEC G include PHC, BTEX, polycyclic aromatic hydrocarbons (PAHs), and metals.

APEC H: All exterior areas of the phase one property.

- Potential chlorinated solvent contamination in groundwater from the former March Landfill which operated from 1963 to 1974.
- COPCs associated with APEC H are VOCs.

Other considerations:

Based on information gathered and the age of the buildings on the phase one property, there is potential for various special attention substances including asbestos, lead, mercury, PCBs and crystalline silica to be present in building materials. It is recommended that a hazardous materials/designated substances survey be completed prior to any major renovations or demolition of the buildings being undertaken.

Conclusions:

Based on a review of the available information and the exercise of professional judgment, OMI has concluded that there is potential for the identified COPCs to have affected land and/or water under the phase one property within the identified APECs. Based on the information obtained in completing this Phase One ESA, it is OMI's opinion that a phase two ESA would be required prior to redevelopment of the phase one property.



TABLE OF CONTENTS

1	INTRODUCTION.....	1
1.1	PHASE ONE PROPERTY INFORMATION	1
2	SCOPE OF INVESTIGATION.....	3
3	RECORDS REVIEW.....	6
3.1	GENERAL.....	6
3.1.1	PHASE ONE STUDY AREA DETERMINATION	6
3.1.2	FIRST DEVELOPED USE DETERMINATION.....	6
3.1.3	FIRE INSURANCE PLANS.....	7
3.1.4	CHAIN OF TITLE.....	7
3.1.5	CITY DIRECTORIES	9
3.1.6	ENVIRONMENTAL REPORTS	10
3.2	ENVIRONMENTAL SOURCE INFORMATION.....	15
3.2.1	REGULATORY SOURCE INFORMATION.....	15
3.2.2	ENVIRONMENTAL RISK INFORMATION SERVICES (ERIS).....	17
3.3	PHYSICAL SETTING SOURCES.....	25
3.3.1	AERIAL PHOTOGRAPHS.....	25
3.3.2	TOPOGRAPHY, HYDROLOGY, AND GEOLOGY.....	29
3.3.3	FILL MATERIALS	30
3.3.4	WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE	30
3.3.5	WELL RECORDS	31
3.3.6	SITE OPERATING RECORDS.....	31
4	INTERVIEWS	33
5	SITE RECONNAISSANCE	35
5.1	GENERAL REQUIREMENTS.....	35
5.2	SPECIFIC OBSERVATIONS	35
5.2.1	ABOVE-GROUND STRUCTURES	36
5.2.2	BELOW-GROUND STRUCTURES.....	38
5.2.3	SITE OPERATIONS	38
5.2.4	HARZARDOUS WASTE	39



5.2.5	DRAINS AND SUMPS	39
5.2.6	MECHANICAL EQUIPMENT	39
5.2.7	STORAGE TANKS	40
5.2.8	SPILLS AND RELEASES.....	41
5.2.9	GENERAL UTILITY SERVICES	41
5.2.10	SOLID WASTE GENERATION, STORAGE, AND DISPOSAL.....	41
5.2.11	AIR EMISSIONS	41
5.2.12	WATER SOURCES.....	41
5.2.13	WELLS.....	42
5.2.14	SEWAGE WORKS.....	42
5.2.15	GROUND COVER	42
5.2.16	RAILWAY LINES AND RAIL SPURS.....	43
5.2.17	SPECIAL ATTENTION SUBSTANCES.....	43
5.2.18	POTENTIAL CONTAMINATING ACTIVITIES	43
5.2.19	UNIDENTIFIED SUBSTANCES.....	43
5.2.20	ENHANCED INVESTIGATION OF PROPERTY	44
5.3	INVESTIGATION OF PHASE ONE STUDY AREA	44
5.4	SUMMARY OF INVESTIGATION.....	45
6	REVIEW AND EVALUATION OF INFORMATION.....	46
6.1	CURRENT AND PAST USES	46
6.2	POTENTIALLY CONTAMINATING ACTIVITIES.....	49
6.2.1	PHASE ONE PROPERTY	49
6.2.2	PHASE ONE STUDY AREA	49
6.3	AREAS OF POTENTIAL ENVIRONMENTAL CONCERN	54
6.3.1	EVALUATION LOGIC AND REASONING	56
6.3.2	SUMMARY, DESCRIPTION, AND RATIONALE FOR COPCS.....	57
6.3.3	UNCERTAINTIES.....	58
6.4	PHASE ONE CONCEPTUAL SITE MODEL	59
6.4.1	AREAS OF PCAS POTENTIALLY AFFECTING THE PHASE ONE PROPERTY	59
6.4.2	POTENTIAL INFLUENCE OF UNDERGROUND UTILITIES.....	59
6.4.3	REGIONAL OR SITE SPECIFIC GEOLOGICAL/HYDROGEOLOGICAL INFORMATION	
	60	



6.4.4	UNCERTAINTIES ASSOCIATES WITH CSM.....	60
7	CONCLUSIONS.....	61
8	REFERENCES.....	63
9	LIMITATIONS	64

List of Appendices

- Appendix A: Site Photographs
- Appendix B: Figures
- Appendix C: Fire Insurance Products
- Appendix D: Chain of Title Search
- Appendix E: City Directory Search
- Appendix F: Historic Land Use Inventory
- Appendix G: ERIS Report
- Appendix H: Aerial Photos
- Appendix I: Plan of Survey

List of Figures

- Figure 1: Site Location
- Figure 2: Topographic Map
- Figure 3: Areas of Natural and Scientific Importance
- Figure 4: Property Features
- Figure 5: PCA Locations
- Figure 6: Conceptual Site Model



1 INTRODUCTION

Omni-McCann Inc. (OMI) was retained by March and Main Developments Inc. (March & Main) to conduct a Phase One Environmental Site Assessment (phase one ESA) of the combined properties located at 555, 591, 595, and 603 March Road in Ottawa, Ontario (herein referred to as the 'phase one property'). The location of the phase one property is shown on Figure 1, Appendix A and the property boundary and phase one study area are shown on Figure 2, Appendix A.

1.1 PHASE ONE PROPERTY INFORMATION

The phase one property is located along the west side of March Road running south from the intersection of Terry Fox Drive and March Road in the Kanata Technology Park of Ottawa, Ontario. The phase one property covers municipal addresses 555, 591, 595, and 603 March Road and are legally described as the following:

- **555 March Road** - Part of Lot 9, Concession 3, Part 1, Plan 5R9546 except Part 1, Plan 4R7933, Part 15, Plan 4R12735, Kanata (PIN 04518-0067).
- **591 March Road** - Part of Lot 9, Concession 3, Part 1, Plan 5R12441 save and except part 1 on 4R94, Kanata (PIN 04518-0061).
- **595 March Road** - Block 1, Plan 4M1104 (PIN 04518-0115).
- **603 March Road** - Part of Lot 9, Concession 3, March (PIN 04518-0065).

The phase one property is irregular in shape, is oriented northwest to southeast, and is approximately 5.55 ha in plan area based on information available through the City of Ottawa's Interactive Online Mapping Tool (GeoOttawa). The phase one property location and boundary are shown on Figure 1 and 2, respectively, in Appendix A. Property boundaries and adjacent land uses are described as follows:

- **North boundary:** Terry Fox Drive followed by a residential sub-division.
- **East boundary:** March Road followed by the Nokia office campus.
- **West boundary:** The Ciena office campus, Hines Road, and small high-tech services and supply businesses.
- **South boundary:** Small high-tech services and supply businesses and an insurance company office (Allan Mann Insurance Ltd.).

The phase one property is owned by March and Main Developments Inc. and 519 and 595 March Road Developments Inc. (herein referred to as the 'Owners') and has a variety of uses and structures. A brief description of each municipal address associated with the phase one property is provided below:



- 555 March Road:** The eastern half consists of landscaped areas, a single structure, and parking/drive lanes connected to March Road and 591 March Road. The structure is a single storey with an approximate footprint area of 1,654.4 m² and sits between the landscaped area adjacent to March Road and Parking to the rear (west) of the structure. Presently, the structure is used as a fitness centre. A drive lane connects to the adjacent municipal address to the north, 591 March Road, via the rear parking area. The remainder of the site is undeveloped vacant land that wraps around the western boundary of 591 March Road.
- 591 March Road:** This portion of the phase one property is surrounded on the south and west by 555 March Road and on the north by 595 March Road. There is a single, multi-unit commercial plaza in an ‘L’ shape running along the north and west boundaries. The structure is single storey with an approximate footprint area of 1748 m² with parking and drive lanes occupying the remainder of this portion of the phase one property.
- 595 March Road:** This address consists of vacant, undeveloped land running from March Road to the east to Hanes Road and a municipal walkway to the west. There are no permanent structures, and the property has significant vegetation growth.
- 603 March Road:** This address occupies the northern most portion of the phase one property with a single, two-storey structure, paved parking lot, and landscaped areas. The structure is approximately 7,060.6 m² in footprint area and primarily used as office space and high-tech electronic component research and development. This portion of the property extends from March Road to a municipal walkway on the western boundary. The parking lot extends from the structure to the western boundary of the phase one property.

It is OMI’s understanding that the phase one ESA is required by the Owners in order to redevelop the phase one property into a mixed use residential/commercial complex. Authorization to proceed with the phase one ESA was provided by the Owners on May 27, 2022. Mr. Fel Petti, Project Manager for March & Main acted as the property owner’s representative and project manager for the phase one ESA. Contact information for Mr. Petti is provided in Table 1-1.

Table 1-1: Owner Representative Contact Information

Project Contact:	Fel Petti
Address:	March and Main Developments Inc. 109 Atlantic Avenue, Suite 302B Toronto, ON M6K 1X4
Phone Number:	(416) 530-2438
Mobile Number:	(613) 407-0553



2 SCOPE OF INVESTIGATION

The scope of the phase one ESA is only sufficient in identifying issues of potential environmental concern which are obvious from a visual examination of surface features or from available sources of information. No soil, water, liquid, biological (including mould), gas, product or chemical sampling or analysis were carried out as part of this phase one ESA. OMI did not conduct a health and safety, engineering, or structural evaluation of the site as part of the scope of work.

The phase one ESA was conducted in accordance with O. Reg. 153/04 (as amended).

According to O.Reg. 153/04, the general objectives of a phase one ESA are the following:

- To develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the phase one property;
- To determine if a phase two ESA is required;
- To provide the basis for carrying out a phase two ESA if one is required;
- To provide adequate preliminary information about environmental conditions in the land or water on, in, or under the phase one property in the event of a risk assessment is required following the completion of a phase two ESA.

In order to fulfill the general objectives of this phase one ESA, the scope of work consisted of the following activities:

- Historical records review;
- Interviews with persons knowledgeable of the subject site;
- Site reconnaissance;
- Reviewing and technically assessing the information collected;
- Preparing this phase one ESA report; and,
- Submitting this phase one ESA report to the owner of the site.

In accordance with O. Reg. 153/04, OMI has determined a “phase one study area” that is outside the phase one property but that is considered in the assessment because uses and activities in this larger area may have affected the phase one property. Assessment of the phase one property and phase one study area has incorporated the determination of O. Reg. 153/04’s prescribed list of “potentially contaminating activities” (PCAs) as defined in Table 2, Schedule D of O. Reg. 153/04. Table 2, Schedule D is reproduced for reference as Table 2-1. Any identified PCAs are used by OMI’s Qualified Person (QP) to determine Areas of Potential Environmental Concern (APECs) on the phase one property, if any.



Table 2-1: PCA Categories as Defined by O.Reg 153/04, Schedule D, Table 2

PCA#	Definition
1	Acid and Alkali Manufacturing, Processing and Bulk Storage
2	Adhesives and Resins Manufacturing, Processing and Bulk Storage
3	Airstrips and Hangars Operation
4	Antifreeze and De-icing Manufacturing and Bulk Storage
5	Asphalt and Bitumen Manufacturing
6	Battery Manufacturing, Recycling and Bulk Storage
7	Boat Manufacturing
8	Chemical Manufacturing, Processing and Bulk Storage
9	Coal Gasification
10	Commercial Autobody Shops
11	Commercial Trucking and Container Terminals
12	Concrete, Cement and Lime Manufacturing
13	Cosmetics Manufacturing, Processing and Bulk Storage
14	Crude Oil Refining, Processing and Bulk Storage
15	Discharge of Brine related to oil and gas production
16	Drum and Barrel and Tank Reconditioning and Recycling
17	Dye Manufacturing, Processing and Bulk Storage
18	Electricity Generation, Transformation and Power Stations
19	Electronic and Computer Equipment Manufacturing
20	Explosives and Ammunition Manufacturing, Production and Bulk Storage
21	Explosives and Firing Range
22	Fertilizer Manufacturing, Processing and Bulk Storage
23	Fire Retardant Manufacturing, Processing and Bulk Storage
24	Fire Training
25	Flocculants Manufacturing, Processing and Bulk Storage
26	Foam and Expanded Foam Manufacturing and Processing
27	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
28	Gasoline and Associated Products Storage in Fixed Tanks
29	Glass Manufacturing
30	Importation of Fill Material of Unknown Quality
31	Ink Manufacturing, Processing and Bulk Storage
32	Iron and Steel Manufacturing and Processing
33	Metal Treatment, Coating, Plating and Finishing
34	Metal Fabrication
35	Mining, Smelting and Refining; Ore Processing; Tailings Storage
36	Oil Production
37	Operation of Dry-Cleaning Equipment (where chemicals are used)
38	Ordnance Use
39	Paints Manufacturing, Processing and Bulk Storage



Table 2-1: PCA Categories as Defined by O.Reg 153/04, Schedule D, Table 2

PCA#	Definition
40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
41	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
42	Pharmaceutical Manufacturing and Processing
43	Plastics (including Fibreglass) Manufacturing and Processing
44	Port Activities, including Operation and Maintenance of Wharves and Docks
45	Pulp, Paper and Paperboard Manufacturing and Processing
46	Rail Yards, Tracks and Spurs
47	Rubber Manufacturing and Processing
48	Salt Manufacturing, Processing and Bulk Storage
49	Salvage Yard, including automobile wrecking
50	Soap and Detergent Manufacturing, Processing and Bulk Storage
51	Solvent Manufacturing, Processing and Bulk Storage
52	Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems
53	Tannery
54	Textile Manufacturing and Processing
55	Transformer Manufacturing, Processing and Use
56	Treatment of Sewage equal to or greater than 10,000 litres per day
57	Vehicles and Associated Parts Manufacturing
58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products



3 RECORDS REVIEW

3.1 GENERAL

3.1.1 PHASE ONE STUDY AREA DETERMINATION

The phase one study area encompasses the phase one property as well as all other properties that are located wholly or partly within 250 metres from the boundary of the phase one property. Results of a preliminary records review did not indicate the need to include any properties located beyond 250 metres from the boundary of the phase one property. The phase one study area is shown on Figure 2 in Appendix A.

3.1.2 FIRST DEVELOPED USE DETERMINATION

Based on information acquired during the records review and interviews, the first developed use of the phase one property was as an agricultural field based on aerial photography from 1934. After 1897, the 555 and 591 March Road portions of the phase one property were split away from 595 and 603 March Road. The following is a breakdown of the development of each municipal address within the phase one property:

- **555 March Road** – Left to fallow between 1965 and 1976, the only structure on this portion of the phase one property was developed between 1985 and 1991. No changes have been made to the structure footprint since development. The western parking area was expanded between 2007 and 2008.
- **591 March Road** – A single family dwelling was constructed on this portion of the phase one property between 1945 and 1958. This dwelling was removed and replaced by a commercial plaza between 1988 and 1991. The commercial plaza and associated parking area have not changed footprints since they were constructed.
- **595 March Road** – Left to fallow in the early 1970's, this portion of the phase one property was used as landscaped lawn area after the development of the neighbouring lot, 603 March Road. From 1985 onward, this portion of the phase one property did not appear to be maintained with vegetation allowed to grow unchecked.
- **603 March Road** – Once acquired by a corporation, development of a structure occurred in the early 1970's. Additions to the site building and parking areas occurred at various points from the 1980's to approximately 2007.



3.1.3 FIRE INSURANCE PLANS

OMI retained ERIS to conduct a fire insurance plan (FIP) search covering the phase one property and/or adjacent areas. ERIS did not identify any FIPs for the phase one property or within the phase one study area. However, inspection reports and multirisk assessment reports were available for the municipal addresses of 555 March Road and 591 March Road between 1995 and 2003. No information in the reports were relevant to the environmental condition of the phase one property. Other information regarding building construction dates, building materials details, and site use details were provided, and have been referenced in other sections of this report. A copy of the reports has been provided in Appendix C

3.1.4 CHAIN OF TITLE

OMI retained Read Abstracts to complete a legal title search of all municipal addresses listed for the phase one property. As indicated in Section 1.1, the phase one property consists of four municipal addresses. They are legally described as follows:

- **555 March Road** - Part of Lot 9, Concession 3, Part 1, Plan 5R9546 except Part 1, Plan 4R7933, Part 15, Plan 4R12735, Kanata (PIN 04518-0067).
- **591 March Road** - Part of Lot 9, Concession 3, Part 1, Plan 5R12441 save and except part 1 on 4R94, Kanata (PIN 04518-0061).
- **595 March Road** - Block 1, Plan 4M1104 (PIN 04518-0115).
- **603 March Road** - Part of Lot 9, Concession 3, March (PIN 04518-0065).

OMI requested that Read Abstracts search records back to the first recorded use of the phase one property. The results of the title search are provided in Appendix D. Results of the search are summarised in Table 3-1 below.

Table 3-1: Chain of Title Results

Details	Date
555 March Road	
Original deed from Crown to George Morgan	January 21, 1837
Seven transfers between private owners	1854 – 1959
Transfer from Walter Monk & George Monk to Mic Mac Realty (Ottawa) Ltd.	November 1, 1960
Transfer from Mic Mac Realty (Ottawa) Ltd. to Joseph & Minnie Samis	April 29, 1963
Two transfers between private owners	1964 – 1971
Transfer from Paul Nash, Bruce Clown, George Fyffe, and Lorne Ursel to South March Developments Ltd.	July 6, 1972
Transfer from South March Developments Ltd. to Celso Grassone In Trust	August 30, 1973
Transfer from Celso Grassone In Trust to Fussen Investment (Ontario) Inc.	May 6, 1974
Transfer from Fussen Investment (Ontario) Inc. to Rusint Property Inc.	December 20, 1985

**Table 3-1: Chain of Title Results**

Details	Date
Transfer from Rusint Property Inc. to 555 March Road Inc. <ul style="list-style-type: none"> Lease to Rhode & Schwarz Canada Inc. Lease to Gale Real Estate Inc. 	January 16, 2006
Lease to Good Life Corporation	June 1, 2007
Transfer from 555 March Road Inc. to March and Main Developments Inc.	July 16, 2021
591 March Road	
Original deed from Crown to George Morgan	January 21, 1837
Nine transfers between private owners	1854 – 1968
Transfer from Lloyd Ross to Kerscott Developments Ltd.	July 29, 1988
Transfer from Kerscott Developments Ltd. to Alex Testa	November 25, 1988
Transfer from Alex Testa to Kerscott Developments Ltd.	May 19, 1989
Foreclosure transfer from CIBC Mortgage Corp. to Jonathan Edward Frank Ralph	March 21, 2000
Transfer from Jonathan Edward Frank Ralph to D.I.R. Investments Inc.	March 21, 2002
D.I.R. Investments Inc. to 591 & 595 March Road Developments Inc.	July 16, 2021
595 March Road	
Original deed from Crown to George Morgan	January 21, 1837
Six transfers between private owners	1854 – 1957
Transfer from Cecil Morgan and Estate of John Morgan to Nash and Harrison Ltd. (later changed name to Leigh Control Ltd.)	June 30, 1969
Transfer from Leigh Control Ltd. to Edwin Honeywell In Trust	June 30, 1974
Transfer from Leigh Control Ltd. to Minto Construction Ltd. (later changed name to Minto Developments Inc.)	March 14, 1978
Transfer from Minto Developments Inc. to OTNIM Properties Ltd.	April 26, 2000
Transfer from OTNIM Properties Ltd. to Nortech Land Developments Inc.	May 1, 2000
Transfer from Nortech Land Developments Inc. to Cisco Systems Co.	December 20, 2000
Transfer from Cisco Systems Co. to D.I.R. Investments Inc.	May 28, 2010
Transfer from D.I.R. Investments Inc. to 591 & 595 March Road Developments Inc.	July 16, 2021
603 March Road	
Original deed to George Morgan	January 21, 1837
Six transfers between private owners	1854 – 1957
Transfer from Cecil Morgan and Estate of John Morgan to Nash and Harrison Ltd. (later changed name to Leigh Control Ltd.)	June 30, 1969
Transfer from Leigh Control Ltd. to 329744 Ontario Ltd.	February 6, 1976
Transfer from 329744 Ontario Ltd. to Mitel Corp.	February 28, 1977
Transfer from Mitel Corp. to Admiral Leasehold Corp.	January 9, 1979
Transfer from Admiral Leasehold Corp. to Mitel Corp.	December 21, 1979
Transfer from Mitel Corp. to Trillium Telephone Systems Inc.	October 17, 1983
Transfer from Trillium Telephone Systems Inc. to Mitel Corp.	December 23, 1988
Transfer from Mitel Corp. to Regional Development Corp. In Trust	July 14, 1989



Table 3-1: Chain of Title Results

Details	Date
Transfer from Regional Development Corp. to Newbridge Networks Corp.	October 2, 1989
Transfer from Newbridge Networks Corp. to Tundra Semiconductors Corp.	January 28, 2000
Transfer from Tundra Semiconductors Corp. to Renesas Electronics Canada Ltd.	July 21, 2020
Transfer from Renesas Electronics Canada Ltd. to March & Main Developments Inc.	June 16, 2022

Table 3-2 summarizes the PCAs, as described in Table 2, Schedule D of O.Reg. 153/04, that were identified at the phase one property through review of the chain of title search. Refer to Section 6 for further discussion on the PCAs identified on the phase one property.

Table 3-2: PCAs Identified from Chain of Title Review

Address	Description	Dates	PCA# (O.Reg 153/04)
603 March	Electronic Component Manufacturing - Mitel Corp - Newbridge Networks Corp - Tundra Semiconductors Corp	1977 – 2020	19

3.1.5 CITY DIRECTORIES

OMI retained ERIS to conduct a city directory search for the phase one property and a phase one study area. The city directory search returned information on a five-year interval from 1992 through 2011 for the phase one property and the phase one study area. The limited nature of the city directory search is not anticipated to impact the findings of this phase one ESA given the alternate information sources that were reviewed. Table 3-3 is a summary of PCAs identified at the phase one property and within the phase one study area. Refer to Section 6 for further discussion on the PCAs identified on the phase one property and within the phase one study area. A copy of the ERIS city directory search is provided in Appendix E.

Table 3-3: PCAs Identified from the City Directory Search

Address	Dist (m)	Dir	Description	Dates	PCA # (O.Reg 153/04)
Phase one property	-	-	Dry Cleaning Facility - Marchview Dry Cleaners Electronic Equipment Manufacturing - Newbridge Microsystems - Tundra Semiconductor Corp - Tektronix Canada - Signal Technology Associates	1992; 1992 – 1996/97; 2001/02 – 2011; 1996/97 – 2001/02; 2006/07	19 (CT), 37
88 Hines	0	SE	Electronic Equipment Manufacturing - Flexus Electronics	2001/02 – 2011	19



Table 3-3: PCAs Identified from the City Directory Search

Address	Dist (m)	Dir	Description	Dates	PCA # (O.Reg 153/04)
93 Hines	26	SW	Metal Fabrication - L D Tool & Die	1996/97 – 2001/02	34
600 March	47	E	Electronic Equipment Manufacturing - Alcatel Networks Corp.	2001/02 – 2011	19
700 March	83	N	Dry Cleaning Facility - Star Fashion Cleaners	1996/97 – 2011	37
555 Legget	233	E	Dry Cleaning Facility - Star Fashion Cleaners	2006/07	37
720 March	235	NW	Fuel Service Station - Shell Canada	2001/02 – 2011	28

Notes:
 CT – PCA identified in the chain of title records

3.1.6 ENVIRONMENTAL REPORTS

March & Main provided OMI with the following reports and documents related to the environmental condition of the phase one property:

- Oliver, Mangione, McCalla & Associates (OMM), 2000. Phase I Environmental Site Assessment, 603 March Road, Kanata, Ontario.
- Golder Associates (Golder), 2001. Phase I Environmental Site Assessment and Limited Asbestos Sampling Program, 603 March Road, Kanata, Ontario.
- Paterson Group (Paterson), 2016. Phase II Environmental Site Assessment, 555, 591, 595 March Road, Ottawa, Ontario.
- Concentric Geoscience Inc. (CGI), 2022. Phase I Environmental Site Assessment Update and Phase II Environmental Site Assessment, 603 March Road, Ottawa, Ontario

A summary of information relevant to the environmental condition of the phase one property from each report is provided in the following subsections.

OMM, 2000

- The phase one property was first developed with a single storey workshop and office space in 1969. Additional renovations, including a second storey office space, were completed in the 1970's, 1980's and 1990's.
- At the time of the 2000 ESA, the phase one property was being used for research and development of semi-conductors. Small volumes of acetone, isopropanol, solvents, inks, and propane were reportedly used on the phase one property. All generated wastes were handled by Newbridge, the owner at the time.



- Records provided by the MECP indicated that larger quantities of chlorinated solvents and acids were historically used on the phase one property during electronic component manufacturing. Electrical components manufacturing at the phase one property had been discontinued by the time the 2000 ESA was conducted.
- A liquid nitrogen tank located on the western exterior to the building was noted during the site visit. A smaller tank of liquid nitrogen was noted inside the building adjacent to the clean room.
- Potential asbestos containing materials (ACMs) were noted on rain downspout and pipe elbows.
- Based on the age of the building, lead paint and polychlorinated biphenyl (PCB) containing equipment were noted as potential hazards within the site building.
- OMM recommended that any further renovations be preceded by a hazardous substance survey and remedial measures to safely remove ACMs, lead containing materials, and PCB containing materials. No other work was recommended at the time.

Golder, 2001

- At the time of the 2001 ESA, the phase one property consisted of a combined one and two storey permanent building and three mobile structures used for offices and storage.
- The city directory search indicated the presence of two dry cleaning companies at 591 March Road, approximately 48 m south of the site in 1991 and 1996. A third dry cleaner was identified at 700 March Road approximately 140 m north of the phase one property.
- The three dry cleaning facilities identified were not considered PCAs for the phase one property due to the inferred direction of groundwater flow.
- The limited asbestos survey confirmed the presence of asbestos (Chrysotile) in pipe insulation in the former main electrical room.
- No recommendations were made with respect to the subsurface investigation or the presence of ACMs at the site.

Paterson, 2016

- A brief review of previous environmental studies conducted on 591 and 595 March Road is provided in this report. The previous reports were not available for OMI to review but are listed to be:
 - “Phase I Environmental Site Assessment, 591 March Road, Kanata, Ontario” prepared by AMEC Earth and Environmental Ltd., dated February 2002.



- “Subsurface Investigation, Cisco Systems, Block E, 595 March Road, Kanata, Ontario, Canada” prepared by Environmental Resource Management (ERM), dated December 2007.
 - “Phase II Environmental Site Assessment, Existing Commercial Development, 591 March Road, Ottawa, Ontario” prepared by Paterson, dated March 10, 2008.
 - “Groundwater Monitoring, 595 March Road, Kanata, Ontario, Canada” prepared by ERM, dated August 2009.
 - “Supplemental Phase II Environmental Site Assessment, Existing Commercial Development, 591 March Road, Ottawa, Ontario” prepared by Paterson, dated February 14, 2011.
 - “Groundwater Treatment Program, 591 and 595 March Road, Ottawa, Ontario” prepared by Paterson, dated September 30, 2012.
 - Groundwater monitoring reports prepared by Paterson, 2011-2014.
- Prior reports indicated the presence of chlorinated solvent contamination in the subsurface attributed to the dry cleaning facility previously located at 591 March Road. The main points of the previous studies reviewed by Paterson include:
 - AMEC’s 2002 Phase I ESA highlighted the presence of a dry cleaning facility on the phase one property for a short period in the early 1990’s. A camera inspection of the 591 March Road buildings drain system was completed, confirming the integrity and ruling out a preferential pathway.
 - The 2007 ERM subsurface investigation of 595 March Road installed three monitoring wells, in addition to four existing wells on the 595 March Road portion of the phase one property. A total of seven groundwater samples were analyzed, several of which returned concentrations of chloroform and tetrachloroethylene (PCE) above regulatory standards at the time.
 - The 2008 Paterson Phase II ESA at 591 March Road advanced three boreholes with the installation of one monitoring well. Soil from the area located adjacent to the rear door of the former dry cleaning facility was impacted with PCE at concentration above the regulatory guidelines. Groundwater samples from the monitoring well installed as part of the Phase II ESA returned concentrations of PCE and trichloroethylene (TCE) above the regulatory standards.
 - The follow-up 2011 Supplemental Phase II ESA completed by Paterson added five monitoring wells to the 591 March Road portion of the phase one property. Soil analytical results were in compliance with regulatory standards of the time, whereas groundwater results returned concentrations of PCE above regulatory standards.
 - A program of groundwater remediation to address chlorinated solvent contamination through in-situ chemical injections was implemented by Paterson in 2012. It was reported that the remediation program initially reduced overall solvent concentrations in groundwater, however, concentrations remained above the applicable provincial site



condition standards at the conclusion of the program and concentration re-bounding was observed in subsequent monitoring events.

- Groundwater sampling conducted by Paterson in October 2015 identified concentrations of PCE, TCE, and cis-1,2-dichloroethylene (DCE) at concentrations exceeding the applicable site condition standards in monitoring wells located inside the commercial building at 591 March Road and throughout the adjacent property to the northwest at 595 March Road.

CGI, 2022

- The Phase I ESA update highlighted past electronic component manufacturing activities and the presence of heating oil storage on the 603 March Road portion of the phase one property, as well as the former dry cleaning facility located at 591 March Road.
- Contaminants of concerns (COCs) for 603 March Road were determined to be volatile organic compounds (VOCs), petroleum hydrocarbon fractions 1 to 4 (PHC F1-F4), and benzene, toluene, ethylbenzene, and xylene (BTEX).
- The Phase II ESA conducted at 603 March Road consisted of the advancement of 18 boreholes, the installation of monitoring wells in all 18 boreholes, and the installation of two indoor sub-slab vapour monitoring wells. A total of five soil samples, 24 groundwater samples, and two vapour samples were submitted for analysis of one or more of the COCs.
- Soil was found to be shallow, mostly non-native fill ranging in thickness from 0.15 m to 1.2 m. Bedrock was interbedded dolostone and sandstone to the maximum investigation depth of 12.8 m.
- Analytical results in soil indicated that there were no COCs present.
- Groundwater elevations in shallow monitoring wells indicated a flow direction of northeast in November 2021 and radially outward from an indoor sump pit in January 2022. In deeper monitoring wells, the flow direction was inferred to be north-northeast in January 2022.
- Analytical results from groundwater collected in January 2022 showed concentrations of trichloroethylene (TCE) under and around the southwest portion of the 603 March Road building and a secondary source of PCE and TCE coming on site from the adjacent property to the south, 595 March Road.

Summary of Environmental Reports

The following information relevant to the environmental condition of the phase one property was obtained through review of the environmental reports and drawings provided by March & Main.



- Shallow groundwater flow across the phase one property appears to vary depending on season, but generally shows a northeastern flow direction. Deeper groundwater flow is to the north-northeast.
- Overburden materials at the phase one property are predominantly coarse textured with bedrock close to surface in many areas. Fill of unknown quality is present under hard capped areas of the phase one property.
- The former dry cleaning facility in the 591 March Road commercial building improperly disposed of the cleaning fluids used for operations, releasing an unknown quantity of chlorinated solvents to the ground surface which migrated downward to the underlying groundwater in the bedrock. Groundwater impacts from the dry cleaning facility are present on 591, 595 and 603 March Road.
- Historical use of solvents in the manufacture of electronic components on the 603 March Road property has resulted in groundwater contamination in the vicinity of sumps located near the south corner of the 603 March Road building.
- Remedial actions taken to resolve subsurface contamination under the 591 and 595 March Road portions of the phase one property were unsuccessful at bringing concentrations below applicable site condition standards.
- Concentration re-bounding following remediation was observed on the 591 and 595 March Road properties over subsequent monitoring years.

Additional PCAs identified through review of the provided environmental reports are summarized in Table 3-4.

Table 3-4: PCAs Identified through Environmental Report Review

Address	Dist (m)	Dir	Description	Dates	PCA # (O.Reg 153/04)
Phase one property	-	-	Former dry cleaning facility located in the commercial building Borehole log information identified fill material under asphalt parking areas Former electronic component manufacturing	1991 – 1996 1999 – present 1986 – 2005	19 (CT, CD), 30, 37 (CD)
700 March	83	N	Dry Cleaning Facility – Star Fashion Cleaners	1996/97 – 2011	37 (CD)

Notes:

CT – PCA identified in the chain of title records

CD – PCA identified in the city directory records



3.2 ENVIRONMENTAL SOURCE INFORMATION

3.2.1 REGULATORY SOURCE INFORMATION

Requests for information regarding the phase one property were part of the ERIS database search discussed in Section 3.2.2.

City of Ottawa

The City provided results from their Historical Land Use Inventory (HLUI) search. The HLUI returned 88 records with 11 records relating the phase one property and the remaining related to addresses within the phase one study area. A summary of the HLUI records identified as PCAs is provided below in Table 3-5. Refer to Table 2-1 for the corresponding definitions for the PCA number shown. A copy of the HLUI search results are provided in Appendix F.

Table 3-5: PCAs Identified through HLUI Search

Address	Dist. (m)	Dir.	Type of Facility and Description (HLUI)	Reference Date Range	PCA # (O.Reg 153/04)
Phase one property	-	-	Electrical and electronic machinery, equipment and supplies: <ul style="list-style-type: none"> - Trillium Telephone Systems - Tektronix Canada - E-Mediate - Rohde and Schwarz Canada - Tundra Semiconductor - Integrated Device Technology Laundries and cleaners: <ul style="list-style-type: none"> - Hillarys Dry Cleaners - Miller's Quality Dry Cleaners Environmental risk management area: <ul style="list-style-type: none"> - Former March Landfill 	1985 – 2012 1998 – 2000 1963 – present	19 (CT, CD), 37 (CT, CD, ENV), 58
88 Hines	0	SE	Communication and other electronic equipment industries: <ul style="list-style-type: none"> - Flexus Electronics Electrical and electronic machinery, equipment and supplies: <ul style="list-style-type: none"> - Ultra Electronics TCS (Telemus) 	2006 – 2012	19 (CD)
95 Hines	24	SSW	Communication and other electronic equipment industries:	1998 – 2017	19



Table 3-5: PCAs Identified through HLUI Search

Address	Dist. (m)	Dir.	Type of Facility and Description (HLUI)	Reference Date Range	PCA # (O.Reg 153/04)
			<ul style="list-style-type: none"> - Flexus Electronics - Omega Telemus Inc. 		
93 Hines	26	SW	Manufacturing: <ul style="list-style-type: none"> - Laser Line Optics Canada - L-D Tool and Die 	1998 – 2012	19, 34 (CD)
600 March	47	E	Communication and other electronic equipment industries: <ul style="list-style-type: none"> - Newbridge Networks Corp. - Alcatel Networks Corp. 	1996 – 2004	19 (CD)
132 Acklam	66	WNW	Industrial construction: <ul style="list-style-type: none"> - Valley Line Painting - Valley Pavement Striping 	1998 – 2005	39
84 Hines	68	SE	Electrical and electronic machinery, equipment and supplies: <ul style="list-style-type: none"> - Arrow-Ottawa Technology Center - Taral Networks - Arrow Electronics Canada Ltd Manufacturing: <ul style="list-style-type: none"> - Quake Technologies 	2001 – 2012 2001 – 2006	19
700 March	83	N	Laundries and cleaners: <ul style="list-style-type: none"> - Carp Quality Cleaners and Laundry - Star Fashion Cleaners 	1994 – 2006	37 (CD, ENV)
360 Terry Fox	180	ENE	Semiconductor and related device manufacturing: <ul style="list-style-type: none"> - API Filtran - Artaflex Corp. 	2012 – present	19
50 Hines	194	S	Manufacturing: <ul style="list-style-type: none"> - DRS EQ & Network Systems Canada - Power Integrations - Cyrium Technologies Semiconductor devices, microprocessors, power supply: <ul style="list-style-type: none"> - Electrosource Inc. 	2006 – 2012 2001 – 2006 2001 – 2004	19



Table 3-5: PCAs Identified through HLUI Search

Address	Dist. (m)	Dir.	Type of Facility and Description (HLUI)	Reference Date Range	PCA # (O.Reg 153/04)
			Simulators, electronic components, computer software (simulation), radar systems (naval): - Excalibur Systems Ltd		
555 Legget	233	E	Laundries and cleaners: - Star Fashion Cleaners	2006	37 (CD)
720 March	235	NW	Gasoline service station: - Shell Canada Products	2005 – present	28 (CD)
535 Legget	240	E	Manufacturing: - Pika Technologies Inc.	2012	19

Notes:

CT – PCA identified in the chain of title records

CD – PCA identified in the city directory records

ENV – PCA also identified in Environmental Reports Review

3.2.2 ENVIRONMENTAL RISK INFORMATION SERVICES (ERIS)

ERIS was contracted to conduct a search of federal and provincial government and private environmental databases pertaining to the phase one property and adjacent lands within a 250m radius from the phase one property boundary. A copy of the report obtained from ERIS is included in Appendix G.

A summary of the database search results pertaining to the phase one property and phase one study area are summarized below.

Phase One Property

A total of 47 records related to the phase one property were identified in the ERIS search as summarised in Table 3-6.

Table 3-6: Summary of Phase One Property ERIS Records

Database Name	Acronym	Number of Records
Borehole	BORE	2
Certificates of Approval	CA	5
Environmental Compliance Approval	ECA	1
ERIS Historical Searches	EHS	6



Table 3-6: Summary of Phase One Property ERIS Records

Database Name	Acronym	Number of Records
Ontario Regulation 347 Waste Generators Summary	GEN	19
Scott's Manufacturing Directory	SCT	9
Water Well Information System	WWIS	5

It is noted that an ERIS Historical Records Search (EHS) record attributed to the phase one property in the ERIS report corresponds to the dates of previously listed Phase I ESAs completed across all of the municipal addresses on the phase one property. The ECA record concerns the installation of sanitary sewers to 555 and 591 March Road by D.I.R Investments Inc. in 2006. The two BORE records appear related to a Canadian Geological Survey study.

The records from the CA databases are related to industrial air emission permits held by Newbridge Networks Corp. (Newbridge) for Exhaust Systems 1, 2, 3, and 5. These permits were issued in 1990 and 1991 and were marked as canceled or revoked. One of the records for 'Exhaust System No. 1' indicates the release of N-propyl alcohol, trifluorotrchloroethane, acetone, methyl chloroform, hydrogen peroxide, and propylene glycolmonomethyl ether acetate (P.M. Acetate).

Four of the WWIS records associated with the phase one property are related to former water supply wells located within the phase one property. One WWIS is associated with the monitoring wells constructed during the 2010-2011 Paterson supplemental Phase II ESA at 591 March Road.

Three of the six SCT records related to 555 March Road indicate that Rohde & Schwarz Canada Inc. (R&S) manufactured communication equipment and electronic components during the 1970's and Tektronix Canada Inc. (Tektronix) manufactured electronic components during unspecified dates. Similarly, two SCT records for 603 March Road indicate that Tundra Semiconductor Corp. (Tundra) manufactured semiconductors and electronic components in the early 1980's until the mid to late 1990's.

There were several GEN records associated with the generation of unspecified volumes of halogenated solvents at the 591 March Road former dry cleaning facility from 1995 – 2001 and the 603 March Road facility from 1986 – 1998. Another GEN record indicated the generation of unspecified quantities of acid waste – other metals from 1992 – 1998 and organic laboratory chemicals in 2005 at the 603 March Road facility. Although registration as a waste generator indicates that the substances specified above were stored, handled and disposed of in a manner compliant with provincial regulations, the potential bulk storage of these waste products at the phase one property is identified as a PCA in accordance with O.Reg.153/04.



Phase One Study Area

A total of 241 records were returned for properties within the phase one study area as summarised in Table 3-7.

Table 3-7: Summary of ERIS Records in Phase One Study Area

Database Name	Acronym	Number of Records
Borehole	BORE	1
Certificates of Approval	CA	15
Delisted Fuel Tanks	DTNK	5
Environmental Activity and Sector Registry	EASR	1
Environmental Registry	EBR	4
Environmental Compliance Approval	ECA	16
ERIS Historical Searches	EHS	26
Fuel Storage Tanks	FST	7
Fuel Storage Tank - Historic	FSTH	2
Ontario Regulation 347 Waste Generators Summary	GEN	106
National Pollutant Release Inventory	NPRI	2
Pesticide Register	PES	3
Scott's Manufacturing Directory	SCT	45
Water Well Information System	WWIS	2

A description of each database is provided in the ERIS report (Appendix G). In addition to the above records, 102 records were identified which did not include enough information for ERIS to associate the record with a plottable address.

OMI reviewed all plottable ERIS records identified within the phase one study area to evaluate if they constituted PCAs as defined by O.Reg. 153/04. PCAs identified through the review of the plottable ERIS records are summarised in Table 3-8. Refer to Table 2-1 for a description of each PCA number.



Table 3-8: PCAs Identified through ERIS Review

Address	Dist. (m)	Dir.	Record Type and Description (ERIS)	Years	PCA # (O.Reg 153/04)
Phase one property	-	-	CA – Industrial air emissions permits for volatile solvents and/or chlorofluorocarbons (CFCs), indicating potential bulk storage and use of these substances GEN – halogenated solvents, acid wastes – other metals, organic laboratory chemicals SCT – Electronic components manufacturing	1990 – 1991 1986-2005 1970's – 1990's	8, 19, 37 (CT, CD, ENV)
88 Hines	0	SE	GEN – Acid waste – heavy metals, Alkaline wastes – other metals, other specified inorganics, inorganic laboratory chemicals, aliphatic solvents, halogenated solvents, photoprocessing wastes, polymeric resins, waste compressed gases, paint/pigment/coating residues, waste oils & lubricants SCT – Semiconductor and other electronic component manufacturing	2004 – 2015 1991 – 1994	8, 19 (HLUI, CD)
525 March	0	ESE	SCT – Carbon paper and inked ribbons, all other misc. chemical product manufacturing	1986	31
93 Hines	24	SSW	SCT – Industrial mould manufacturing, all other plastic product manufacturing GEN – Waste oils & lubricants; Aliphatic solvents, brines, chlor-alkali wastes SPL – 760 L of calcium chloride spilled to ground	1990 – 2002 1996 – 2022 2014	8, 34 (CD, HLUI)
95 Hines	24	SSW	SCT – Fabricated metal products, not elsewhere classified GEN – Aromatic solvents, petroleum distillates, waste oils & lubricants, acid waste – heavy metals, acid waste – other metals, alkaline wastes – other metals, oil skimmings & sludges, paint/pigment/coating residues, waste compressed gases, polymeric resins	1993 1995 – 2022	8, 34 (HLUI)



Table 3-8: PCAs Identified through ERIS Review

Address	Dist. (m)	Dir.	Record Type and Description (ERIS)	Years	PCA # (O.Reg 153/04)
1000 Innovation	26	S	SCT – Waste treatment and disposal GEN – Aliphatic solvents and residues GEN – Wastes from the use of pigments, coatings and paints, misc. wastes and inorganic chemicals, misc. waste organic chemicals, waste compressed gasses including cylinders	1986 2017 2018 – 2020	8, 58
600 March	48	ENE	SCT – Radio and television broadcasting and wireless communications equipment manufacturing, semiconductor and other electronic component manufacturing, computer and peripheral equipment manufacturing, telephone apparatus manufacturing GEN – Aliphatic solvents, alkaline wastes – heavy metals, other specified inorganics, halogenated pesticides, alkaline wastes – other metals, waste oils & lubricants, waste compressed gases, inorganic laboratory chemicals, petroleum distillates, organic laboratory chemicals, inorganic laboratory chemicals GEN – Acid solutions – containing heavy metals, alkaline solutions – containing heavy metals, alkaline solutions – containing other metals and non-metals, other specified inorganic sludges, slurries or solids, misc. wastes and inorganic chemicals, aliphatic solvents and residues, petroleum distillates, wastes from pigments, coatings and paints, aliphatic residues, waste crankcase oils and lubricants, halogenated pesticides and herbicides, waste compressed gas cylinders	1986 2000 – 2016 2018 – 2022	8, 19 (CD, HLUI)



Table 3-8: PCAs Identified through ERIS Review

Address	Dist. (m)	Dir.	Record Type and Description (ERIS)	Years	PCA # (O.Reg 153/04)
84 Hines	68	SE	GEN – Inorganic laboratory chemicals, polymeric resins, aliphatic solvents, alkaline wastes – other metals SCT – Semiconductor and other electronic component manufacturing	2006, 2016 - 2019 2004	8, 19 (HLUI)
80 Hines	120	SE	GEN – Oil skimmings & sludges, waste oils & lubricants, organic laboratory chemicals	2006 – 2008	8
385 Terry Fox	126	WSW	GEN – Other specified inorganic sludges, slurries or solids, alkaline solutions – containing other metals and non-metals, misc. wastes and inorganic chemicals, misc. waste organic chemicals, waste compressed gases	2018 – 2022	8
70 Hines	161	SE	SPL – 150-250 L of diesel fuel to ground due to material failure. No response was noted	2019	28
1145 Innovation	192	SSE	SCT – Radio and television broadcasting and wireless communications equipment manufacturing GEN – other specified inorganics, aliphatic solvents GEN – Organic acids, other specified organic sludges, slurries or solids, polymeric resins, aliphatic solvents and residues	1997 – 2021 2010 – 2021 2020 – 2022	8, 19
50 Hines	194	S	SCT – All other general purpose machinery manufacturing, semiconductor and other electronic component manufacturing, navigational and guidance instruments manufacturing, manufacturing and reproducing magnetic and optical media SCT – Commercial and service industry machinery manufacturing GEN – Inorganic laboratory chemical, aliphatic solvents, polymeric resins, oil skimmings & sludges, organic laboratory chemicals GEN – Inorganic laboratory chemicals, alkaline wastes – other	1988 2005 1999 – 2004 2013	8, 19 (HLUI)



Table 3-8: PCAs Identified through ERIS Review

Address	Dist. (m)	Dir.	Record Type and Description (ERIS)	Years	PCA # (O.Reg 153/04)
			metals, organic laboratory chemicals		
10 Acklam	210	WNW	PES – Limited vendor, florist shop		40
555 Legget	234	ENE	SCT – Other leather and allied product manufacturing, all other plastic product manufacturing, telephone apparatus manufacturing, radio and television broadcasting and wireless communication equipment manufacturing, manufacturing and reproducing magnetic and optical media, battery manufacturing, all other electrical equipment and component manufacturing, software publishers SCT – Computer and peripheral equipment manufacturing, radio and television broadcasting and wireless communications equipment manufacturing, semiconductor and other electronic component manufacturing, measuring, medical and controlling devices manufacturing GEN – Aliphatic solvents, aromatic solvents, polymeric resins, halogenated solvents, organic laboratory chemicals, waste compressed gases GEN – Other specified inorganics, alkaline wastes – heavy metals, other inorganic acid wastes, inorganic laboratory chemicals, aliphatic solvents, waste compressed gases, waste oils & lubricants, PCB's, petroleum distillates, paint/pigment/coating residues, alkaline wastes – other metals GEN – Acid waste – heavy metals, alkaline wastes – heavy metals, other specified inorganics NPRI – Exhaust release from Tower A & B for the following	1995 1991 1997 – 2001 2006 – 2022 2007 – 2008 2004	6, 8, 19



Table 3-8: PCAs Identified through ERIS Review

Address	Dist. (m)	Dir.	Record Type and Description (ERIS)	Years	PCA # (O.Reg 153/04)
			contaminants: Nitrous Oxide, Oxides of nitrogen, methane, volatile organic compounds (VOCs), carbon monoxide, hydrofluorocarbon, particulate matter <10 microns, particulate matter <2.5 microns, sulphur dioxide, total particulate matter		
720 March	235	NNW	FSTH – 3 – 40,000 L double walled gasoline USTs, 1 – 25,000 L double walled diesel UST FST – Gasoline Station, fiberglass double walled UST SPL – 25 L of gasoline to ground, no environmental impact anticipated; 15 L of diesel spilled to pavement, no environmental impact anticipated DTNK/FST – 3 Expired 50,000 L single walled fiberglass liquid fuel tank installed in 1999	2002 2009 2003; 2014 1999 – 2002	28 (CD, HLUI)
535 Legget	240	E	NPRI – Exhaust release from Tower C for the following contaminants: Nitrous Oxide, Oxides of nitrogen, methane, volatile organic compounds (VOCs), carbon monoxide, hydrofluorocarbon, particulate matter <10 microns, particulate matter <2.5 microns, sulphur dioxide, total particulate matter GEN – Misc. waste organic chemicals, waste compressed gases, wastes from the use of pigments, coatings and paints	2004	8

Notes:
 (CT) – PCA also identified in chain of title review
 (CD) - PCA also identified in city directory review
 (ENV) – PCA also identified in Environmental Reports Review
 (HLUI) - PCA also identified in HLUI

Discussion and evaluation of off-site PCAs identified during the ERIS review can be found in Section 6.

The unplottable ERIS records included multiple AAGR, CA, CONV, ECA, LIMO, PTTW, SPL and WWIS records. Based on the information provided in the unplottable records, most of the



unplottable records are associated with locations outside of the phase one study area and/or are not indicative of PCAs. No additional PCAs are identified in the unplottable records.

3.3 PHYSICAL SETTING SOURCES

3.3.1 AERIAL PHOTOGRAPHS

OMI used the National Air Photo Library (NAPL) to search for aerial photographs that cover the phase one property and study area. OMI also reviewed aerial photographs available through the GeoOttawa website and Google Earth. Refer to aerial photos in Appendix H. A summary of aerial photograph observations as they relate to the phase one property and study area is provided in Table 3-9.

Table 3-9: Aerial Photograph Review – Observations

Year	Scale	Source	Observations
1934	1:15,000	NAPL	<p>The phase one property appears to be used as an agricultural field with no visible structures.</p> <p>Immediately adjacent properties to the north, south, east and west also appear to be used as agricultural fields and have no visible structures.</p> <p>March Road is present to the northeast of the phase one property. Several structures to the west-northwest of the phase one property appear to be a farm homestead with associated barns and/or sheds. No other structures are located within the phase one study area.</p>
1945	1:15,000	NAPL	There are no notable changes to the phase one property or phase one study area in comparison to the 1934 photo.
1958	1:15,000	NAPL	<p>A single structure has been placed on the 591 March Road portion of the phase one property. The structure appears to be a single family dwelling with associated attached garage.</p> <p>What appears to be a single family dwelling has been constructed on the property immediately adjacent to the south of the phase one property. Otherwise, there are no notable changes to the phase one study area in comparison to the 1945 photo.</p>
1965	1:15,000	NAPL	There are no notable changes to the phase one property or phase one study area in comparison to the 1958 photo.



Table 3-9: Aerial Photograph Review – Observations

Year	Scale	Source	Observations
			What appears to be a second single family dwelling has been constructed on the property immediately adjacent to the south of the phase one property. Otherwise, there are no notable changes to the phase one study area in comparison to the 1958 photo.
1976	NA	GeoOttawa	<p>A structure with associated parking area has been constructed on the northern portion of the phase one property. The structure appears to be the original extents of the 603 March Road building.</p> <p>The farm house and associated building to west-northwest of the phase one property have been removed. Otherwise, there are no notable changes to the phase one study area in comparison to the 1965 photo.</p>
1985	1:15,000	NAPL	<p>An addition has been added to the west side of the 603 March Road structure. Additional parking with a small shed or garage has been added to the west of the 603 March Road structure. A tank can be seen close to the western wall of the building.</p> <p>Changes to the directly adjacent properties are as follows:</p> <ul style="list-style-type: none"> Hines Road has been constructed ending shortly after turning southwest from the phase one property. <p>There are no notable changes to the phase one study area in comparison to the 1976 photo.</p>
1991	NA	GeoOttawa	<p>The single family dwelling has been completely removed from the 591 March Road portion of the phase one property. The 555 and 591 March Road portions of the phase one property have been developed with structures matching the footprints of present-day of the buildings. An addition to the east side of the 603 March Road building has been constructed. A driveway from Terry Fox Drive and storage trailers are present in the western parking lot of the 603 March Road portion of the phase one property.</p> <p>Changes to the directly adjacent properties are as follows:</p> <ul style="list-style-type: none"> Terry Fox Drive has been constructed along the northwestern property boundary. The residential sub-division to the north of the phase one property has been constructed. A tower and multi-level structure has been constructed at 600 March Road, known as the Nokia Campus, to the east, across March Road.



Table 3-9: Aerial Photograph Review – Observations

Year	Scale	Source	Observations
			<ul style="list-style-type: none"> 95 Hines Road has been constructed to the southwest of the phase one property, across Hines Road. <p>In the phase one study area, the following changes were observed:</p> <ul style="list-style-type: none"> A structure matching the present-day footprint of the eastern most structure at 84 Hines Road has been developed. A structure matching the present-day footprint of 70 Hines Road has been developed. Further sub-division development is under construction to the northwest and north to northeast of the phase one property.
1999	NA	GeoOttawa	<p>There are no notable changes to the phase one property in comparison to the 1991 photo.</p> <p>The following changes were noted in the immediately adjacent properties:</p> <ul style="list-style-type: none"> March Road has been expanded and configured to the present-day layout. The 700 March Road commercial plaza has been developed. Additional towers and connecting buildings matching the present-day footprint have been developed at the 600 March Road property. 93 Hines Road has been constructed to the west of the phase one property, across Hines Road. <p>In the greater phase one study area, the following changes were observed:</p> <ul style="list-style-type: none"> The 50 Hines Road property has been developed with structures matching the present-day footprints. Structures matching the present-day footprint have been built at the 555 Legget Dr. property. Sub-division development northwest to northeast of the phase one property has been partially or fully completed.
2005	NA	GeoOttawa	<p>An addition to the north side of the 603 March Road building has been added, the structure now matches the present-day footprint. The western parking area of the 603 March Road portion of the phase one property has been expanded and the garage/shed as well as the trailers have been removed. The</p>



Table 3-9: Aerial Photograph Review – Observations

Year	Scale	Source	Observations
			<p>driveway from Terry Fox Drive now matches the present-day location.</p> <p>In the broader phase one study area, the buildings at 1000 Innovation Drive and 535 Legget Drive have been developed. The Shell gasoline service station at 720 March Road has also been developed. There were no other notable changes in comparison to the 1999 photo.</p>
2011	NA	GeoOttawa	<p>The volleyball pitch in the northwestern corner of the phase one property has been constructed. There is no longer a tank visible on the western wall of the 603 March Road structure. The parking area west of the 555 March Road has been connected to the 591 March Road parking area, matching the present-day conditions. No other notable changes to the phase one property or phase one study area were observed in comparison to the 2005 photo.</p>
2015	NA	GeoOttawa	<p>No changes to the phase one property were observed in comparison to the 2011 photo.</p> <p>Development of the 96 Hines Road/385 Terry Fox Drive properties, known as the Ciena Campus, to the west is underway. No other changes to the phase one study area were observed in comparison to the 2011 photo.</p>
2021	NA	GeoOttawa	<p>No notable changes to the phase one property or phase one study area were observed in comparison to the 2015 photo with the following exception:</p> <ul style="list-style-type: none"> The Ciena campus construction to the west appears complete.

The following information about the phase one property was collected through the air photo review:

- The phase one property was used as an agricultural field from at least 1934 to between 1945 and 1958, when a private residence was constructed on the 591 March Road portion of the phase one property. The northern portion of the phase one property remained agricultural fields until the early 1970's when it was purchased by a corporation and developed with their office (based on information from the chain of title search). Between 1965 and 1976, the 555 March Road portion of the phase one property was no longer used for agriculture and was left fallow.
- The 555 and 591 March Road portions of the phase one property were developed between 1985 and 1991 with structures matching their present-day building footprints. The 603 March Road portion of the phase one property underwent several additions until approximately 2005, when the building matched the present-day footprint. The 591 portion of the phase one property was never developed.



- The above ground storage tank (AST) located on the western wall of the 603 March Road building was reportedly used for liquid nitrogen (Section 3.1.6). The AST was reported to have been removed between 2005 and 2007.

The following phase one study area information relevant to the environmental condition of the phase one property was obtained through the air photo review:

- Much of the surrounding area was developed between 1985 and 1991. Developments filling in the remainder of the areas continued throughout the 1990's to the 2010's.
- Development has been largely dominated by office and/or high-tech manufacturing and residential with some commercial spaces to service the area.

No additional PCAs were identified through the aerial photo review.

3.3.2 TOPOGRAPHY, HYDROLOGY, AND GEOLOGY

The following maps and reports were reviewed to obtain topography, regional hydrology and geology information for the phase one property and surrounding phase one study area:

- GeoOttawa online mapping tool (<http://maps.ottawa.ca/geoottawa/>)
- Ontario Geological Survey (OGS), 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1
- Ontario Geological Survey (OGS), 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release— Data 128 – Revised
- Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario; Ontario Geological Survey, Miscellaneous Release — Data 22
- Ontario Ministry of the Environment Conservation and Parks (MECP), 2021. Water Well Information System (WWIS) Well Records Database.

The phase one property is located on a local topographic slope falling from the southwest to the northeast with an elevation of approximately 84 m above sea level (MASL). The phase one property is generally flat lying, however, infiltration swales on the northwestern edge and an elevation increase from the 595 to the 591 March Road portions of the phase one property are present. There are no permanent surface water bodies or areas of standing water on the phase one property or in the phase one study area. Surface Runoff is directed to parking lot edges, infiltration swales or March Road stormwater catchments. Shirleys Brook is the closest natural surface water body to the phase one property at a distance of approximately 513 m northeast at its closest point. Shirleys Bay, in Lac Deschenes on the Ottawa River is located approximately 2.8 km northeast of the phase one property.



No exposed native soil was observed during the site visit; however, topsoil was present across the landscaped areas of the phase one property. Surrounding properties either had similar exterior surface finishes or hard capped systems (i.e., asphalt or concrete) and exposed native soil was not observed. No bedrock outcrops were observed near the phase one property or in the immediate surrounding area. Geologic mapping indicates that the phase one property rests on Paleozoic bedrock terrain with little to no soil cover. Bedrock beneath the phase one property is described as Lower Ordovician dolostone and sandstone of the Beekmantown Group. Borehole logs provided in previous environmental reports (Section 3.1.6) indicate that surficial materials at the phase one property consist of topsoil, sand, and gravel between 0.15 – 1.2 m thick underlain by silty clay with gravel to the top of bedrock between 1.2 – 2.72 m below ground surface (mbgs). Bedrock was logged as interbedded dolostone and sandstone during one previous subsurface investigation conducted at the phase one property. These logs are consistent with published materials for the phase one property.

Based on previous environmental investigations (Section 3.1.6) groundwater is not found in significant quantities in overburden beneath the phase one property. Groundwater flow in the shallow bedrock is highly variable, but generally from the southwest to northeast. Regional groundwater flow is expected to be toward both the Ottawa River, located to the northeast of the phase one property.

3.3.3 FILL MATERIALS

The records review indicates that sand and gravel fill materials ranging in thickness from approximately 0.5 – 1.6 m are present under the 591 and 603 March Road parking areas of the phase one property. Fill materials may be present in other areas of the phase one property. The presence of fill materials of unknown quality on the phase one property is identified as a PCA as outlined in section 3.1.6.

3.3.4 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE

As noted in section 3.3.2, Shirleys Brook is the closest natural surface water body to the phase one property at a distance of approximately 513 m northeast at its closest point. Shirleys Bay, in Lac Deschenes on the Ottawa River is located approximately 2.8 km northeast of the phase one property. Based on the Ontario Ministry of Natural Resources Areas of Natural and Scientific Interest (ANSI) map, there are no ANSI on the phase one property or within the phase one study area (Figure 3, Appendix A).



3.3.5 WELL RECORDS

The Ontario water well records database was accessed directly and reviewed as part of the ERIS search. The five WWIS records associated with the phase one property are related to the installation of four water supply wells (one industrial and three domestic) in the 1950's and 1960's and the installation of monitoring wells related to environmental site assessments conducted by Patterson detailed in Section 3.1.6. The two WWIS records identified in the phase one study area were related to a monitoring well installed on the north side of Hines Road directly adjacent to the southwest phase one property boundary in 2014, and a monitoring well installed on 720 March Road approximately 235 m north of the phase one property in 2018. The 2018 monitoring well was installed behind a shell gas station at 720 March Road, the gas station has already been identified as a PCA based on other records reviewed.

Given that the phase one property and surrounding phase one study area are now serviced by the municipal water supply, it is assumed that the supply wells identified in the well records are no longer in use and have likely been abandoned. As the monitoring well records identified both on the phase one property and in the phase one study area are related to PCAs that have already been identified through the review of other records, no additional PCAs were noted from the WWIS records.

3.3.6 SITE OPERATING RECORDS

Based on information acquired during this phase one ESA, a portion of the phase one property (a unit in the building at 591 March Road) was historically operated as a commercial dry cleaner and chlorinated solvent contamination was subsequently discovered in soil and groundwater. Therefore, the phase one property is considered an "enhanced investigation property" as defined by O.Reg.153/04 due to its historic use. Based on information obtained during the site reconnaissance (Section 5), there is no longer any dry cleaning equipment in operation on phase one property; however, chlorinated solvent contamination in groundwater is still present.

Given the enhanced investigation property designation, OMI requested that March & Main provide additional operational records for the phase one property including: waste generation records associated with the historical registered waste Ontario waste generator number for the property, waste disposal records/information related to the historical waste generator number, and any emergency response plan/spill response plan for the phase one property. Since the waste generator records pre-date the current phase one property owners, no additional records could be produced for review. During the site reconnaissance (Section 5), no bulk storage of chemicals was observed to be stored on the phase one property. Therefore, no emergency response or spill response plans have been created.



Other information that is required to be reviewed at an enhanced investigation property including underground utility drawings, historic environmental monitoring data and environmental reports, and an inventory of ASTs and USTs were provided by March & Main (Section 3.1.6). Chemical use and storage areas that are part of the current onsite operations were inspected as part of the site reconnaissance (Section 5).



4 INTERVIEWS

OMI requested that March & Main identify the person(s) thought to be relevant to meeting the general and specific objectives of the phase one ESA (i.e. most knowledgeable of the history and operations of the phase one property and study area). March & Main proposed the interview be conducted with the following individual:

- Tim Kidney, Facility Operator at 603 March Road from 2016 to 2022. Tim oversaw the building operations, maintenance, and security while the 603 March Road portion of the phase one property was owned by Tundra, which was later acquired by Renesas.

Tim Kidney accompanied OMI during the site reconnaissance of 603 March Road, that was conducted on July 19, 2022. Questions related to current and historical operations at the facility were asked during the site reconnaissance. Information gathered from the interview is provided where relevant throughout this report. The most relevant information gathered from the interviewee (site representative) over the course of the phase one site reconnaissance concerning PCAs or APECs is as follows:

- The 603 March Road building is primarily of block and steel construction with slab on grade flooring.
- The 603 March Road building is heated using natural gas, however, the interviewee was not aware of any other heating fuel being historically used.
- To the knowledge of the interviewee, there had been no major spills at the 603 March Road portion of the phase one property.
- The interviewee was not aware of any hazardous waste being generated or managed at that phase one property.
- The interviewee was aware that OMI had discovered chlorinated solvent contamination in the shallow groundwater under and around the 603 March Road building but did not have any information as to the potential source.
- No major building renovations have been completed at the 603 March Road portion of the phase one property since the 2001 addition to the north side of the building. To the interviewee's knowledge, the asbestos identified in the 2001 Golder report was not disturbed or removed.
- Sporadic roof leaks in the connection between the original building and the addition on the eastern side of the 603 March Road building, between 1985 and 1991, have been dealt with as needed. No mould was identified as a result of the leaks and no major remediations or renovations were required.



- The current use of the 603 March Road building is for research and development of microprocessors and microcontrollers, and national sales for all of Renesas products and services.
- The interviewee indicated that historically, 603 March Road operated a clean room where electronic chip manufacturing was conducted.
- One former sump pit, now filled in, was used to pump liquid wastes generated in the clean room to the municipally connected sanitary sewer main. A second sump pit, still in operation, appears to be connected to a floor drain in the adjacent laboratory space. The interviewee did not have any information regarding the frequency of operation of the sump pit.
- The interviewee indicated that the 603 March Road building elevator, and associated hydraulic oil pump and tank, are serviced by a licenced elevator contractor on a quarterly basis.

A summary of PCAs identified through the interviews is provided in Table 4-1.

Table 4-1: PCAs Identified through Interviews

Address	Dist. (m)	Dir.	Description	Dates	PCA # (O.Reg. 153/04)
Phase one property	-	-	Former manufacturing of electronic components in a clean room. Elevator with associated hydraulic oil pump and storage tank.	1990s – 2000 2001 – present	19, 28



5 SITE RECONNAISSANCE

5.1 GENERAL REQUIREMENTS

The site reconnaissance consisted of two site visits, one to go through the buildings present on the phase one property and a second to explore the vegetated brush. The first site visit was conducted by Daniel Elliot and Eric Shilts of OMI, the second site visit was conducted by Daniel Elliot. Eric Shilts is a Qualified Person under O. Reg. 153/04 for the purpose of conducting or supervising a phase one ESA. Pertinent details of the site visit are included in Table 5-1 below.

Table 5-1: Site Visit Information

Date	Time and Duration	Weather Conditions	Personnel
July 19, 2022	09:00, 4 hrs	28 °C, clear	D. Elliot, E. Shilts
August 4, 2022	13:00, 4 hrs	28 °C, overcast	D. Elliot

All areas of the phase one property were accessible during the site reconnaissance. Due to proprietary and developmental research being conducted at 603 March Road, certain rooms were not photographed. Photographs taken during the site visits are presented in Appendix B. Appendix B includes a written description of each photograph with respect to records and figures, and an orientation for each photograph.

5.2 SPECIFIC OBSERVATIONS

The phase one property is irregular in shape and approximately 5.55 ha in plan area based on information gathered from the GeoOttawa online geographical information system. There are currently three permanent buildings on the phase one property; a single storey fitness centre (555 March Road), a single storey commercial strip plaza (591 March Road), and a two storey office building (603 March Road).

Other areas of the phase one property include paved parking areas which wrap around the south and west of 555 March and connect to the 591 March parking area encompassing the southeastern area of that portion of the phase one property. The paved parking area of 603 March also wraps around the southern and western portions on the building, extending to the western property boundary. The remainder of the phase one property is unmaintained vegetated area which covers the western portion of 555 March and all of 595 March.

As previously indicated, the 555 and 591 March portions of the phase one property are connected via parking areas and can only be accessed from March Road. 603 March can be accessed via Terry Fox Drive or March Road. A fence runs along the 603 March western property boundary and



a portion of the southern boundary, between 603 and 595 March. Another fence runs along the southern phase one property boundary.

5.2.1 ABOVE-GROUND STRUCTURES

Current Above-Ground Structures

555 March Road

Based on information obtained through review of FIPs and aerial photos, the 555 March Road building on the phase one property was constructed in 1988, with no external renovations occurring since. According to the chain of title search, it appears the last major interior renovation occurred prior to leasing to Good Life Fitness in 2007.

The 555 March Road building is currently utilized as an exercise and fitness centre. The main area consists of a reception desk, exercise and weight training equipment, and access to offices and change rooms. Located in the southwestern corner of the building are private fitness studio rooms and a former childcare room. Utility rooms are located in the western portion of the building accessed through the men's change room. A loading bay door and water main with fire suppression system plumbing are also located in the western portion of the building, accessible through the northwestern area of the main room.

The building is of block construction with a poured concrete foundation and is clad with metal siding in all areas. Interior building finishes are summarized as follows:

- Walls – mix of temporary paneling, dry wall and exposed painted block
- Ceilings – mix of mineral fibre ceiling tiles (drop ceiling) and exposed roof deck
- Floors – mix of carpet on top of concrete, ceramic/porcelain tiles, rubber matting, and concrete

591 March Road

Based on information obtained through review of FIPs and aerial photos, the commercial plaza building was constructed in 1989 and has remained relatively unchanged since construction. The foundation of the building is slab on grade concrete, it has a steel frame construction with walls and ceiling constructed of steel on steel or stucco on steel walls and steel roof decking. The building is separated into several units using metal studs and drywall. Each unit can be accessed via exterior doors along the southern side of the building which open on to the parking area. At the time of the site visit, the building was being used for the following:

- Unit #1 – March Road Veterinary Hospital, veterinary services



- Unit #5 – Harbin Chinese Casserole Restaurant, restaurant
- Unit #6 – Green Leaf Bubble Tea, beverage vendor
- Unit #7 – Cooperators Insurance, insurance broker
- Unit #8 – Chicco Optical, optometrist and eye glasses sales
- Unit #9 – Currently vacant, formerly occupied by Ottawa Lifestyle Medicine, supplement supplies
- Unit #10 – Currently vacant, formerly occupied by an Asian language arts and music school/tutor
- Unit #12 – Sunny Day Foot Spa, pedicure and spa services
- Unit #15 – Casey’s Pet Grooming and Doggie Daycare, pet grooming and day care services

Each interior unit contained different finishes depending on the business operating within. Generally, the finishes were as follows:

- Walls – mix of drywall and/or temporary paneling.
- Ceilings – mix of mineral fibre ceiling tiles (drop ceiling) and exposed roof deck.
- Floors – mix of bare or painted concrete, laminate flooring, ceramic/porcelain tiles, and linoleum tiles.

603 March Road

Based on information obtained through review of chain of title records, client supplied construction drawings, and aerial photos, the original building was constructed between 1969 and 1976 with major additions in 1983, 1989 – 1990, and 2001. The foundation of the building is slab on grade concrete, it has a steel frame construction with walls and ceiling constructed of steel on steel or masonry veneer on steel walls and steel roof decking. The building is separated into several units using metal studs and drywall. Each unit is accessed internally after entry to the building via exterior doors in the northwest, southwest, south, and southeast areas of the building which open on to the parking area. At the time of the site visit, the building was being used for office space and high-tech research and development labs. Open atriums were present to accommodate second floor access in the northwest and southeast entry foyers.

Interior finishes are summarized as follows:

- Walls – mix of drywall and/or temporary paneling.
- Ceilings – mix of mineral fibre ceiling tiles (drop ceiling) and exposed roof deck.



- Floors – mix of bare or painted concrete, laminate flooring, ceramic/porcelain tiles, and linoleum tiles.

Historical Above-Ground Structures

Based on the aerial photo review, there was one building historically on the phase one property; a single family dwelling was located on the 591 March Road portion of the phase one property from the 1950s through the late 1980s.

There is no information available relating to the specific use of the former building, however, the chain of title for the time period indicates private owners of that municipal address until that portion of the phase one property was re-developed into a commercial strip plaza in the late 1980s. No evidence of the historic building was observed during the site visit.

5.2.2 BELOW-GROUND STRUCTURES

Current Below-Ground Structures

All buildings on the phase one property are of slab on grade construction and do not have any below grade portions. The phase one property is serviced by underground utilities included potable water, sanitary and storm sewers, electricity, and natural gas. The location of underground utilities is shown on Figure 4, Appendix A.

Historical Below-Ground Structures

No below-ground structures are known to have existed at the phase one property in the past.

5.2.3 SITE OPERATIONS

Current Site Operations

The phase one property is currently being operated as a fitness centre (555 March), a commercial strip plaza (591 March), and high-tech research and development labs and office space (603 March). Additional details regarding the current operations on the phase one property are provided in previous sections.

Historical Site Operations

The phase one property was historically used as an agricultural field until the 1940s or 1950s when a portion of it was developed with a private residence. In the 1970s, the 603 March portion of the phase one property was developed with an office building, which underwent additions in 1983,



1989 – 1990, and 2001. From the 1990s to the early 2000s the facility was partially used for the manufacturing of electronic components. In the late 1980s, the southern portion of the phase one property was re-developed into electronic component manufacturing (555 March) and a commercial strip plaza (591 March). The phase one property has operated in generally the same capacity as described above under “current site operations” since 2005.

5.2.4 HAZARDOUS WASTE

As noted in Section 3.2.2, there are multiple waste generator records associated with the phase one property for the years 1995-2005 indicating that some hazardous waste including; halogenated solvents, acid wastes – other metals, and organic laboratory chemicals, were once generated on the property, but no longer are. OMI requested that the Owners provide additional information regarding the quantities of waste generated at the phase one property and management practices specific to the waste generator records; however, no additional information or documentation were available since these records pre-date the current phase one property owners.

No significant quantities of hazardous chemicals were observed to be stored on the phase one property during the site visit. Cleaning chemicals and paints were stored in the utility room of 555 March Road and within each unit of 591 March Road. Similarly, small quantities of cleaning chemicals and paints were stored in a flammable’s cabinet in the maintenance workshop of 603 March Road.

5.2.5 DRAINS AND SUMPS

There is a sump in the former loading bay and an elevator sump beside the only elevator in 603 March Road. According to the site representatives, the sumps are rarely activated.

Small floor drains are located throughout the 555, 591, and 603 March Road buildings in washrooms, the change rooms/showers, storage rooms, the janitorial rooms, and in the cafeteria.

Grease traps were observed in the restaurant unit of 591 March Road and the cafeteria of 603 March Road. The restaurant grease trap is serviced by the business owner on a monthly basis. The 603 March Road grease trap has not been in use since the cafeteria was closed in early 2020.

5.2.6 MECHANICAL EQUIPMENT

Mechanical equipment observed on the phase one property during the site reconnaissance is summarised as follows:

- Hot water tanks in utility room of 555 March Road.



- Hot water tank in each unit of 591 March Road.
- Hot water tanks in various locations throughout 603 March Road.

Air handling units which are located on the roofs of each of the phase one property buildings were not inspected as part of the site reconnaissance.

There is a hydraulic elevator installed in a stairwell in the southeast area of the 603 March Road building. The elevator has an approximately 630 L hydraulic oil storage tank in an adjacent room. Elevator and tank maintenance records were reviewed during site reconnaissance. The records indicate that the system is checked and maintained by an elevator contractor on a quarterly basis.

5.2.7 STORAGE TANKS

There are currently 5 ASTs on the phase one property:

- A single walled steel AST manufactured in 2001 with a capacity of approximately 630 L used to store hydraulic oil for the elevator.
- Two mineral oil-filled pad mounted transformers of unknown volume along Terry Fox Drive at the northern phase one property boundary.
- One pad mounted transformer adjacent to the parking area of 591 March Road.
- One pad mounted transformer adjacent to the southern corner of the 555 March Road building.

The hydraulic oil AST is stored inside the 603 March Road building, in a utility room adjacent to the elevator. The AST is adjacent to a sump pit, which is intended to capture any spills or releases. According to the site representatives, the AST, hydraulic pump, and elevator system are maintained on a quarterly basis by an elevator contractor.

The mineral oil filled transformers indicated that the oil contained within did not contain PCB's at the time of manufacture. The older transformer had a manufacture date of 2001, while the newer transformer had a manufacture date of 2015. No information plates were available for the remaining two transformers. As such, OMI could not determine if the transformers were filled with oil. No evidence of material degradation or spills were observed during the site reconnaissance.

The presence of an AST and transformers on the phase one property have been identified as a PCA.



5.2.8 SPILLS AND RELEASES

No spill records associated with the phase one property were identified in the ERIS search. During the site reconnaissance, no evidence of recent spills or releases were observed.

As indicated by past environmental investigations on the phase one property, historical releases of halogenated solvents occurred on the 591 and 603 portions of the phase one property. These releases, and areas of known contamination, have been identified as a PCA.

5.2.9 GENERAL UTILITY SERVICES

Based on discussions with interviewees, observations at the time of the reconnaissance, and the utility layout on GeoOttawa, the phase one property is serviced with municipal services including potable water, electricity, sanitary and storm sewers, and natural gas. Potable water, storm, and sanitary sewer services are supplied by the City of Ottawa. Electricity is provided by Hydro Ottawa. All heating systems at the phase one property are fueled using natural gas supplied by Enbridge.

Refer to Appendix A, Figure 4 which shows locations of underground site utilities at the phase one property.

5.2.10 SOLID WASTE GENERATION, STORAGE, AND DISPOSAL

According to interviewees and based on observations made during the site reconnaissance, solid wastes generated at the phase one property include domestic/office-type waste from the office building, fitness centre, and several of the commercial tenants, as well as food wastes and used cooking oil/grease from the restaurant. Although waste generator records for the phase one property were identified in the ERIS report, no further information regarding hazardous waste generation or disposal could be provided by the site representatives. All solid waste and recycling are collected for off-site disposal by third party waste removal contractors and licenced haulers.

5.2.11 AIR EMISSIONS

There are no current reported/registered air emissions associated with the phase one property.

5.2.12 WATER SOURCES

As stated above, potable water is supplied to the phase one property via the municipal distribution system. There are no other potable or non-potable water sources on the phase one property.



5.2.13 WELLS

No wells (as defined in or under the Ontario Water Resources Act and the Oil, Gas and Salt Resources Act) were identified on the phase one property during the site reconnaissance. Several monitoring wells were observed in locations specified by previous environmental reports.

Five WWIS records associated with the phase one property were identified in the ERIS search (section 3.2.2). Four of the records are related to the supply wells installed on the phase one property (one for industrial supply and three for domestic water supply). One of the records pertains to the 2010 – 2011 Phase II ESA conducted by Paterson as part of the investigation of subsurface contamination attributed to the former dry cleaner. There are no records indicating any of the wells, domestic or monitoring, were decommissioned. In 2021 – 2022, OMI's predecessor company Concentric Geoscience oversaw the installation of 18 monitoring wells on the 603 March portion of the phase one property as part of a Phase II ESA.

During the site reconnaissance, dozens of unprotected monitoring well pipes were observed on the 595 March Road portion of the phase one property. No records for the installation of these wells could be located; however it is assumed the wells were installed by Paterson as part of the site characterization and remediation programs they carried out. Documentation related to the installation of these wells was requested from the site representatives. No records had been provided by the time of this writing.

5.2.14 SEWAGE WORKS

Based on observations made during the site reconnaissance and information collected during the records review, there are no sewage works present at the phase one property.

5.2.15 GROUND COVER

The total area of the phase one property is approximately 5.55 ha. Ground cover at the phase one property is broken down as follows:

- Approximately 15% buildings
- Approximately 25% asphalt (parking areas, uncovered loading docks, and access roads)
- Approximately 60% brush/grass/landscaping

Vegetated areas appeared unmaintained with areas of potential broken rock fill at the corner of Hines Road. General litter and rubbish were observed within the vegetated areas, but no other signs of filling or dumping were present. Fill of unknown quality observed on the phase one property has been identified as a PCA.



5.2.16 RAILWAY LINES AND RAIL SPURS

Based on information collected during the historical records review, the site visits, and the interview, no rail lines or spurs have ever been present at the phase one property.

5.2.17 SPECIAL ATTENTION SUBSTANCES

Previous environmental reports indicated that a limited asbestos survey of the 603 March Road building had been conducted (Section 3.1.6). The results of the limited survey are as follows:

- Asbestos: Potentially still present in pipe insulation of the former main electrical room at 603 March Road.

During the site reconnaissance, the following special attention substances were observed, or have the potential to be present, on or in building materials based on the ages of the buildings:

- Asbestos: Not expected beyond what was noted above.
- Lead: Potentially present in surface coatings (paint) at 603 March Road only
- Crystalline Silica: Potentially present in cement
- Mercury and PCBS: Potentially present in fluorescent lights/light ballasts. Mercury thermostats were noted in one unit of 591 March Road and at various locations in 603 March Road.

Completion of an asbestos/hazardous materials survey or review of existing reports relating to the onsite buildings would be required to confirm the presence/absence of the above-noted special attention substances and to evaluate any risks associated with their presence.

5.2.18 POTENTIAL CONTAMINATING ACTIVITIES

Additional PCAs as described in Table 2, Schedule D of O.Reg. 153/04 were identified on the phase one property as a result of the site visit and are summarised in Table 5-2 in Section 5.4.

5.2.19 UNIDENTIFIED SUBSTANCES

No unidentified substances were observed at the time of the site reconnaissance.



5.2.20 ENHANCED INVESTIGATION OF PROPERTY

As stated in section 3.3.6, the phase one property is considered an “enhanced investigation property,” as defined by O.Reg.153/04. Enhanced investigation activities initiated as part of the phase one ESA are described in Section 3.3.6.

5.3 INVESTIGATION OF PHASE ONE STUDY AREA

The site reconnaissance of the phase one study area (other than the phase one property) was carried out as required by section 14 of Schedule D in O. Reg. 153/04 to identify, locate and document PCAs, water bodies and areas of natural significance in the part of the phase one study area that is outside of the phase property and that is not covered by buildings or other structures. The investigation involved a combination of walking and windshield reconnaissance.

The following relevant information relating to properties adjacent to the phase one property in the phase one study area was collected during the site visit:

Acklam Terrace (north and northwest of phase one property):

- Consistent with historical documents and aerial photos, the area north and northwest of the phase one property is a residential neighbourhood.

700 March Road (north of phase one property):

- Commercial plaza with various retail outlets, restaurants, and dental and medical offices.
- Star Fashion Cleaners, a dry cleaning facility, was noted among the retail outlets.

720 March Road (north of phase one property):

- This property is operated as a Shell retail gasoline station.

600 March Road (northeast and east of phase one property)

- This property is operated as the Nokia campus and parking area.

525 March Road (southeast of phase one property)

- This property is operated as an independent insurance provider/broker.

88 Hines Road (southeast of phase one property)

- This property is operated by CCI/Telemus, radio antennae and electronic warfare hardware and software manufacturers.



1000 Innovation Drive (south of phase one property)

- An office building with several different commercial and high-tech tenants

93 – 95 Hines Road (southwest of phase one property)

- Various high-tech software manufacturers, trade contractors' shops (HVAC and electrical), contractor supply stores, and a fitness centre.

96 Hines Road and 385 Terry Fox Drive (west of phase one property)

- Ciena campus, buildings B and C and parking lot.

5.4 SUMMARY OF INVESTIGATION

The investigations associated with the site reconnaissance of the phase one property and study area (as described in 5.1, 5.2, and 5.3 including subsections) involved two site visits and associated inquiries in accordance with Sections 13 and 14 of Schedule D in O. Reg 153/04 (as amended).

Three additional PCAs were identified on the phase one property as a result of the site reconnaissance as summarized in Table 5-2. Refer to Table 2-1 for the corresponding definitions for each PCA number shown in Table 5-2.

Table 5-2: PCAs Identified on through Site Reconnaissance

Address	Dist. (m)	Dir.	Description	Dates	PCA # (O.Reg 153/04)
Phase one property	-	-	Storage of hydraulic oil in a fixed tank for use in an elevator system. Two pad mounted, oil filled transformers located on the northern property boundary. One transformer adjacent to the 591 March Road parking area. One transformer adjacent to the 555 March Road building. Broken rock fill at the corner of Hines Road, west of the phase one property.	2001 – present; 2001 – Present; 2015 – present; Unknown – present	28, 30, 55



6 REVIEW AND EVALUATION OF INFORMATION

Review, evaluation, and interpretation of information obtained from the records review, the interviews and the site reconnaissance components of this phase one ESA was completed with consideration of the general and specific objectives of this phase one ESA. The following subsections provide information on the review and evaluation of the information in accordance with Part V of Schedule D, O. Reg. 153/04.

6.1 CURRENT AND PAST USES

Table 6-1 provides a description of the current and past uses of the phase one property to its first developed use, as per section 16 of Schedule D of O. Reg. 153/04.

Table 6-1: Current and Past Uses of Phase One Property

Years	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photos, FIPs etc.
555 March Road				
1837 – 1960	Various individuals/ private landowners	Privately owned; agricultural land/ unknown/ fallow	Agricultural	
1960 – 1963	Mic Mac Realty (Ottawa)	Agricultural land/ fallow	Agricultural	Land appears to be fallow in aerial photos.
1963 – 1972	Various individuals/ private landowners	Privately owned; agricultural land/ fallow	Agricultural	Land appears to be fallow in aerial photos.
1972 – 1989	South March Developments Ltd; Fussen Investments (Ontario) Inc.; Rusint Property Inc.	Agricultural land/ fallow	Agricultural	Land appears to be fallow in aerial photos.
1989 – 2007	Rusint Property Inc.; 555 March Rd Inc.	Single structure used by electronic component manufacturers	Industrial	Building footprint does not change from time of construction in 1989.



Table 6-1: Current and Past Uses of Phase One Property

Years	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photos, FIPs etc.
2007 – present	555 March Rd Inc; March and Main Developments Inc.	Building repurposed as a health and fitness centre	Community/ Commercial	Building footprint does not change from time of construction in 1989.
591 March Road				
1837 – 1950	Various individuals/ private landowners	Privately owned; agricultural land/ unknown	Agricultural	
1950 – 1988	Various individuals/ private landowners	Single family dwelling, privately owned.	Residential	Single family dwelling was constructed between 1945 and 1958.
1988 – 1989	Kerscott Developments Ltd.; Alex Testa; Kerscott Developments Ltd.	Property developed with single storey commercial plaza and associated parking area.	Commercial	Building matches present-day footprint.
1989 – present	CIBC Mortgage Corp.; Private owner(s); D.I.R. Investments Inc.	Various retail and service tenants. Single storey commercial plaza and associated parking area	Commercial	Building footprint does not change from 1989 to present.
595 March Road				
1837 – 1969	Various individuals/ private owners	Privately owned; agricultural land/ unknown	Agricultural	
1969 – present	Leigh Controls Ltd.; Minto Construction Ltd.; OTNIM Properties Ltd.; Nortech Land Developments Inc.; Cisco Systems Co.; D.I.R. Investments Inc.; 591 & 595 March Road	Landscaped then unmaintained	Vacant	Maintenance ceased between 1991 and 1999.



Table 6-1: Current and Past Uses of Phase One Property

Years	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photos, FIPs etc.
	Developments Inc.			
603 March Road				
1837 – 1969	Various individuals/ private owners	Privately owned; agricultural land/ unknown	Agricultural	
1969 – 1983	Leigh Controls Ltd; 329744 Ontario Ltd.; Mitel Corp.; Admiral Leasehold Ltd. Mitel Corp.	Development and possible manufacture of electronic components. Single building on property.	Industrial	Single building and associated parking area with landscaped areas surrounding.
1983 – 1989	Trillium Telephone Systems Inc.; Mitel Corp.	Property used for the development and possible manufacture of electronic components.	Industrial	Addition to the southwest side of the building extending footprint.
1989 – 2001	Regional Development Corp.; Newbridge Networks Corp.; Tundra Semiconductors Corp.	Property used for the development and possible manufacture of electronic components.	Industrial	Addition to the northeast side of the building extending footprint.
2001 – present	Tundra Semiconductors Corp.; Renesas Electronics Canada Ltd.; March and Main Developments Inc.	Property no longer used for manufacture of electronic components. Research and development of microprocessors and microcontrollers. Portions of the building used for office space.	Industrial/ Commercial Office	An addition to the northwest side of the building further extending footprint. Building footprint matches present-day outline as of 2001.



6.2 POTENTIALLY CONTAMINATING ACTIVITIES

6.2.1 PHASE ONE PROPERTY

Table 6-2 documents the PCAs (as prescribed by O. Reg. 153/04 under Schedule D, Table 2) that were identified at the phase one property as a result of the records review, interviews and site reconnaissance. Refer to Figure 5 for locations of the PCAs.

Table 6-2: PCAs Identified at the Phase One Property

O.Reg. 153/04 Schedule D, Table 2 PCA Category	Location/Description
8. Chemical manufacturing, processing, and bulk storage	Based on waste generator records, 603 March Road may have stored bulk quantities of laboratory chemicals.
19. Electronic and computer equipment manufacturing	Former clean room manufacturing of electronic components within the 603 March Road building. Electronic equipment manufacturing operations within the 555 March Road building.
28. Gasoline and associated products storage in fixed tanks	603 March Road building elevator and associated hydraulic oil pump and storage tank.
30. Importation of fill of unknown quality	Fill identified from borehole logs beneath asphalt driveways and parking areas across the phase one property. Broken rock filling on corner of Hines Rd.
37. Operation of dry-cleaning equipment (where chemicals are used)	Dry cleaning facility within 591 March Road, known subsurface contamination due to release of dry cleaning chemicals.
55. Transformer manufacturing, processing and use	Two oil filled, pad mounted, high voltage electrical transformers located along the northern property boundary. One transformer adjacent to the 591 March Road parking area. One transformer adjacent to the 555 March Road building.
58. Waste disposal and waste management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	The phase one property is within the risk management area of the former March Landfill located approximately 1.6 km to the west of the phase one property.

6.2.2 PHASE ONE STUDY AREA

Table 6-3 documents the PCAs (as prescribed by O. Reg. 153/04 under Schedule D, Table 2) that were identified within the phase one study area (other than the phase one property) as a result of the records review, interviews and site reconnaissance. Refer to Table 2-1 for the corresponding definitions of each PCA number shown in Table 6-3. PCAs in the phase one study area are shown on Figure 5, Appendix A.



Table 6-3: PCAs Within Study Area, Other than Phase One Property

PCA Category	Location/Description			
	Address	Dist. (m)	Dir.	Description
8, 19	88 Hines	0	SE	Electronic Equipment Manufacturing - Flexus Electronics Electrical and electronic machinery, equipment and supplies: - Ultra Electronics TCS (Telemus) GEN – Acid waste – heavy metals, Alkaline wastes – other metals, other specified inorganics, inorganic laboratory chemicals, aliphatic solvents, halogenated solvents, photo processing wastes, polymeric resins, waste compressed gases, paint/pigment/coating residues, waste oils & lubricants SCT – Semiconductor and other electronic component manufacturing
31	525 March	0	ESE	SCT – Carbon paper and inked ribbons, all other misc. chemical product manufacturing
8, 19, 34	95 Hines	24	SSW	Communication and other electronic equipment industries: - Flexus Electronics - Omega Telemus Inc. SCT – Fabricated metal products, not elsewhere classified GEN – Aromatic solvents, petroleum distillates, waste oils & lubricants, acid waste – heavy metals, acid waste – other metals, alkaline wastes – other metals, oil skimmings & sludges, paint/pigment/coating residues, waste compressed gases, polymeric resins
8, 19, 34	93 Hines	26	SW	Metal Fabrication - L D Tool & Die Manufacturing: - Laser Line Optics Canada - L D Tool & Die SCT – Industrial mould manufacturing, all other plastic product manufacturing GEN – Waste oils & lubricants; Aliphatic solvents, brines, chlor-alkali wastes SPL – 760 L of calcium chloride spilled to ground
8, 58	1000 Innovation	26	S	SCT – Waste treatment and disposal GEN – Aliphatic solvents and residues GEN – Wastes from the use of pigments, coatings and paints, misc. wastes and inorganic chemicals, misc. waste organic chemicals, waste compressed gasses including cylinders
8, 19	600 March	47	E	Electronic Equipment Manufacturing



Table 6-3: PCAs Within Study Area, Other than Phase One Property

PCA Category	Location/Description			
	Address	Dist. (m)	Dir.	Description
				<ul style="list-style-type: none"> - Alcatel Networks Corp. - Newbridge Networks Corp. SCT – Radio and television broadcasting and wireless communications equipment manufacturing, semiconductor and other electronic component manufacturing, computer and peripheral equipment manufacturing, telephone apparatus manufacturing GEN – Aliphatic solvents, alkaline wastes – heavy metals, other specified inorganics, halogenated pesticides, alkaline wastes – other metals, waste oils & lubricants, waste compressed gases, inorganic laboratory chemicals, petroleum distillates, organic laboratory chemicals, inorganic laboratory chemicals GEN – Acid solutions – containing heavy metals, alkaline solutions – containing heavy metals, alkaline solutions – containing other metals and non-metals, other specified inorganic sludges, slurries or solids, misc. wastes and inorganic chemicals, aliphatic solvents and residues, petroleum distillates, wastes from pigments, coatings and paints, aliphatic residues, waste crankcase oils and lubricants, halogenated pesticides and herbicides, waste compressed gas cylinders
39	132 Acklam	66	WNW	Industrial construction: <ul style="list-style-type: none"> - Valley Line Painting - Valley Pavement Striping
8, 19	84 Hines	68	SE	Electrical and electronic machinery, equipment and supplies: <ul style="list-style-type: none"> - Arrow-Ottawa Technology Center - Taral Networks - Arrow Electronics Canada Ltd Manufacturing: <ul style="list-style-type: none"> - Quake Technologies GEN – Inorganic laboratory chemicals, polymeric resins, aliphatic solvents, alkaline wastes – other metals SCT – Semiconductor and other electronic component manufacturing
37	700 March	83	N	Dry Cleaning Facility <ul style="list-style-type: none"> - Star Fashion Cleaners - Carp Quality Cleaners and Laundry
8	80 Hines	120	SE	GEN – Oil skimmings & sludges, waste oils & lubricants, organic laboratory chemicals



Table 6-3: PCAs Within Study Area, Other than Phase One Property

PCA Category	Location/Description			
	Address	Dist. (m)	Dir.	Description
8	385 Terry Fox	126	WSW	GEN – Other specified inorganic sludges, slurries or solids, alkaline solutions – containing other metals and non-metals, misc. wastes and inorganic chemicals, misc. waste organic chemicals, waste compressed gases
28	70 Hines	161	SE	SPL – 150-250 L of diesel fuel to ground due to material failure. No response was noted
19	360 Terry Fox	180	ENE	Semiconductor and related device manufacturing: <ul style="list-style-type: none"> - API Filtran - Artaflex Corp.
8, 19	1145 Innovation	192	SSE	SCT – Radio and television broadcasting and wireless communications equipment manufacturing GEN – other specified inorganics, aliphatic solvents GEN – Organic acids, other specified organic sludges, slurries or solids, polymeric resins, aliphatic solvents and residues
8, 19	50 Hines	194	S	Manufacturing: <ul style="list-style-type: none"> - DRS EQ & Network Systems Canada - Power Integrations - Cyrium Technologies Semiconductor devices, microprocessors, power supply: <ul style="list-style-type: none"> - Electrosource Inc. Simulators, electronic components, computer software (simulation), radar systems (naval): <ul style="list-style-type: none"> - Excalibur Systems Ltd SCT – All other general purpose machinery manufacturing, semiconductor and other electronic component manufacturing, navigational and guidance instruments manufacturing, manufacturing and reproducing magnetic and optical media SCT – Commercial and service industry machinery manufacturing GEN – Inorganic laboratory chemical, aliphatic solvents, polymeric resins, oil skimmings & sludges, organic laboratory chemicals GEN – Inorganic laboratory chemicals, alkaline wastes – other metals, organic laboratory chemicals
40	10 Acklam	210	WNW	PES – Limited vendor, florist shop
6, 8, 19, 37	555 Legget	233	E	Dry Cleaning Facility <ul style="list-style-type: none"> - Star Fashion Cleaners



Table 6-3: PCAs Within Study Area, Other than Phase One Property

PCA Category	Location/Description			
	Address	Dist. (m)	Dir.	Description
				<p>SCT – Other leather and allied product manufacturing, all other plastic product manufacturing, telephone apparatus manufacturing, radio and television broadcasting and wireless communication equipment manufacturing, manufacturing and reproducing magnetic and optical media, battery manufacturing, all other electrical equipment and component manufacturing, software publishers</p> <p>SCT – Computer and peripheral equipment manufacturing, radio and television broadcasting and wireless communications equipment manufacturing, semiconductor and other electronic component manufacturing, measuring, medical and controlling devices manufacturing</p> <p>GEN – Aliphatic solvents, aromatic solvents, polymeric resins, halogenated solvents, organic laboratory chemicals, waste compressed gases</p> <p>GEN – Other specified inorganics, alkaline wastes – heavy metals, other inorganic acid wastes, inorganic laboratory chemicals, aliphatic solvents, waste compressed gases, waste oils & lubricants, PCB's, petroleum distillates, paint/pigment/coating residues, alkaline wastes – other metals</p> <p>GEN – Acid waste – heavy metals, alkaline wastes – heavy metals, other specified inorganics</p> <p>NPRI – Exhaust release from Tower A & B for the following contaminants: Nitrous Oxide, Oxides of nitrogen, methane, volatile organic compounds (VOCs), carbon monoxide, hydrofluorocarbon, particulate matter <10 microns, particulate matter <2.5 microns, sulphur dioxide, total particulate matter</p>
28	720 March	235	NW	<p>Fuel Service Station</p> <ul style="list-style-type: none"> - Shell Canada <p>FSTH – 3 – 40,000 L double walled gasoline USTs, 1 – 25,000 L double walled diesel UST</p> <p>FST – Gasoline Station, fiberglass double walled UST</p> <p>SPL – 25 L of gasoline to ground, no environmental impact anticipated; 15 L of diesel spill to pavement, no environmental impact anticipated</p> <p>DTNK/FST – 3 Expired 50,000 L single walled fiberglass liquid fuel tank installed in 1999</p>
8, 19	535 Legget	240	E	<p>Manufacturing:</p> <ul style="list-style-type: none"> - Pika Technologies Inc.



Table 6-3: PCAs Within Study Area, Other than Phase One Property

PCA Category	Location/Description			
	Address	Dist. (m)	Dir.	Description
				NPRI – Exhaust release from Tower C for the following contaminants: Nitrous Oxide, Oxides of nitrogen, methane, volatile organic compounds (VOCs), carbon monoxide, hydrofluorocarbon, particulate matter <10 microns, particulate matter <2.5 microns, sulphur dioxide, total particulate matter GEN – Misc. waste organic chemicals, waste compressed gases, wastes from the use of pigments, coatings and paints

As shown in Table 6-3, PCAs were associated with 19 different addresses within the phase one study area and are primarily associated with both current and historical commercial or industrial operations including gas stations, commercial printing operations, dry cleaners, metal fabrication, and high-tech manufacturing. Only the PCAs identified in Table 6-3 highlighted in grey are considered to pose a risk to the environmental condition of the phase one property; the rest are not considered to pose a risk to the environmental condition of the phase one property given their nature, age and/or separation distance and direction from the phase one property.

6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Table 6-4 below identifies and describes APECs in accordance with clause 16 (2) (a) in Schedule D of O. Reg. 153/04. Each PCA was evaluated in accordance with the criteria described in Section 6.3.1. Refer to Figure 6 for location of APECs on the phase one property. See Section 6.3.2 for further description of contaminants of potential concern (COPCs).

Table 6-4: Areas of Potential Environmental Concern

APEC	Location of APEC	PCA No.	PCA – on-site or off-site	COPCs	Media Potentially Impacted
APEC A Former electronic component manufacturing	Interior and immediately surrounding area of the 555 March Road building on the phase one property.	19	On-site	VOC	Soil and Groundwater
APEC B Former dry cleaning facility	Interior and immediately surrounding area	37	On-site	VOC	Soil and Groundwater



Table 6-4: Areas of Potential Environmental Concern

APEC	Location of APEC	PCA No.	PCA – on-site or off-site	COPCs	Media Potentially Impacted
	of the 591 March Road building; area of known contamination north of building on the phase one property				
APEC C Former electronic component manufacturing	Interior and surrounding area of 603 March Road building; area of known groundwater contamination on the phase one property.	8 19	On-Site	VOC	Soil and Groundwater
APEC D Storage of hydraulic oil	Interior and immediately surrounding area adjacent to elevator at 603 March Road on the phase one property.	28	On-Site	PHC BTEX	Soil and Groundwater
APEC E High voltage electrical transformers	Northern phase one property boundary; 591 March Road parking area; 555 March Road building	55	On-Site	PHC BTEX PCB	Soil and Groundwater
APEC F Potential bulk chemical and ink storage; electronic component manufacturing; metal fabrication	Southern and southwestern phase one property boundaries	8 19 31 34	Off-Site	PHC VOC Metals	Soil and Groundwater
APEC G Imported fill used as base for roads and parking	Northern and southeastern paved areas; West central	30	On-site	PHC BTEX PAH Metals	Soil



Table 6-4: Areas of Potential Environmental Concern

APEC	Location of APEC	PCA No.	PCA – on-site or off-site	COPCs	Media Potentially Impacted
areas; broken rock fill adjacent to Hines Road	area of the phase one property				
APEC H Former March Landfill risk management area	All exterior areas of the phase one property.	55	Off-site	VOC	Groundwater

6.3.1 EVALUATION LOGIC AND REASONING

OMI’s evaluation related to the existence of APECs on, in or under the phase one property was based on the review of available information and exercise of professional judgement. All of the identified PCA’s were evaluated in the context of:

- Distance and direction from the site in relation to the inferred direction of groundwater flow;
- The age of the PCA;
- Changes/redevelopment to the property on which the PCA is located since the occurrence of the PCA;
- The potential for the PCA to generate lasting, mobile contamination.

PCAs were not carried forward as APECs if the above evaluation determined that they did not have potential of posing an actual risk to the environmental condition of the phase one property. All of the PCAs identified on the phase one property have been carried forward as APECs based on the evidence collected through the phase one ESA and the above evaluation.

In regard to APEC C, the former electronic component manufacturing operations, the Phase II ESA conducted by OMI (Section 3.1.6) indicates that subsurface impacts related to the former site operations are present. However, the impacts were not fully delineated laterally or vertically at the time of the study. Therefore, uncertainty remains as to the maximum concentrations of VOC parameters in groundwater and the location of the source zone. For this reason, the area of known groundwater impacts was included as part of APEC C.

The on-site PCA associated with the hydraulic oil AST in the elevator machine room that has resulted in APEC D is considered to pose a low risk of impacts to the underlying soil and/or groundwater. No staining was observed on the floor and there is an interceptor sump adjacent to the AST. Elevator equipment is inspected quarterly by a licenced elevator contractor. Despite the low potential for impacts from the hydraulic oil AST, it is an on-site PCA according to Table 2, Schedule D of O. Reg.



153/04 and as such automatically results in an APEC that requires further assessment should an RSC be required in future.

Similarly, APEC E refers to the presence of oil filled transformers along the northern boundary of the phase one property as well as one each, adjacent to the 555 and 591 March Road buildings. The transformers on the northern property boundary were found to be manufactured in 2001 and 2015, with the identification plate on the 2001 transformer indicating the oil at the time of manufacture was non-PCB containing mineral oil, with less than 1 part per billion (ppb) PCBs. As indicated in Section 5.2.7, the transformers were in good condition with no staining or evidence of releases in the surrounding area. As such, OMI considers the presence of these transformers to pose a low potential risk to the environmental quality of the phase one property. However, according to Table 2, Schedule D of O. Reg. 153/04, the presence of transformers on the property requires follow-up investigation.

Since the phase one property is wholly encompassed in the risk management area of the former March Landfill, the whole phase one property is included in APEC H. Records indicate that the COPCs within the risk area are chlorinated solvents, which are the primary COPCs of most other on-site APECs on the phase one property. Additional information regarding the location, depth, compounds, and age of the COPCs was requested from the City, however, at the time of this writing no response had been provided.

6.3.2 SUMMARY, DESCRIPTION, AND RATIONALE FOR COPCS

COPCs identified in one or more APECs at the phase one property include the following:

- Petroleum Hydrocarbons (PHCs)
- Benzene, Toluene, Ethylbenzene, Xylene (BTEX)
- Volatile Organic Compounds (VOCs)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Polychlorinated biphenyl (PCBs)
- Metals

COPCs identified with respect to each APEC are summarized in Table 6-5.

Table 6-5: Rational for COPCs

APEC & COPCs	Rational for COPCs
APEC A VOC	Solvents and cleaners associated with electronic component manufacturing.
APEC B VOC	Known halogenated solvent contamination in soil and groundwater from dry cleaning chemicals.



Table 6-5: Rational for COPCs

APEC & COPCs	Rational for COPCs
APEC C VOC	Solvents and cleaners associated with electronic component manufacturing.
APEC D PHC, BTEX	COPCs associated with hydraulic oil (PHC, BTEX) stored in a fixed tank to operate an elevator.
APEC E PHC, BTEX, PCB	COPCs associated with oil filled transformers.
APEC F PHC/BTEX, VOC, Metals	PHC/BTEX – Waste generator records indicate petroleum product generation from contractor shop spaces where work vehicle operating fluids were changed. VOC – Solvents and cleaners associates with electronic component manufacturing. Solvents and thinners are also associated with ink processing. Metals – Heavy metals associated with metal fabrication.
APEC G PHC, BTEX, PAH, Metals	Petroleum and semi-volatile parameters are common COPCs given the ubiquitous use of petroleum-based products and associated releases and combustion by-products that can affect soil materials. Metals contaminants associated with anthropogenic sources can adsorb to soil particles and generally do not readily breakdown in the environment. Soil fill with one or more of these potential COPCs could more readily move from one site to another during the time period when the phase one property was re-graded, when the Ontario environmental regulatory framework was not as stringent as it is currently.
APEC H VOC	Chlorinated solvents identified as a known groundwater contaminant within the environmental risk management area of the former March Landfill

6.3.3 UNCERTAINTIES

Subsection (6) of Schedule D of O. Reg 153/04 requires consideration and documentation of how any uncertainty or absence of information obtained in each of the components of the phase one ESA could affect the validity of the conclusions, tables and phase one conceptual site model (refer to Section 6.4 for further description of the phase one conceptual site model).

Records Review

Some of the records information provided from various sources do not contain enough information to conclusively determine if the record is indicative of a PCA. Similarly, volumes of potential contaminants associated with records in the city directory/HLUI/ERIS for various land uses (e.g. manufacturers or institutions) cannot be determined.

Other common phase one ESA uncertainties are associated with lack of FIP coverage, aerial photographs with small scale coverage (i.e. small detail vs. large detail), limited or no information received from the MECP, and unplottable records in the ERIS report.



Although the phase one property was identified as an enhanced investigation property, detailed operating records associated with past property uses were not available for review and records associated with current operations were not provided by the site representatives at the time of writing.

The above noted uncertainties associated with the records review do not affect the conclusions of the phase one ESA because the conclusions take into account the above-described uncertainties while considering other evidence and factors.

Interviews

There are uncertainties associated with the potential for limited direct knowledge of the older history of the phase one property prior to the interviewee's involvement. Uncertainty associated with the interviews does not affect the conclusions of the phase one ESA because the conclusions are conservative and take into account the above described uncertainty.

6.4 PHASE ONE CONCEPTUAL SITE MODEL

As part of the requirements of Part V in Schedule D of O. Reg. 153/04, a phase one conceptual site model (CSM) was developed as part of the review and evaluation.

The phase one CSM consists of a figure and narrative descriptions that are intended to illustrate the results of the phase one ESA and to provide a basis of further work if required.

The phase one CSM is illustrated in Figure 6, Appendix A. The narrative is provided below, in accordance with the mandatory requirements of Table 1 of Schedule D.

6.4.1 AREAS OF PCAS POTENTIALLY AFFECTING THE PHASE ONE PROPERTY

Refer to Section 6.2 for a description of areas of PCAs identified on the phase one property and in the phase one study area. Refer to section 6.3 for a description of APECs on the phase one property based on the identified PCAs.

6.4.2 POTENTIAL INFLUENCE OF UNDERGROUND UTILITIES

COPCs have the potential to preferentially migrate in utility backfills at the site. The current location of some buried utilities is shown on drawings collected from GeoOttawa. The general location of these utilities is shown on Figures 4 and 6, Appendix A.



6.4.3 REGIONAL OR SITE SPECIFIC GEOLOGICAL/HYDROGEOLOGICAL INFORMATION

Based on the records review the following is known of the phase one property:

- The phase one property is generally flat lying and has a slight slope down from northwest to southeast with an elevation of 82.25 MASL in the center of the phase one property.
- Fill materials are present below paved surfaces and in the southwest central area near the corner of Hines Road.
- Native overburden material consists of silty clay till with some sand and gravel.
- Depth to bedrock varies across the phase one property but ranges from 0.15 m in the north of the to 2.72 m in the central area of the phase one property. Dipping trends in the bedrock surface indicate thicker overburden up to approximately 4.5 m in the southeast corner of the phase one property.
- Till material is described as quaternary age, stone-poor, sandy silt to silty sand textured till.
- Bedrock beneath the phase one property and the majority of the phase one study area is described Lower Ordovician age dolostone and sandstone of the Beekmantown Group.
- There are no permanent surface water bodies on the phase one property or within the phase one study area. The closest surface water bodies are Shirleys Brook approximately 513 m to the northeast. Shirleys Bay, in Lac Deschenes on the Ottawa River is located approximately 2.8 km northeast.

Shallow groundwater flow in the north portion of the phase one property varies with surface influences, generally it flows to the north and east. Deeper groundwater flow appears to be consistent with deep regional groundwater flow which is expected to be influenced by the presence of the Ottawa River to the northeast. Since the water table is within bedrock, and no permanent or substantial aquifer has been observed in overburden, groundwater flow is not likely to be affected by subsurface utilities.

6.4.4 UNCERTAINTIES ASSOCIATES WITH CSM

Uncertainties associated with the phase one ESA are identified in Section 6.3.3 and can also be considered for the phase one CSM.

Additional uncertainties to consider from the context of the CSM include:

- Location and distribution of COPCs laterally and vertically across the site.
- Varying COPCs and differing migration behaviours in soils and groundwater.



7 CONCLUSIONS

As per Part V, Section 16 of O. Reg. 153/04, OMI has reviewed, evaluated and interpreted the information obtained from the records review, the interviews and the site reconnaissance components of this phase one ESA so as to achieve the general and specific objectives of a phase one ESA.

Based on a review of the available information and the exercise of professional judgment, OMI has concluded that there is potential for the identified COPCs to have affected land and/or water under the phase one property within the identified APECs. Should future redevelopment of the phase one property to a more sensitive land use be desired, a Record of Site Condition (RSC) would be required prior to redevelopment for compliance with the O. Reg. 153/04. Based on the information obtained in completing this Phase One ESA, it is OMI's opinion that a phase two ESA would be required prior to any redevelopment of the phase one property.

This conclusion is based on APECs identified by OMI on and/or under the phase one property as follows:

APEC A: Interior and immediately surrounding area of the 555 March Road building.

- Former (1985 – 2005) use of the building as an electronic component manufacturing facility.
- COPCs associated to APEC A are VOCs.

APEC B: Interior and immediately surrounding area of the 591 March Road building; area of known contamination north of building.

- Former (1991 - 2000) dry cleaning operation where chemicals are used.
- COPCs associated to APEC B are VOCs.

APEC C: Interior and surrounding area of 603 March Road building; area of known groundwater contamination.

- Former (1997 – 2007) use of building as an electronic component manufacturing facility.
- COPCs associated to APEC C are VOCs.

APEC D: Interior and immediately surrounding area adjacent to elevator at 603 March Road.

- Storage of hydraulic oil in a fixed tank.
- COPCs associated with APEC D include PHC and BTEX.



APEC E: Northern property boundary, 591 March Road parking area, and southern corner of 555 March Road building.

- Presence of two, oil filled, pad mounted, high voltage transformers along the northern boundary. One additional transformer adjacent to the 591 March Road parking area as well as one transformer adjacent to the southern most corner of 555 March Road.
- COPCs associated with APEC E include PHC, BTEX and PCBs.

APEC F: Southern and southwestern property boundary.

- Potential bulk chemical and ink storage. Electronic component manufacturing in surrounding buildings. Metal fabrication and manufacturing operations in nearby buildings.
- COPCs associated with APEC F include PHC, BTEX, VOC, and metals.

APEC G: Northern and southeastern paved areas; West central area of the phase one property.

- Imported fill of unknown or quality.
- COPCs associated with APEC G include PHC, BTEX, PAH, and metals.

APEC H: All exterior areas of the phase one property.

- Potential chlorinated solvent contamination in groundwater from the former March Landfill which operated from 1963 to 1974.
- COPCs associated with APEC H are VOCs.

Other considerations:

Based on information gathered and the age of the buildings on the phase one property, there is potential for various special attention substances including asbestos, lead, mercury, PCBs and crystalline silica to be present in building materials. It is recommended that a hazardous materials/designated substances survey be completed prior to any major renovations or demolition of the buildings being undertaken.



8 REFERENCES

Canadian Standards Association (CSA). 2012. Z768-1(2012) Phase I Environmental Site Assessment.

Chapman, L.J. and Putnam, 1984. The Physiography of Southern Ontario, 3rd Edition, Ontario Ministry of Natural Resources, Toronto, Ontario.

Concentric Geoscience Inc. (CGI), 2022. Phase I Environmental Site Assessment Update and Phase II Environmental Site Assessment, 603 March Road, Ottawa, Ontario

Geologic Survey of Canada, 2009. Surficial Geology, Lower Ottawa Valley, Map 2140A, Natural Resources Canada, Ottawa-Hull, Ontario-Quebec.

Geologic Survey of Canada, 1979. Generalized Bedrock for Ottawa-Hull, Map 1508A, Surveys and Mapping Branch, Ottawa-Hull, Ontario- Quebec.

Golder Associates (Golder), 2001. Phase I Environmental Site Assessment and Limited Asbestos Sampling Program, 603 March Road, Kanata, Ontario.

MECP, 2021. Water Well Information System (WWIS), online Well Records Database.

Natural Resources Canada, Topographic Map 31G5, Edition 11, Ottawa, Ontario-Quebec, 1998.

Oliver, Mangione, McCalla & Associates (OMM), 2000. Phase I Environmental Site Assessment, 603 March Road, Kanata, Ontario.

Ontario Geological Survey 2000. Quaternary geology, seamless coverage of the Province of Ontario; Ontario Geological Survey, Data Set 14-Revised.

Ontario Ministry of Environment Conservation and Parks (MECP). 2011. Ontario Regulation 153/04, Record of Site Condition Under Part XV.1 of the Environmental Protection Act. Amended MOE. April 2011.

Paterson Group (Paterson), 2016. Phase II Environmental Site Assessment, 555, 591, 595 March Road, Ottawa, Ontario.



9 LIMITATIONS

This report was prepared exclusively for the purposes, project and site locations outlined in the report. The report is based on information provided to, or obtained by Omni-McCann Inc. (OMI), as indicated in the report, and applies solely to site conditions existing at the time of the site investigation. Although a reasonable investigation was conducted by OMI, OMI's investigation was by no means exhaustive and cannot be construed as a certification of absence of any contaminants from the site. Rather, OMI's report represents a reasonable review of available information within an established work scope, schedule and budget. It is therefore possible that currently unrecognized contamination or potentially hazardous materials may exist at the site, and the levels of contamination or hazardous materials may vary across the site. Further review and updating of the report may be required as local and site conditions, and the regulatory and planning frameworks, change over time.

This report was prepared by OMI for the sole benefit of March and Main Developments Inc. The material in it reflects OMI's judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. OMI accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Respectfully Submitted,
Omni-McCann Inc.

Daniel Elliot, B.Sc.



August 30, 2022

Kristina Small, M.Sc., P.Geo.



APPENDIX A

Figures

C:\Users\MonaGenovey\Omni-McCann Geoscience\Omni-McCann - CGI\Projects\2021\2200626 - Main&Main March Road Remediation and Development\Drawings-Phase One ESA\2200626-MAIN & MARCH-PHASE I ESA-FIG 1.dwg
2022/08/19 2:54:08 PM Mona Genovey



MAIN AND MARCH DEVELOPMENTS INC
& 591 & 595 MARCH DEVELOPMENTS INC.
PROJECT NO. 2200626
555, 591, 595 AND 603 MARCH ROAD, KANATA, ONT.
**PHASE ONE ENVIRONMENTAL
SITE ASSESSMENT**

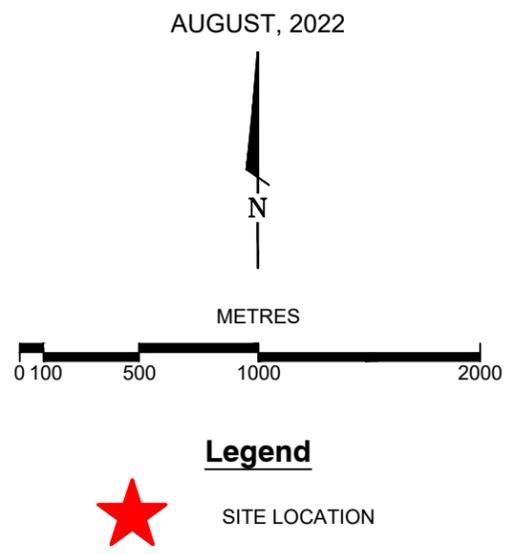


FIGURE 1
SITE LOCATION

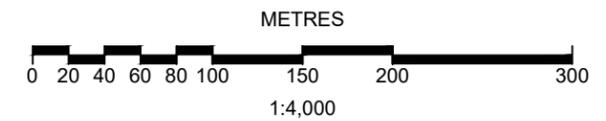


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& 591 & 595 MARCH DEVELOPMENTS INC.
PROJECT NO. 2200626
555, 591, 595 AND 603 MARCH ROAD, KANATA, ONT.
**PHASE ONE ENVIRONMENTAL
SITE ASSESSMENT**

AUGUST, 2022



Legend

-  PHASE ONE SITE BOUNDARY
-  PHASE ONE STUDY AREA (250m)
-  TOPOGRAPHIC CONTOURS

FIGURE 2
TOPOGRAPHIC PLAN

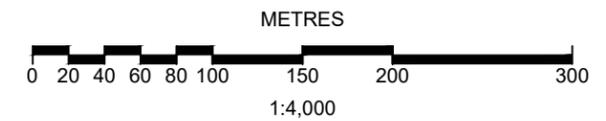


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2022/08/19 2:57:45 PM Mona Genovey



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& 591 & 595 MARCH DEVELOPMENTS INC.
PROJECT NO. 2200626
555, 591, 595 AND 603 MARCH ROAD, KANATA, ONT.
**PHASE ONE ENVIRONMENTAL
SITE ASSESSMENT**

AUGUST, 2022



Legend

-  PHASE ONE SITE BOUNDARY
-  PHASE ONE STUDY AREA (250m)

FIGURE 3
AREAS OF NATURAL AND
SCIENTIFIC IMPORTANCE (ANSI)



PHASE ONE ENVIRONMENTAL
 SITE ASSESSMENT

AUGUST, 2022



Legend

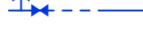
-  PHASE ONE SITE BOUNDARY
-  TOPOGRAPHIC CONTOURS
-  UNDERGROUND WATER LINE
HYDRANT AND VALVE
-  UNDERGROUND SANITARY
SEWER AND MH
-  UNDERGROUND STORM SEWER
AND MH AND CB

FIGURE 4
 PROPERTY FEATURES



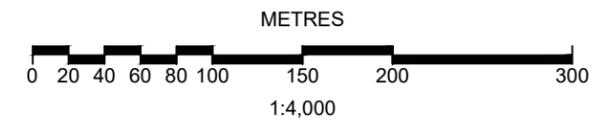
C:\Users\MonaGenovey\Omni-McCann Geoscience\Omni-McCann - CGI\Projects\2022\2200626 - Main&Main March Road Remediation and Development\Drawings-Phase One ESA\2200626-MAIN & MARCH-PHASE I ESA-FIG 4.dwg
 2022/08/19 2:59:04 PM Mona Genovey

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2022/08/19 3:36:50 PM Mona Genovey



MAIN AND MARCH DEVELOPMENTS INC
& 591 & 595 MARCH DEVELOPMENTS INC.
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555, 591, 595 AND 603 MARCH ROAD, KANATA, ONT.
**PHASE ONE ENVIRONMENTAL
SITE ASSESSMENT**

AUGUST, 2022



Legend

-  PHASE ONE SITE BOUNDARY
-  PHASE ONE STUDY AREA (250m)
-  PCA ON PHASE ONE PROPERTY
-  PCA IN PHASE ONE STUDY AREA
-  INFERRED DIRECTION OF REGIONAL (DEEP) GROUNDWATER FLOW
-  INFERRED DIRECTION OF SURFACE RUNOFF

FIGURE 5
PCA LOCATIONS



MAIN AND MARCH DEVELOPMENTS INC
 & 591 & 595 MARCH DEVELOPMENTS INC.
 PROJECT NO. 2200626

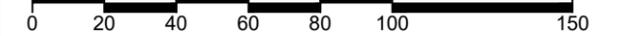
555, 591, 595 AND 603 MARCH ROAD, KANATA, ONT.

PHASE ONE ENVIRONMENTAL
 SITE ASSESSMENT

AUGUST, 2022



METRES



1:2,000

Legend

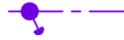
-  PHASE ONE SITE BOUNDARY
-  TOPOGRAPHIC CONTOURS
-  UNDERGROUND WATER LINE HYDRANT AND VALVE
-  UNDERGROUND SANITARY SEWER AND MH
-  UNDERGROUND STORM SEWER AND MH AND CB
-  APEC A-FORMER ELECTRONICS MANUFACTURING
-  APEC B-FORMER DRY CLEANER
-  APEC C-FORMER ELECTRONICS MANUFACTURING
-  APEC D-STORAGE HYDRAULIC OIL
-  APEC E-TRANSFORMER USE
-  APEC F-OFF-SITE PCAs
-  APEC G-FILL OF UNKNOWN QUALITY
-  APEC H-FORMER MARCH LANDFILL RISK MANAGEMENT AREA
-  INFERRED DIRECTION OF REGIONAL (DEEP) GROUNDWATER FLOW
-  INFERRED DIRECTION OF SURFACE RUNOFF

FIGURE 6
 CONCEPTUAL SITE MODEL



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 2022/08/22 1:49:25 PM Mona Genovey

IMAGERY SOURCE AND DATE: GOOGLE EARTH 6/9/2018





APPENDIX B

Site Photographs



Photo 1: Northern corner of the phase one property looking southwest along property line. Northern most oil filled transformer in foreground on the left side of the photo.



Photo 2: Northern corner of the phase one property looking southeast along property line. Communication pedestals lined up along the side of March Road.



Photo 3: Northeastern corner of 591 March Rd., looking southwest.



Photo 4: Southeastern corner looking northeast along property line.



Photo 5: Southeastern corner, looking southwest along property line.

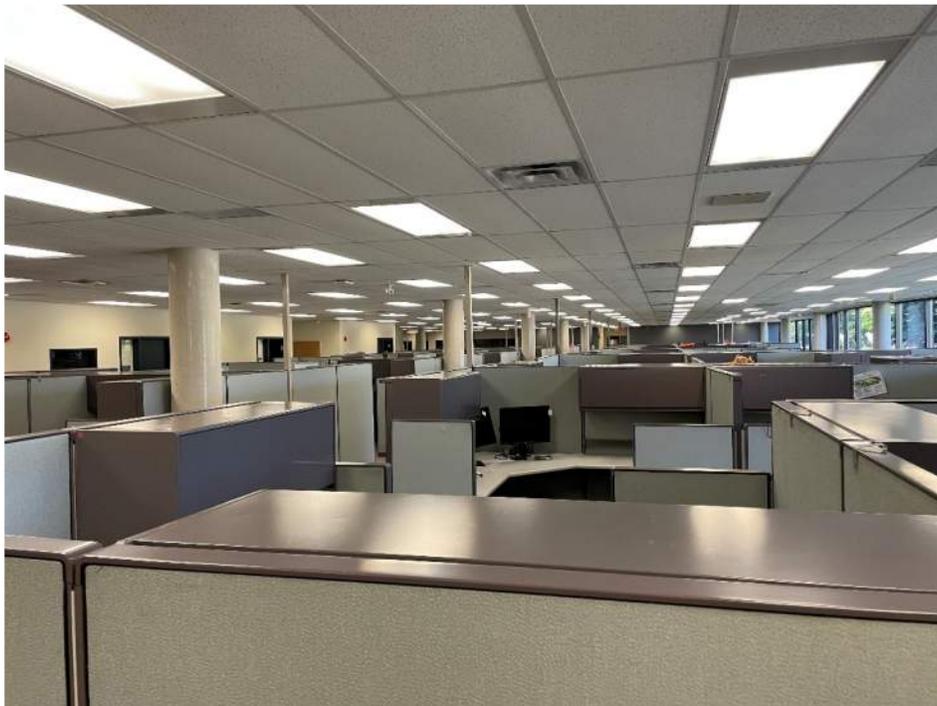


Photo 6: Typical interior finishes and occupancy of 603 March Road.



Photo 7: Hydraulic oil storage tank and pump for elevator system in 603 March Road.

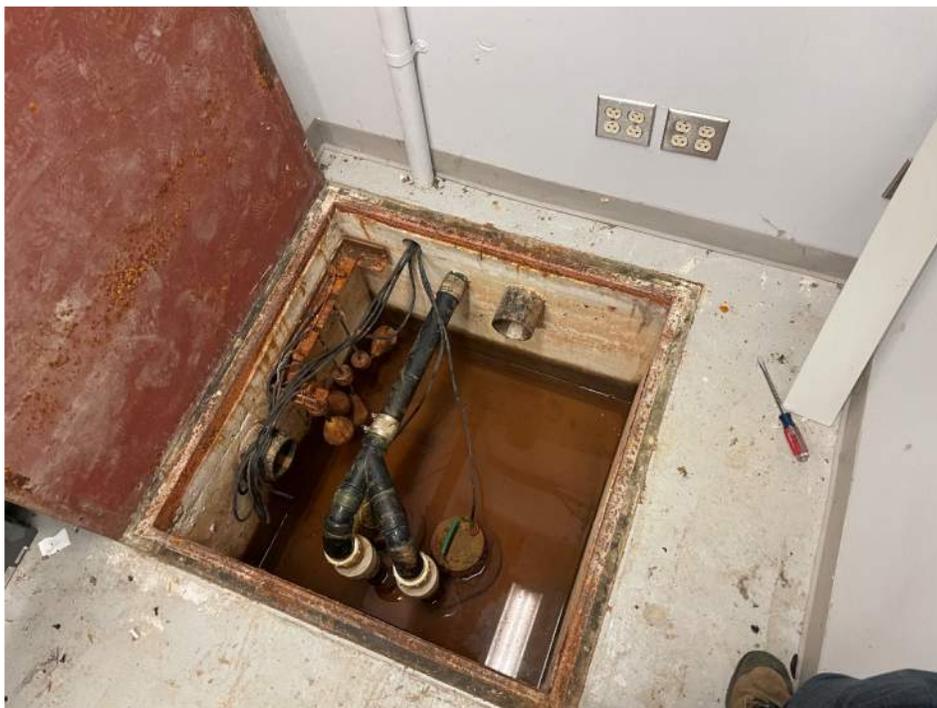


Photo 8: Sump pit in storage room in 603 March Road.



Photo 9: Interior finishes in one unit of 591 March Road.



Photo 10: Interior finishes of vacant unit in 591 March Road.



Photo 11: Kitchen of restaurant tenant of 591 March Road.

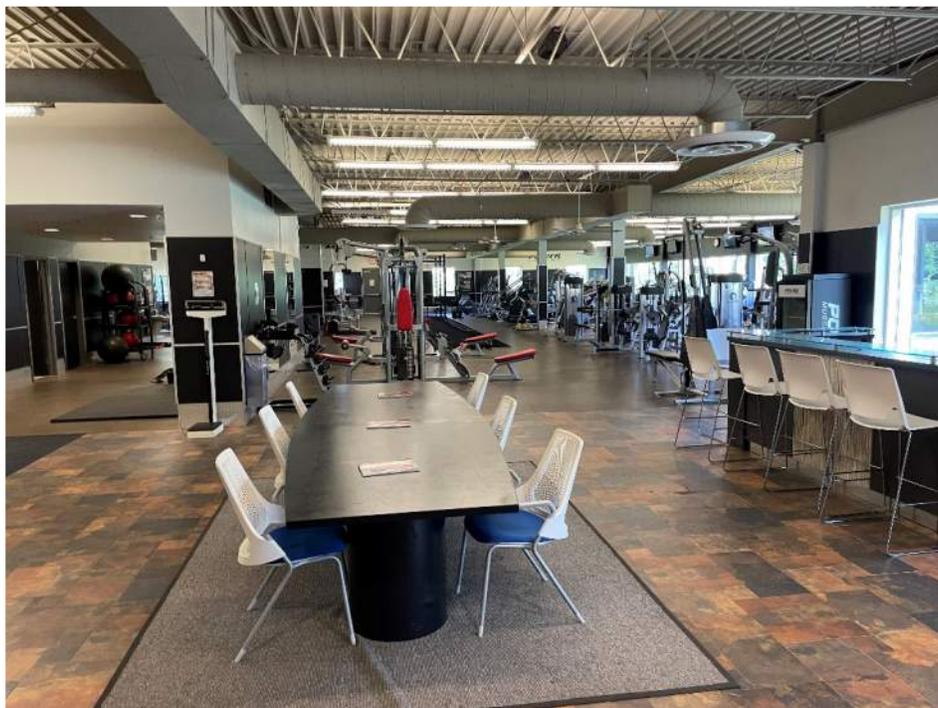


Photo 12: Interior of fitness centre main room.



Photo 13: Cleaning chemicals stored within utility room of 555 March Road.



Photo 14: 2001 manufactured pad mounted, oil filled transformer along northern property boundary.



Photo 15: Transformer supplying power to the 591 March Road commercial plaza. Unknown filling



Photo 16: Transformer supplying power to the 555 March Road building. Unknown filling.



Photo 17: Broken rock fill observed on the phase one property at the corner of Hines Road.

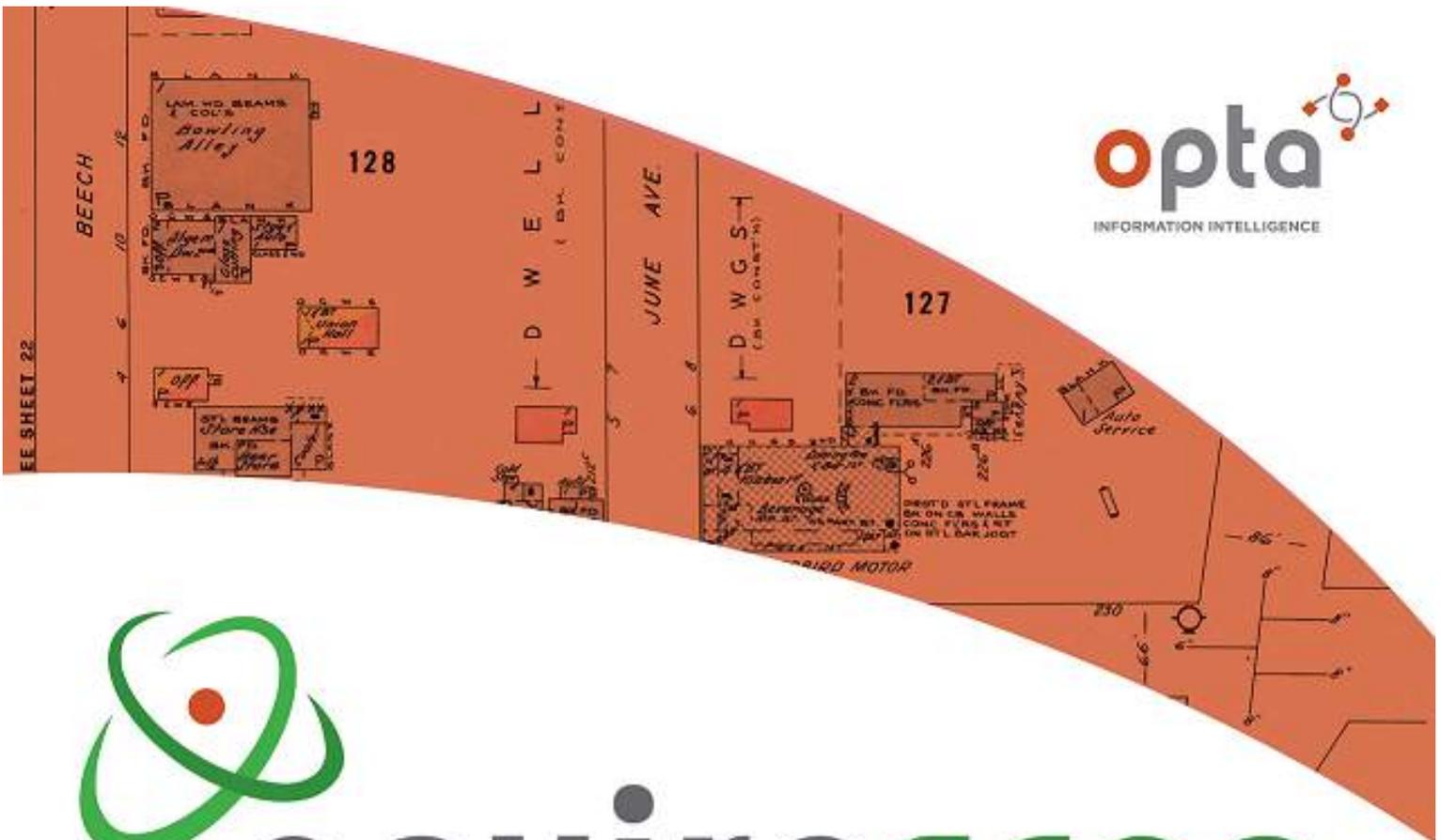


Photo 18: Monitoring well north of 591 March Road from previous environmental investigations.



APPENDIX C

Fire Insurance Products



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:
Stephanie

Site Address:

555 591 595 603 March Road Kanata ON

Project No:

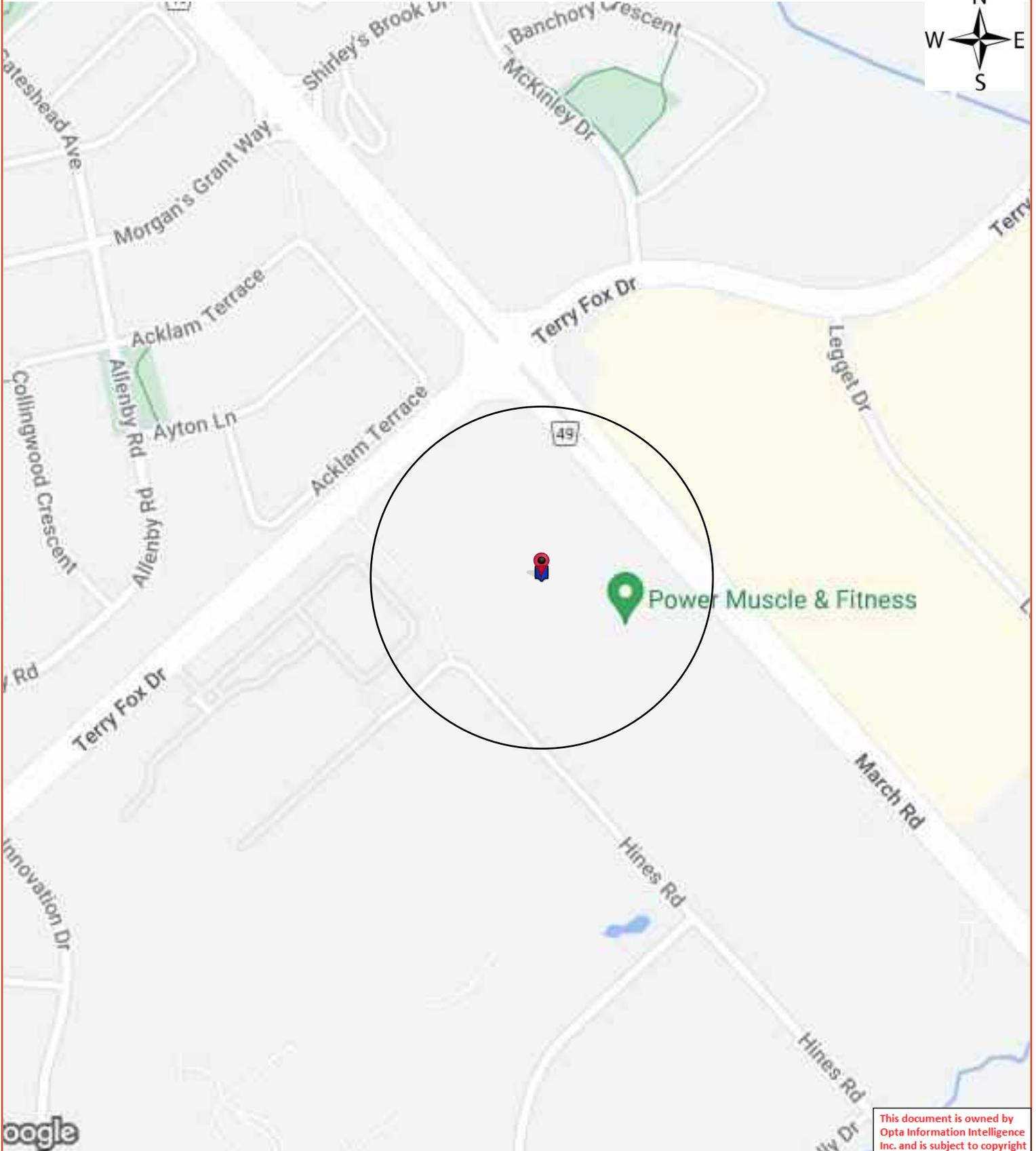
22051300303

Opta Order ID:

109462

Requested by:
**Eleanor Goolab
ERIS**

Date Completed:
6/15/2022 11:21:55 AM



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Opta Historical Environmental Services Enviroscan TM 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.



175 Commerce Valley Drive W
Markham, Ontario
L3T 7Z3

T: 905.882.6300
Toll Free: 905.882.6300
F: 905.882.6300

An SCM Company
www.optaintel.ca

Page	Report Title
5	(2002) Inspection Report - 2002 555 March Road Kanata ON K2K2M5 (distance = 0 metres*)
15	(1999) Multirisk Report - 1999 555 March Road Kanata ON K2K2M5 (distance = 0 metres*)
24	(1995) Multirisk Report - 1995 555 March Road Kanata ON K2K2M5 (distance = 0 metres*)
34	(1999) Multirisk Report - 1999 591 March Road Kanata ON K2K2M5 (distance = 0 metres*)
43	(2003) Inspection Report - 2003 591 March Road Kanata ON K2K2M5 (distance = 0 metres*)
53	(1995) EATING AND LICENSED ESTABLISHMENTS Report - 1995 591 March Road Kanata ON K2K2M5 (distance = 0 metres*)
63	(2000) COMMERCIAL PROPERTY SURVEY Report - 2000 591 March Road Kanata ON K2K2M5 (distance = 0 metres*)



Inspection Report - 2002 555 March Road Kanata ON K2K2M5





Confidential

IAO All Risk
(Now available through the IAO Web-site; www.iao.ca)
INSPECTION REPORT

Supplement/s attached: Yes No

1.0 BASIC INFORMATION			
Insured:		Policy Number	
Date of survey (YYYY/MM/DD):	2002/11/26	IAO Loss Control Specialist:	Jean Yves Toupin
Person Contacted:	Donna Clark	Telephone No.	(613) 596-8000
Position			
Mailing Address if Different for risk:			IAO AIS No.: 70339602
	(unit # street # & name)	(City, Town, Village)	
Location Surveyed:	555 March Road	Kanata	Ontario (Province)
	(unit # street # & name)	(City, Town, Village)	K2K 2M5 (postal code)
Secondary address (If any)			(Province)
	(unit # street # & name)	(City, Town, Village)	(postal code)
IBC Territory Code	64	IBC Building Code: 3891	SR/MA File No.
Underwriter:		Broker:	

The **IAO Risk•Score** and comments contained in this report are based on conditions and practices observed during our survey and other pertinent data supplied by management personnel at the risk.

Recommendations in this report are made to point out those areas where remedial action could have the beneficial effect of making the above premises safer, and thus more desirable from an underwriting standpoint.

Thank you for choosing IAO to perform this inspection. Please do not hesitate to contact us if we can be of any further assistance.

2.0 IAO Risk•Score

Comments

	1	2	3	4	5	6	7	8	9	
Property	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>No special fire hazards noted.</i>						
Liability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>No liability hazards noted.</i>						
Crime	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>No special crime hazards noted.</i>						
	<i>(1=Excellent & 9=Poor)</i>									

RISK ALERT ISSUED : Yes No If yes, describe (A risk alert is a telephone notification to the Inspection requestor, of a situation which could imminently cause a serious loss. A Critical Recommendation will be issued to address the situation.)

Committed to Service Excellence

IAO reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO does not purport to list all hazards. While changes and modifications referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO assumes no responsibility for management and control of these activities. IAO will not be responsible to the Purchaser for any losses or damages, whether consequential or other, however caused, incurred or suffered, as a result of the services being provided.

Meaning of the IAO Risk-Score: The IAO Score is a grading of the risk inspected versus other risks in this class. Similar to the "Commercial" Fire Protection Grading system in design, there is range of 9 categories, with a grading or "score" of 1 being the most desirable. The IAO Score is based on a number of objective criteria pertaining to the risk at the time of our survey, tempered with the experienced judgement of our Loss Control Specialist. As a general guideline, the scores mean the following criteria:

1-3	Risks in this range are well maintained, with no apparent moral hazards or management problems. Undesirable features are non-existent and recommendations, if any, are minor. Risks in this category are excellent (no deficiencies) to better than average for their class.
4-6	The maintenance of Risks in this range is considered average. Moral hazards are not apparent, but there may be possible management problems (e.g. poor housekeeping). Undesirable features noted are correctable, and recommendations will vary from desirable to important. Risks in this category are considered average for their class.
7-9	Risks in this range tend to be poorly maintained. Moral hazards and management problems (e.g. poor housekeeping and maintenance, poor attitude) are evident. Significant undesirable conditions are present and cannot or will not be corrected. Critical Recommendations may be present. Risks in this category are significantly below average for their class with little or no indication for improvement.

3.0 REMARKS

The risk is located on a busy road in Kanata in a high tech sector in the new city of Ottawa. The risk is occupied by multiple tenants who are all involved in the high tech industry. The building was found to be very well protected and maintained. Each tenant has a security system plus the building has one as well for all common areas. The risk is also equipped with fire pull stations and air exchangers for the manufacturing areas.

No liability hazards noted at the time of this survey.

No special crime hazards noted at the time of this survey.

4.0 RECOMMENDATIONS

Please note that these recommendations are classified as either **Critical**, **Important**, or **Desirable Improvement**. "**Critical**" recommendations are those aimed at correcting undesirable feature/s which, if left unattended, could cause a serious loss and should be rectified immediately. This class of recommendation is only used in extreme situations. "**Important**" recommendations are intended to highlight undesirable feature/s which if left unattended, could cause a serious loss and should be rectified as soon as possible. "**Desirable Improvement**" recommendations are those aimed at correcting an undesirable feature which can be improved when feasible, to help reduce the risk of a loss.

<input type="checkbox"/> Listed below	or	<input checked="" type="checkbox"/> None
---------------------------------------	----	--

<input type="checkbox"/> Critical	<input type="checkbox"/> Important	<input type="checkbox"/> Desirable Improvement

<input type="checkbox"/> Critical	<input type="checkbox"/> Important	<input type="checkbox"/> Desirable Improvement

<input type="checkbox"/> Critical	<input type="checkbox"/> Important	<input type="checkbox"/> Desirable Improvement

5.0 OCCUPANCY INFORMATION (IBC Occupancy Code 3491)

The Insured is

<input type="checkbox"/> Owner Occupant	<input checked="" type="checkbox"/> Non-occupant building owner	<input type="checkbox"/> Tenant
Name of building owner(if not Insured):		Number of years bldg. Owned: 12 (est.)
Number of years at this location: 12	Area occupied (sq. m): 1654.4	Business hours: N/A
Days per week: 5 days	Annual Revenue (optional):	Payroll (optional):
Previous loss history past 3 years <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined		Previous loss history past 6 years <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined
Explain loss history:		
Insured Values: Property: \$1,883,000		Contents: \$
Combustibility of Occupancy: L2		Susceptibility of Occupancy: S4-Heavy Damage

Occupancy : <input checked="" type="checkbox"/> Major Tenant OR <input type="checkbox"/> Insured IBC Industry Code: 3495		or <input type="checkbox"/> refer to Occupancy Specific Supplement:
Occupancy Description: Rohde & Schwarz - Monitoring device manufacturing occupy 1059 sq. m.		
Special Hazard Code(s):	Description:	
Special Hazard Code(s):	Description:	
Other classes of occupants: (immediate exposures)		
Name: ASAP CD Solutions	Area occupied: 167.2 sq. m	IBC Code 7407
Occupancy Description: Data transferring facility.		
Special Hazard Code(s) :	Description:	
Special Hazard Code(s) :	Description:	
Name:	Area occupied:	IBC Code
Occupancy Description:		
Special Hazard Code(s)	Description:	
Special Hazard Code(s)	Description:	
Areas not surveyed: 428.1 sq.m	<input type="checkbox"/> For additional tenants see attached list	

6.0 BUILDING CONSTRUCTION (IBC Major Construction Class 2)

Building condition:	<input checked="" type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Moderate deficiencies	<input type="checkbox"/> Major deficiencies	
Year built: (yyyy)	1988 (est.)	Area occupied by insured (sq. m): 1654.4		Combustibility of Building L2	
Ground floor area (sq. m):	1654.4 sq. m	Total floor area (excl. bsmt.)		1654.4 sq. m	
Height (excluding basement):	4.9 m	Number of Stories: 1 (above grade)			
Basement:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Area of basement: (sq. m)	Total area: 1654.4 sq. m		
Additions (year & brief description):	None				
Renovations (year & brief description):	None				
Wall construction:	Reinforced Concrete % ()	Masonry: %: ()	Non Combustible: 100 %: (Steel on Steel)	Brick/stone veneer: %: ()	Wood frame: %: ()
	Other:		Panels in Walls	% Describe:	
Floor Construction:	Concrete: 100 %	Concrete on metal pan: %	Wood joist: %	Other: %	

Roof Type:	<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Sloped	<input type="checkbox"/> Peaked	<input type="checkbox"/> Other
Roof Construction:	<input type="checkbox"/> Concrete %	<input checked="" type="checkbox"/> Steel deck % 100	<input type="checkbox"/> Wood joist %	<input type="checkbox"/> Other: %
Roof Surface:	<input checked="" type="checkbox"/> Tar & gravel	<input type="checkbox"/> Metal	<input type="checkbox"/> Asphalt shingles	<input type="checkbox"/> Rubber Membrane
	<input type="checkbox"/> Wood Shakes	<input type="checkbox"/> Other		
Resurfaced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Date:	
Interior Finish Walls:	Combustible: %	Non-combustible: 100 %	Open: %	
Interior Finish Ceilings:	Combustible: %	Non-combustible: 100 %	Open: %	
Vertical Openings:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Stairs	<input type="checkbox"/> Elevator	<input type="checkbox"/> Deck: <input type="checkbox"/> Other
Horizontal Separation:	Major Partition Construction		<input checked="" type="checkbox"/> Not Applicable	<input type="checkbox"/> Frame <input type="checkbox"/> Drywall on Studs
			<input type="checkbox"/> Concrete Block	<input type="checkbox"/> Other
Proper Opening Protection:		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
Mezzanines: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Combustible: %	Non-combustible: %	Open: %	
Mezzanines percentage of floor	%			
Combustible Concealed Spaces:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	If yes, describe and %	
Concealed space properly protected	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> Not applicable	Comment:
Building Description:				
Shopping Mall <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Industrial Mall <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Strip Mall: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Other Describe : Stand alone building.				

7.0 EXPOSURES (Within 50m of risk)

	Distance	Height	Construction	Occupancy Hazard	Civic Number (optional)	Opening in Facing Wall	
						Yes	No
Front	_____ m	_____ sto.	Open	None		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rear	_____ m	_____ sto.	Open	None		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Left	_____ m	_____ sto.	Open	None		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Right	40 m	1 sto.	Masonry	Light		<input checked="" type="checkbox"/>	<input type="checkbox"/>

(For Malls) Describe partition walls between insured and other tenants.

8.0 COMMON HAZARDS (Heating, electrical, plumbing)

HEATING:

Forced warm air:	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____
Suspended unit heaters:	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____
Portable heaters:	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____
Electric baseboard units:	<input checked="" type="checkbox"/> 100 %			
Hot water/steam	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____
Other	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____
Boiler:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Age (yyyy) _____ and Make: _____	Date of last Boiler Inspection: (yyyymmdd) _____
Appliances enclosed in a non-combustible room:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not required:	
Combustible materials stored in the room:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not applicable	
Fuel tanks:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Inside	<input type="checkbox"/> Outside	Age (yyyy) _____ Capacity (L)
Fill and vent piping: Inside	<input type="checkbox"/> Yes	<input type="checkbox"/> No	_____ <input checked="" type="checkbox"/> N/A	
Chimneys:	<input type="checkbox"/> Masonry	<input type="checkbox"/> ULC Factory built	<input type="checkbox"/> Unlabelled pre-fab	<input checked="" type="checkbox"/> Other <u>None</u>

<input type="checkbox"/> Standard	<input type="checkbox"/> Non-standard _____
Installation defects:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Moderate <input type="checkbox"/> Major
Installation replaced:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (yyyy) _____ %
Comment: _____	

ELECTRICAL:

Type:	<input type="checkbox"/> Conduit	<input checked="" type="checkbox"/> BX	<input type="checkbox"/> Non-metallic	<input type="checkbox"/> Knob & Tube _____	<input type="checkbox"/> Other _____		
Temporary wiring or extension cords:	<input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes _____				
Overcurrent protection:	<input checked="" type="checkbox"/> Circuit Breakers		Fuses:	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Type P	<input type="checkbox"/> Type D	<input type="checkbox"/> Other
Installation defects:	<input checked="" type="checkbox"/> None		<input type="checkbox"/> Moderate	<input type="checkbox"/> Major			
Installation (wiring) replaced:	<input type="checkbox"/> Yes		<input type="checkbox"/> No	(yyyy) _____ %			
Partial changes/extensions:	<input checked="" type="checkbox"/> Yes <i>Additional panel installed.</i>		<input type="checkbox"/> No				
Comments: _____							

PLUMBING:

Type:	<input checked="" type="checkbox"/> Copper	<input type="checkbox"/> Galvanized	<input checked="" type="checkbox"/> Plastic	<input type="checkbox"/> Other _____
Installation Replaced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	(yyyy) _____ %	
Condition:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor _____	
Installation appears safe:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No _____		

SMOKING:

Smoking Restricted:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
"No Smoking" Signs posted:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Enforced:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

HOUSEKEEPING:

<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> Unacceptable
Comments: _____			

9.0 FIRE PROTECTION

PUBLIC:

F.U.S. Protection Class: 04 Responding Fire Department: Kanata IICC Protection Grade 8

Full time Part Time/Volunteer Composite

Distance to Fire Department: 3 km Roads: Paved Unpaved Accessible Year-round: Yes No

Public Water Supply Private Water Supply

No. Hydrants: 2 within 155 m, _____ within 156 - 305 m, _____ Over 305 m, None

PRIVATE:

Are the following adequate?

	Yes	No	Date Last Serviced	Comments
Portable Extinguishers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>2001</u>	_____
Standpipe/Inside Hoses	<input type="checkbox"/>	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	_____
Watchman Service	<input type="checkbox"/>	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	_____
Fire Detection System:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Full	<input type="checkbox"/> Partial, Describe: _____	_____
i) Type of Detectors:	Smoke & CO2			
ii) Detectors properly located:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Describe: _____	_____
iii) Components listed by:	<input checked="" type="checkbox"/> ULC	<input type="checkbox"/> UL	<input type="checkbox"/> Other _____	
iv) Maintenance contract:	<input type="checkbox"/>	<input type="checkbox"/>	Company: _____	Telephone #: _____
v) Connected to:	<input checked="" type="checkbox"/> ULC Listed Station	<input type="checkbox"/> Unlisted Service	<input type="checkbox"/> Fire/Police Department	<input type="checkbox"/> Local only

Automatic Sprinkler Protection: Other: _____
 None Full Premises Partial (describe): _____
 Sprinkler Supplement Attached Yes No

10.0 ALL RISK :

Information Confirmed by: Tenant

EARTHQUAKE

What is the earthquake zone:	<u>2</u>		
Is there any earthquake history in the area:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Undetermined
If Yes, describe history _____			
Any evidence of the following:			
Significant exterior wall or foundation cracks noted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Sagging?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____

FLOOD

Is this establishment located on a flood plain:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is it located near a body of water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Distance to nearest body of water:	_____	<input checked="" type="checkbox"/> None determined	
Is there a history of flooding:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes, give history: _____
Evidence of water damage:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Years knowledge of risk: 12 yrs.			

WATER DAMAGE

Plumbing is: Copper Galvanized Plastic Other Describe: _____

Is there evidence of corrosion: Yes No Describe: _____

Is the building sprinklered: Yes No Comment: _____

Is stock susceptible to water damage: Yes No Describe: Computer components.

Are all window/skylight openings adequately sealed: Yes No Describe: _____

Does water main pass under building: Yes No

Is the roof covering adequate: Yes No Most recent roof repair date, if applicable _____

Inside and/or roof storage tanks/process equipment Yes No Describe: _____

Tanks/equipment satisfactorily controlled: Yes No Describe: _____

Is there use of: skids Shelving Floor Drains Covers over stock/equipment Describe: _____

Sewer Backup claim in the last three years: Yes No Describe: _____

COLLAPSE AND/OR SEWER BACKUP

Is there any history of collapse:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Is there any history of sewer back-up:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Are sewer back-up protection devices in place:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____

ADDITIONAL PERILS

Is lightning protection in place:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____		
Is risk located within 5 km of airport:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Beneath a flight path:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the yard fenced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Are gates locked when the premises are closed:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the yard and the exterior of the building lit:	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No		
Is the risk located in a high wind/hail area:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____		
Are there visible signs of vandalism at the risk:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____:		
	In the area:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____	
Is the risk protected from	Automobile	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Describe: <u>Concrete curbs.</u>	
Impact exposure:	Aircraft	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____	
	Train	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____	
	Boat	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____	
Comments: _____					

11.0 BASIC PREMISES LIABILITY

The following appeared to be satisfactory:

Stairs, Ramps & Handrails:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Floor Surfaces & Coverings:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Walls & Ceilings:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Interior & Exterior Lighting:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Emergency Lighting	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Interior & Exterior Housekeeping:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Washrooms:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Sidewalks, Yards & Parking Lots:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Fire Exits:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Fire Alarm System (s):	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Snow & Ice Removal:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Elevating devices in operation	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Comments: _____
TV Satellite Dishes /Exterior Signs	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
CO detectors where required	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Swimming Pool	Yes <input type="checkbox"/>	No <input type="checkbox"/>		Supplement attached
Other	Yes <input type="checkbox"/>	No <input type="checkbox"/>		Comments: _____

12.0 BASIC CRIME

Refer to Expanded Crime Supplement

Crime Experience	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Moderate	<input type="checkbox"/> High		
Type of Neighbourhood:	<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Industrial	<input type="checkbox"/> Rural	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Isolated
Neighbourhood appears to be:	<input checked="" type="checkbox"/> Stable Changing via:		<input checked="" type="checkbox"/> Expansion/growth	<input type="checkbox"/> Renovation	<input type="checkbox"/> Deterioration
Visible malicious damage:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			

BUSINESS

Automatic Teller Machine :	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Safe on Premises:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unable to Determine	
Guard Service:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unable to Determine	Describe:
Typical Stock:	Computer components.			
Smash & Grab exposure:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unable to Determine	
Comments:				

GENERAL PROTECTION

The following appeared to be satisfactory:

Exterior Lighting:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Interior Lighting:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Roof Accessibility:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Police Patrols:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Yard Fenced:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Describe:

SECURITY ALARM SYSTEM

Premises alarm system in use:	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Disconnected	Date Installed: (yyyy) <u>1990</u>
Monitored by:	<input checked="" type="checkbox"/> ULC Listed Station	<input type="checkbox"/> Unlisted Station	<input type="checkbox"/> Local Alarm	<input type="checkbox"/> Unknown to Contact	<input type="checkbox"/> Unable to Determine

PHYSICAL PROTECTION

Door locks:	<input checked="" type="checkbox"/> Deadbolt	<input type="checkbox"/> Spring	<input checked="" type="checkbox"/> Panic	<input type="checkbox"/> Other	
Windows Protected:	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	If yes, describe <u>Bars partly.</u>	
Other Openings:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Protected:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes

OTHER COMMENTS:

None

Multirisk Report - 1999 555 March Road Kanata ON K2K2M5



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Ontario Branch
Confidential Report

MULTIRISK SURVEY

Insured: RUSINT PROPERTY INC

Location Surveyed: 555 MARCH RD
KANATA, ONTARIO
K2K 2M5

Person Contacted: Donna Woodroffe
Telephone Number: (613) 592-8000

Policy Number: 81080492
AIS Reference: 70339602

Surveyed by: B. Young
Date of Survey: 1999.03.31

Committed to Service Excellence

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M U L T I R I S K - F I R E, L I A B I L I T Y A N D
B A S I C C R I M E

OCCUPANCY:

The insured is a non-occupant building owner at this location. The premises are in good condition. It could not be determined whether the insured is interested in loss prevention, and loss information was not available at the time of the survey.

* Occupancy Description (Insured / major tenant if insured is non-occupant)

The major occupant is Rohde & Schwarz Inc occupying approximately 428sq.m as an office and warehouse for telecommunication equipment sales and service. Minor repairs are conducted on premises and on occasion will involve some soldering.

* Other Classes of Occupants

Office and warehouse for computer consulting company; part vacant

* Undersirable Features

None

It is recommended that this location be resurveyed in 1 year(s).

BUILDING:

- * Built - 1988 Height: Storey(s) (excluding basement) - 1
- * There are no additions.
- * There are no renovations.
- * Building condition - Good

- * Area: Ground Floor - 1673 sq. m Total (including basement) - 1673 sq. m

BASIC CONSTRUCTION:

- * Walls - 100% Non-combustible - Steel on steel
- * Floors - (excluding basement) 100% Concrete
- * Roof - 100% - Steel Deck Class II
 - Surface material(s) - Tar and gravel
 - Original roof.

INTERIOR FINISH:

- * Walls - 98% non-combustible
- 2% open
- * Ceilings - 98% non-combustible
- 2% open

BASEMENTS: None

VERTICAL OPENINGS: None

MEZZANINE: None

OUTBUILDINGS: None

HEATING:

- * Electric Baseboard Units - 98% - Electric
- Original installation.
- Installation appears safe
- * Suspended Unit Heaters - 2% - Electric
- Original installation.
- Installation appears safe

ELECTRICAL:

- * Condition - Good and appeared safe at the time of the survey.
- * Wiring - Conduit, BX
- * Overcurrent protection - Circuit Breakers.
- * Electrical system - Original installation.

PLUMBING:

- * Condition - Good at the time of the survey.
- * Piping is Copper
- * Plumbing - Original installation.

EXPOSURES: (within 15m of the risk):

- * FRONT: OPEN
- * REAR: OPEN
- * LEFT: OPEN
- * RIGHT: OPEN

MUNICIPAL PROTECTION:

- * The FUS Public Fire Protection Classification is 4
- * Responding (career) fire department Kanata
- * Distance from risk Less than 2.5 km
- * Access via Paved roads. Year-round.

- * The building itself is easily accesible to the fire department.
- * Two hydrants within 155m (standard)

PRIVATE PROTECTION at this location includes the following:

- * Standard extinguishers; Automatic sprinkler (The sprinkler system was neither tested nor evaluated during this survey, a sprinkler survey is available upon request)
- * Fire detection/alarm system - Supervised Partial Heat & Smoke

M U L T I R I S K - L I A B I L I T Y

OCCUPANCY - GENERAL INFORMATION

- * Neighbourhood is predominantly commercial
- * Insured - non-occupant building owner Area occupied - 1673 sq. m
- * 25% accessible to public. Public access is considered light
- * Gross revenue - could not be determined at the time of the survey

PREMISES information at the time of this survey

- * The following appeared to be SATISFACTORY:

Floor surfaces & coverings; Wall & ceilings; Interior Lighting; Exterior Lighting; Emergency Lighting; Interior Housekeeping; Exterior Housekeeping; Washrooms; Sidewalks, Yards & Parking Lots; Snow & ice removal; Signs & Awnings; Fire exits; Fire alarms

- * Elevating devices in operation - none

M U L T I R I S K - B A S I C C R I M E

NEIGHBOURHOOD:

- * Predominantly commercial
- * Stable
- * Best described as having a moderate crime rate

BUSINESS:

- * Description - Non-occupant Building Owner
 - * Hours of Operation - N/A
 - * Typical Stock - N/A
 - * Smash and Grab exposure is low
 - * There is a safe on the premises
-

GENERAL PROTECTION at the time of this survey:

- * The following appeared to be SATISFACTORY:
 - Exterior Lighting, Interior Lighting, Roof Accessibility, Police Patrols
 - * Security Alarm System - Yes
-

This report section is designed to provide basic crime information only. More detailed crime information can be obtained by ordering an Expanded Crime Supplement.

M U L T I R I S K
R E M A R K S / R E C O M M E N D A T I O N S

REMARKS:

* Fire, Liability & Basic Crime - This is a well maintained building located in an established commercial area of north Kanata. The premises were clean at the time of survey. Housekeeping was found to be satisfactory.

Adequate portable fire extinguishers are provided throughout the building and appear to be serviced regularly. The whole building is protected by a monitored burglar alarm system.

There were no unusual premises liability exposures noted.

The contact was co-operative and readily provided access to the premises.

No recommendations made at this time.

Multirisk Report - 1995 555 March Road Kanata ON K2K2M5



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MULTIRISK SURVEY

Insured: LASERCOMP SOLUTIONS, INC.

Location Surveyed: 555 MARCH RD
KANATA, ONTARIO
K2K 2M5

Person Contacted: Richard Doull
Telephone Number: (613) 591-6229

Policy Number: 501028823
AIS Reference: 70339602

Surveyed by: Guy Bisson
Date of Survey: 1995.04.05

Committed to Service Excellence

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M U L T I R I S K - F I R E , L I A B I L I T Y A N D
B A S I C C R I M E

OCCUPANCY:

The insured is a tenant at this location. They have been in operation since 1994 and at this location for 5 year(s). They occupy 284 sq. m and are not the major occupant, having 35 employees. The premises are in good condition. The insured is interested in loss prevention, however there have not been any losses during the last 3 years.

* Occupancy Description (Insured / major tenant if insured is non-occupant)

Retail sales and servicing of computer equipment.

* Other Classes of Occupants

Retail sales of computer equipment and telecommunications equipment.

* Undersirable Features

Floor storage, unskidded.

It is recommended that this location be resurveyed in 1 year(s).

BUILDING:

* Built - 1988 Height: Storey(s) (excluding basement) - 1

* There are no additions.

* There are no renovations.

* Building condition - Good

* Area: Ground Floor - 1673 sq. m Total (including basement) - 1673 sq.
m

BASIC CONSTRUCTION:

* Walls - 100% Non-combustible - Steel on steel

* Floors - (excluding basement) 100% Concrete

* Roof - 100% - Class II Steel Deck
- Surface material(s) - Tar and gravel
- Original roof.

INTERIOR FINISH:

* Walls - 98% non-combustible
- 2% open

- * Ceilings - 98% non-combustible
- 2% open

BASEMENTS: None

VERTICAL OPENINGS: None

MEZZANINE: None

OUTBUILDINGS: None

HEATING:

- * Electric Baseboard Units - 100% - Electric
- Original installation.
- Installation appears safe

ELECTRICAL:

- * Condition - Good and appeared safe at the time of the survey.
- * Wiring - Conduit, BX
- * Overcurrent protection - Circuit Breakers.
- * Electrical system - Original installation.

PLUMBING:

- * Condition - Good at the time of the survey.
- * Piping is Copper
- * Plumbing - Original installation.

EXPOSURES: (within 15m of the risk):

- * FRONT: OPEN

- * REAR: OPEN

- * LEFT: OPEN

- * RIGHT: OPEN

MUNICIPAL PROTECTION:

- * The FUS Public Fire Protection Classification is 3
- * Responding (career) fire department Kanata
- * Distance from risk Less than 2.5 km
- * Access via Paved roads. Year-round.

- * The building itself is easily accesible to the fire department.
- * Two hydrants within 155m (standard)

PRIVATE PROTECTION at this location includes the following:

- * Standard extinguishers

- * An automatic sprinkler system is not present.

M U L T I R I S K - L I A B I L I T Y

OCCUPANCY - GENERAL INFORMATION

- * Neighbourhood is predominantly commercial, residential
- * Insured - tenant Area occupied - 284 sq. m
- * % accessible to the public could not be determined
- * Gross revenue - \$4,546,282

PREMISES information at the time of this survey

- * The following appeared to be SATISFACTORY:

Stairs, ramps, handrails; Floor surfaces & coverings; Wall & ceilings;
Interior Lighting; Exterior Lighting; Emergency Lighting; Interior
Housekeeping; Exterior Housekeeping; Washrooms; Sidewalks, Yards &
Parking Lots; Snow & ice removal; Signs & Awnings; Fire exits

- * Elevating devices in operation - none

M U L T I R I S K - B A S I C C R I M E

NEIGHBOURHOOD:

- * Predominantly commercial, residential
- * Expanding
- * Best described as having a low crime rate

BUSINESS:

- * Description - Retails sales and repairs of computer equipment.
- * Hours of Operation - 8 am - 5 pm M-F
- * Typical Stock - Office supplies and computer equipment.
- * Target Stock Details - Computer equipment.
- * Smash and Grab exposure is low
- * There is no safe on the premises

GENERAL PROTECTION at the time of this survey:

- * The following appeared to be SATISFACTORY:

Exterior Lighting, Interior Lighting, Roof Accessability, Police Patrols

- * Security Alarm System - Yes

SECURITY SYSTEM (TENANT or OWNER/OCCUPANT):

- * A premises alarm system is in place
- * The extent of protection by this system is perimeter, space/area
- * The alarm is Local alarm
- * Line security is not provided
- * The type of line security is Not applicable

PHYSICAL PROTECTION (TENANT or OWNER/OCCUPANT):

- * The exterior locks at this location are deadbolt
- * The windows are not barred

This report section is designed to provide basic crime information only. More detailed crime information can be obtained by ordering an Expanded Crime Supplement.

M U L T I R I S K
R E M A R K S / R E C O M M E N D A T I O N S

REMARKS:

* Fire, Liability & Basic Crime - The insured occupies a segregated section of the multi-tenanted and non sprinklered building which appears to be in good condition. The insured expresses an interest in loss prevention, however several deficiencies were noted, including stock stored on the floor, unskidded and unsupervised local alarms.

Servicing of computer equipment is performed by two technicians.

There are no unusual hazards, situations or conditions.

RECOMMENDATIONS:

- * 95-1 Fire, Liability & Basic Crime - All stock currently stored on the floor should be skidded or raised at least 4 inches off the floor to reduce the possibility of water damage in the event water leakage or seepage occurs.

- * 95-2 Fire, Liability & Basic Crime - The existing security alarm system with local alarm capabilities only should be monitored by a ULC listed central station or monitoring station.

Multirisk Report - 1999 591 March Road Kanata ON K2K2M5



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Ontario Branch
Confidential Report

MULTIRISK SURVEY

Insured: QUADRELLE MANAGEMENT

Location Surveyed: 591 MARCH RD
KANATA H P A, ONTARIO
K2K 2M5

Person Contacted: Jeff Rockburn
Telephone Number: (613) 820-1000

Policy Number: 569444880
AIS Reference: 70462641

Surveyed by: P.C. Tomlinson
Date of Survey: 1999.11.05

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M U L T I R I S K - F I R E , L I A B I L I T Y A N D
B A S I C C R I M E

OCCUPANCY:

The insured is a non-occupant building owner at this location. The premises are in good condition. The insured is interested in loss prevention, however there have not been any losses during the last 3 years.

* Occupancy Description (Insured / major tenant if insured is non-occupant)

The insured is the off premises building owner of this multi-tenant retail plaza. Normally the restaurant would be considered the major tenant, however the restaurant was locked at the time of the survey. Indication was given the restaurant by lease agreement must have a semi-annual maintenance contract for the fixed fire suppression system. In light of the above, the major tenant is deemed to be "Winning Circle Martial Arts". This tenant operates a self defence/health studio with tanning salon. There are no unusual or unsafe conditions or situations pertaining to this operation.

* Other Classes of Occupants

Restaurant vacant units, Doctor's offices, veterinary clinic, and retail wine

* Undersirable Features

None

Risk is Rateable under the Commercial Property Fire Schedule.
It is recommended that this location be resurveyed in 1 year(s).

BUILDING:

- * Built - 1989 Height: Storey(s) (excluding basement) - 1
- * There are no additions.
- * There are no renovations.
- * Building condition - Good

- * Area: Ground Floor - 1304 sq. m Total (including basement) - 1304 sq. m

BASIC CONSTRUCTION:

- * Walls - 75% Non-combustible - Steel on steel
 25% Non-combustible - Stucco on steel frame

- * Floors - (excluding basement) 100% Concrete

- * Roof - 100% - Steel Deck Class II
 - Surface material(s) - Tar and gravel
 - Original roof.

INTERIOR FINISH:

- * Walls - 100% non-combustible
- * Ceilings - 100% non-combustible

BASEMENTS: None

VERTICAL OPENINGS: None

MEZZANINE: None

OUTBUILDINGS: None

HEATING:

- * Roof Mounted Units - 100% - Natural gas
 - Original installation.
 - Installation appears safe

ELECTRICAL:

- * Condition - Good and appeared safe at the time of the survey.
- * Wiring - Conduit, BX
- * Overcurrent protection - Circuit Breakers.
- * Electrical system - Original installation.

PLUMBING:

- * Condition - Good at the time of the survey.
- * Piping is Copper
- * Plumbing - Original installation.

EXPOSURES: (within 15m of the risk):

- * FRONT: OPEN
- * REAR: OPEN
- * RIGHT: OPEN
- * LEFT: OPEN

MUNICIPAL PROTECTION:

- * The FUS Public Fire Protection Classification is 4
- * Responding (career) fire department Kanata
- * Distance from risk Less than 2.5 km
- * Access via Paved roads. Year-round.

- * The building itself is easily accesible to the fire department.
- * Two hydrants within 155m (standard)

PRIVATE PROTECTION at this location includes the following:

- * Standard extinguishers

- * An automatic sprinkler system is not present.

M U L T I R I S K - L I A B I L I T Y

OCCUPANCY - GENERAL INFORMATION

- * Neighbourhood is predominantly commercial
- * Insured - non-occupant building owner Area occupied - 1304 sq. m
- * 90% accessible to public. Public access is considered heavy
- * Gross revenue - could not be determined at the time of the survey

PREMISES information at the time of this survey

- * The following appeared to be SATISFACTORY:

Floor surfaces & coverings; Wall & ceilings; Interior Lighting; Exterior Lighting; Emergency Lighting; Interior Housekeeping; Exterior Housekeeping; Washrooms; Sidewalks, Yards & Parking Lots; Snow & ice removal; Signs & Awnings; Fire exits; Fire alarms

- * Elevating devices in operation - none

M U L T I R I S K - B A S I C C R I M E

NEIGHBOURHOOD:

- * Predominantly commercial
- * Stable
- * Best described as having a low crime rate

BUSINESS:

- * Description - Martial arts studio
- * Hours of Operation - 8.00am-9.00pm 6 days
- * Typical Stock - Standard furniture and fixtures
- * Smash and Grab exposure is low
- * There is no safe on the premises

GENERAL PROTECTION at the time of this survey:

- * The following appeared to be SATISFACTORY:

Exterior Lighting, Interior Lighting, Roof Accessibility, Police Patrols

- * Security Alarm System - Yes

This report section is designed to provide basic crime information only. More detailed crime information can be obtained by ordering an Expanded Crime Supplement.

M U L T I R I S K
R E M A R K S / R E C O M M E N D A T I O N S

REMARKS:

- * Fire, Liability & Basic Crime - This building is located on the west side of March Road, north of "The Queensway" in a busy newly established area of Kanata. The building is in good condition and has been well maintained over the years. There are no obvious or uncontrolled premises liability situations. The insured and tenants are cooperative, responsible, and interested in loss control. Housekeeping is good and the supply of portable fire extinguishers is standard with updated service tags attached.

No recommendations made at this time.

Inspection Report - 2003 591 March Road Kanata ON K2K2M5





Confidential

IAO All Risk
(Now available through the IAO Web-site; www.iao.ca)
INSPECTION REPORT

Supplement/s attached: Yes No

1.0 BASIC INFORMATION			
Insured:		Policy Number	
Date of survey (YYYY/MM/DD):	2003/10/07	IAO Loss Control Specialist:	Barry Cross
Person Contacted:	Jonathan Ralph	Telephone No.	613 256-8987
Position			
Mailing Address if Different for risk:			IAO AIS No.: 70462641
	(unit # street # & name)	(City, Town, Village)	
Location Surveyed:	591 March Rd.	Ottawa	Ontario (Province)
	(unit # street # & name)	Formerly Kanata H.P.A.	K2K 2M5 (postal code)
		(City, Town, Village)	
Secondary address (If any)			(Province)
	(unit # street # & name)	(City, Town, Village)	(postal code)
IBC Territory Code	63	IBC Building Code: 6632	SR/MA File No.
Underwriter:		Broker:	

The **IAO Risk•Score** and comments contained in this report are based on conditions and practices observed during our survey and other pertinent data supplied by management personnel at the risk.

Recommendations in this report are made to point out those areas where remedial action could have the beneficial effect of making the above premises safer, and thus more desirable from an underwriting standpoint.

Thank you for choosing IAO to perform this inspection. Please do not hesitate to contact us if we can be of any further assistance.

2.0 IAO Risk•Score

Comments

	1	2	3	4	5	6	7	8	9	
Property	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>No unusual fire hazards noted</i>						
Liability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>No unusual liability hazards noted</i>						
Crime	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>No unusual crime hazards noted</i>						
	<i>(1=Excellent & 9=Poor)</i>									

RISK ALERT ISSUED : Yes No If yes, describe (A risk alert is a telephone notification to the Inspection requestor, of a situation which could imminently cause a serious loss. A Critical Recommendation will be issued to address the situation.)

Committed to Service Excellence

IAO reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO does not purport to list all hazards. While changes and modifications referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO assumes no responsibility for management and control of these activities. IAO will not be responsible to the Purchaser for any losses or damages, whether consequential or other, however caused, incurred or suffered, as a result of the services being provided.

Meaning of the IAO Risk-Score: The IAO Score is a grading of the risk inspected versus other risks in this class. Similar to the "Commercial" Fire Protection Grading system in design, there is range of 9 categories, with a grading or "score" of 1 being the most desirable. The IAO Score is based on a number of objective criteria pertaining to the risk at the time of our survey, tempered with the experienced judgement of our Loss Control Specialist. As a general guideline, the scores mean the following criteria:

1-3	Risks in this range are well maintained, with no apparent moral hazards or management problems. Undesirable features are non-existent and recommendations, if any, are minor. Risks in this category are excellent (no deficiencies) to better than average for their class.
4-6	The maintenance of Risks in this range is considered average. Moral hazards are not apparent, but there may be possible management problems (e.g. poor housekeeping). Undesirable features noted are correctable, and recommendations will vary from desirable to important. Risks in this category are considered average for their class.
7-9	Risks in this range tend to be poorly maintained. Moral hazards and management problems (e.g. poor housekeeping and maintenance, poor attitude) are evident. Significant undesirable conditions are present and cannot or will not be corrected. Critical Recommendations may be present. Risks in this category are significantly below average for their class with little or no indication for improvement.

3.0 REMARKS

Located in the Kanata North Technopark, this mall is fully occupied. No special fire hazards noted at the time of this survey.

No special liability hazards noted at the time of this survey.

No special crime hazards noted at the time of this survey.

4.0 RECOMMENDATIONS

Please note that these recommendations are classified as either **Critical**, **Important**, or **Desirable Improvement**. "**Critical**" recommendations are those aimed at correcting undesirable feature/s which, if left unattended, could cause a serious loss and should be rectified immediately. This class of recommendation is only used in extreme situations. "**Important**" recommendations are intended to highlight undesirable feature/s which if left unattended, could cause a serious loss and should be rectified as soon as possible. "**Desirable Improvement**" recommendations are those aimed at correcting an undesirable feature which can be improved when feasible, to help reduce the risk of a loss.

<input checked="" type="checkbox"/> Listed below	or	<input type="checkbox"/> None
--	----	-------------------------------

03-1	<input type="checkbox"/> Critical	<input checked="" type="checkbox"/> Important	<input type="checkbox"/> Desirable Improvement
All portable fire extinguishers should be maintained in a fully charged and operable condition and be serviced and tagged annually to ensure reliability and proper working order. Applies to all tenants			

03-2	<input type="checkbox"/> Critical	<input type="checkbox"/> Important	<input type="checkbox"/> Desirable Improvement

	<input type="checkbox"/> Critical	<input type="checkbox"/> Important	<input type="checkbox"/> Desirable Improvement

5.0 OCCUPANCY INFORMATION (IBC Occupancy Code 6632)

The Insured is

<input type="checkbox"/> Owner Occupant	<input checked="" type="checkbox"/> Non-occupant building owner	<input type="checkbox"/> Tenant
Name of building owner(if not Insured):		Number of years bldg. Owned: undetermined
Number of years at this location:	Area occupied (sq. m): 0	Business hours: n/a
Days per week: --	Annual Revenue (optional):	Payroll (optional):
Previous loss history past 3 years <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined		Previous loss history past 6 years <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Undetermined
Explain loss history:		
Insured Values: Property: \$1,852,200		Contents: \$
Combustibility of Occupancy: M3		Susceptibility of Occupancy: S4-Heavy Damage

Occupancy : <input type="checkbox"/> Major Tenant OR <input checked="" type="checkbox"/> Insured IBC Industry Code:5812		or <input checked="" type="checkbox"/> refer to Occupancy Specific Supplement:
Occupancy Description:Unit 3 Bombay Masala-Licensed restaurant serving Indian cuisine		
Special Hazard Code(s): Gp 5 SH 6	Description: Commercial cooking with automatic extinguishing system	
Special Hazard Code(s):	Description:	
Other classes of occupants: (immediate exposures)		
Name: Unit 1-Dr. Henry	Area occupied: 167 sq m	IBC Code 8016
Occupancy Description:Dentist		
Special Hazard Code(s) :None	Description:	
Special Hazard Code(s) :	Description:	
Name: Unit 2-March Road Veterinary Clinic	Area occupied: 167 sq m	IBC Code 0737
Occupancy Description: Veterinary hospital		
Special Hazard Code(s) None	Description:	
Special Hazard Code(s)	Description:	
Areas not surveyed:	<input checked="" type="checkbox"/> For additional tenants see attached list	

6.0 BUILDING CONSTRUCTION (IBC Major Construction Class 3)

Building condition:	<input type="checkbox"/> Above Average	<input checked="" type="checkbox"/> Average	<input type="checkbox"/> Moderate deficiencies	<input type="checkbox"/> Major deficiencies
Year built: (yyyy)	1980 est.	Area occupied by insured (sq. m): 0		Combustibility of Building M3
Ground floor area (sq. m):	1748 sq. m	Total floor area (excl. bsmt.)		1748 sq. m
Height (excluding basement):	4.5 m	Number of Stories: 1 (above grade)		
Basement:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Area of basement: -- (sq. m)		Total area: 1748 sq. m
Additions (year & brief description):	None			
Renovations (year & brief description):	None			

Wall construction:	Reinforced Concrete % ()	Masonry: 100%: (55%steel/steel; 45% conc/steel)	Non Combustible: %: ()	Brick/stone veneer: %: ()	Wood frame: %: ()
	Other:		Panels in Walls 50 % Describe: glass windows in front wall		
Floor Construction:	Concrete: 100 %	Concrete on metal pan: %	Wood joist: %	Other: %	
Roof Type:	<input checked="" type="checkbox"/> Flat	<input type="checkbox"/> Sloped	<input type="checkbox"/> Peaked	<input type="checkbox"/> Other	
Roof Construction:	<input type="checkbox"/> Concrete %	<input checked="" type="checkbox"/> Steel deck % 100	<input type="checkbox"/> Wood joist %	<input type="checkbox"/> Other: %	
Roof Surface:	<input checked="" type="checkbox"/> Tar & gravel	<input type="checkbox"/> Metal	<input type="checkbox"/> Asphalt shingles	<input type="checkbox"/> Rubber Membrane	
	<input type="checkbox"/> Wood Shakes	<input type="checkbox"/> Other			
Resurfaced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Date: Repaired as required		
Interior Finish Walls:	Combustible: %	Non-combustible: 100 %		Open: %	
Interior Finish Ceilings:	Combustible: %	Non-combustible: 100 %		Open: %	
Vertical Openings:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Stairs	<input type="checkbox"/> Elevator	<input type="checkbox"/> Deck:	<input type="checkbox"/> Other
Horizontal Separation:	Major Partition Construction		<input checked="" type="checkbox"/> Not Applicable	<input type="checkbox"/> Frame	<input type="checkbox"/> Drywall on Studs
			<input type="checkbox"/> Concrete Block	<input type="checkbox"/> Other	
Proper Opening Protection:			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
Mezzanines: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Combustible: %	Non-combustible: %		Open: %	
Mezzanines percentage of floor	%				
Combustible Concealed Spaces:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	If yes, describe and %		
Concealed space properly protected	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> Not applicable	Comment:	
Building Description:					
Shopping Mall <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Industrial Mall <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Strip Mall: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Other Describe :					

7.0 EXPOSURES (Within 50m of risk)

	Distance	Height	Construction	Occupancy Hazard	Civic Number (optional)	Opening in Facing Wall	
						Yes	No
Front	_____m	_____sto.	Open	None		<input type="checkbox"/>	<input type="checkbox"/>
Rear	_____m	_____sto.	Open	None		<input type="checkbox"/>	<input type="checkbox"/>
Left	_____m	_____sto.	Open	None		<input type="checkbox"/>	<input type="checkbox"/>
Right	_____m	_____sto.	Open	None		<input type="checkbox"/>	<input type="checkbox"/>

(For Malls) Describe partition walls between insured and other tenants.

8.0 COMMON HAZARDS (Heating, electrical, plumbing)

HEATING:

Forced warm air:	<input type="checkbox"/> Electric %	<input checked="" type="checkbox"/> Gas 100%	<input type="checkbox"/> Oil %	Other _____	
Suspended unit heaters:	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____	
Portable heaters:	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____	
Electric baseboard units:	<input type="checkbox"/> %				
Hot water/steam	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____	
Other	<input type="checkbox"/> Electric %	<input type="checkbox"/> Gas %	<input type="checkbox"/> Oil %	Other _____	

Boiler:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Age (yyyy) _____ and Make: _____	Date of last Boiler Inspection: (yyyymmdd) _____		
Appliances enclosed in a non-combustible room:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not required:			
Combustible materials stored in the room:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not applicable			
Fuel tanks:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Inside	<input type="checkbox"/> Outside	<input type="checkbox"/> Above ground	<input type="checkbox"/> Below ground	Age (yyyy) _____ Capacity (L)
Fill and vent piping: Inside	<input type="checkbox"/> Yes	<input type="checkbox"/> No	_____ <input type="checkbox"/> N/A			
Chimneys:	<input type="checkbox"/> Masonry	<input type="checkbox"/> ULC Factory built	<input checked="" type="checkbox"/> Unlabelled pre-fab	<input type="checkbox"/> Other _____		
	<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Non-standard _____				
Installation defects:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Moderate	<input type="checkbox"/> Major			
Installation replaced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	(yyyy) _____ %			
Comment: _____						

ELECTRICAL:

Type:	<input checked="" type="checkbox"/> Conduit	<input checked="" type="checkbox"/> BX	<input type="checkbox"/> Non-metallic	<input type="checkbox"/> Knob & Tube _____	<input type="checkbox"/> Other _____		
Temporary wiring or extension cords:	<input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes _____				
Overcurrent protection:	<input checked="" type="checkbox"/> Circuit Breakers		Fuses:	<input type="checkbox"/> Ordinary	<input type="checkbox"/> Type P	<input type="checkbox"/> Type D	<input type="checkbox"/> Other
Installation defects:	<input checked="" type="checkbox"/> None		<input type="checkbox"/> Moderate	<input type="checkbox"/> Major			
Installation (wiring) replaced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	(yyyy) _____ %				
Partial changes/extensions:	<input type="checkbox"/> Yes _____	<input checked="" type="checkbox"/> No					
Comments: _____							

PLUMBING:

Type:	<input checked="" type="checkbox"/> Copper	<input type="checkbox"/> Galvanized	<input checked="" type="checkbox"/> Plastic	<input type="checkbox"/> Other _____
Installation Replaced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	(yyyy) _____ %	
Condition:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor _____	
Installation appears safe:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No _____		

SMOKING:

Smoking Restricted:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			
"No Smoking" Signs posted:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Enforced:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

HOUSEKEEPING:

<input type="checkbox"/> Good	<input checked="" type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> Unacceptable
Comments: _____			

9.0 FIRE PROTECTION

PUBLIC:

F.U.S. Protection Class: 04 Responding Fire Department: *Ottawa (Formerly Kanata HPA)* IICC Protection Grade 3

Full time Part Time/Volunteer Composite

Distance to Fire Department: <3 km Roads: Paved Unpaved Accessible Year-round: Yes No

Public Water Supply Private Water Supply

No. Hydrants: 2 within 155 m, _____ within 156 - 305 m, _____ Over 305 m, None

PRIVATE:

Are the following adequate?

	Yes	No	Date Last Serviced	Comments
Portable Extinguishers	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<u>See recommendation</u>
Standpipe/Inside Hoses	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u> <input checked="" type="checkbox"/>	

Watchman Service N/A _____
 Fire Detection System: None Full Partial, Describe: _____
 i) Type of Detectors: _____
 ii) Detectors properly located: Describe: _____
 iii) Components listed by: ULC UL Other _____
 iv) Maintenance contract: Company: _____ Telephone #: _____
 v) Connected to: ULC Listed Station Unlisted Service Fire/Police Department Local only
 Other: _____
 Automatic Sprinkler Protection: None Full Premises Partial (describe): _____
 Sprinkler Supplement Attached Yes No

10.0 ALL RISK :

Information Confirmed by: Superintendent

EARTHQUAKE

What is the earthquake zone:	<u>2</u>		
Is there any earthquake history in the area:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Undetermined
If Yes, describe history	<u>Light tremors only</u>		
Any evidence of the following:			
Significant exterior wall or foundation cracks noted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Sagging?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____

FLOOD

Is this establishment located on a flood plain:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is it located near a body of water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Distance to nearest body of water:	_____	<input checked="" type="checkbox"/> None determined	
Is there a history of flooding:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes, give history: _____
Evidence of water damage:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Years knowledge of risk:	5 yrs.		

WATER DAMAGE

Plumbing is: Copper Galvanized Plastic Other Describe: _____

Is there evidence of corrosion: Yes No Describe: _____

Is the building sprinklered: Yes No Comment: _____

Is stock susceptible to water damage: Yes No Describe: n/a

Are all window/skylight openings adequately sealed: Yes No Describe: _____

Does water main pass under building: Yes No

Is the roof covering adequate: Yes No Most recent roof repair date, if applicable _____

Inside and/or roof storage tanks/process equipment Yes No Describe: _____

Tanks/equipment satisfactorily controlled: Yes No Describe: _____

Is there use of: skids Shelving Floor Drains Covers over stock/equipment Describe: _____

Sewer Backup claim in the last three years: Yes No Describe: _____

COLLAPSE AND/OR SEWER BACKUP

Is there any history of collapse:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Is there any history of sewer back-up:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Are sewer back-up protection devices in place:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____

ADDITIONAL PERILS

Is lightning protection in place:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Is risk located within 5 km of airport:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Beneath a flight path: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the yard fenced:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Are gates locked when the premises are closed: <input type="checkbox"/> Yes <input type="checkbox"/> No
Is the yard and the exterior of the building lit:	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No
Is the risk located in a high wind/hail area:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Are there visible signs of vandalism at the risk:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____:
In the area:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Describe: _____
Is the risk protected from	Automobile	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Describe: <u>Concrete Curbs</u>
Impact exposure:	Aircraft	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Describe: _____
	Train	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Describe: _____
	Boat	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Describe: _____
Comments: _____			

11.0 BASIC PREMISES LIABILITY

The following appeared to be satisfactory:

Stairs, Ramps & Handrails:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Floor Surfaces & Coverings:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Walls & Ceilings:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Interior & Exterior Lighting:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Emergency Lighting	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Interior & Exterior Housekeeping:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Washrooms:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Comments: _____
Sidewalks, Yards & Parking Lots:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Fire Exits:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Fire Alarm System (s):	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Comments: _____
Snow & Ice Removal:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
Elevating devices in operation	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Comments: _____
TV Satellite Dishes /Exterior Signs	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Comments: _____
CO detectors where required	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Comments: _____
Swimming Pool	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Supplement attached
Other	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Comments: _____

12.0 BASIC CRIME

Refer to Expanded Crime Supplement

Crime Experience	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> Moderate	<input type="checkbox"/> High
Type of Neighbourhood:	<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Industrial	<input type="checkbox"/> Rural <input type="checkbox"/> Residential <input type="checkbox"/> Isolated
Neighbourhood appears to be:	<input checked="" type="checkbox"/> Stable Changing via:	<input checked="" type="checkbox"/> Expansion/growth	<input type="checkbox"/> Renovation <input type="checkbox"/> Deterioration
Visible malicious damage:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

BUSINESS

Automatic Teller Machine :	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Safe on Premises:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unable to Determine	
Guard Service:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unable to Determine	Describe:
Typical Stock:				
Smash & Grab exposure:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unable to Determine	
Comments:				

GENERAL PROTECTION

The following appeared to be satisfactory:

Exterior Lighting:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Interior Lighting:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Roof Accessibility:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Police Patrols:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Comments:
Yard Fenced:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Describe:

SECURITY ALARM SYSTEM

Premises alarm system in use:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Disconnected	Date Installed: (yyyy)_____
Monitored by:	<input type="checkbox"/> ULC Listed Station	<input type="checkbox"/> Unlisted Station	<input type="checkbox"/> Local Alarm	<input type="checkbox"/> Unknown to Contact	<input type="checkbox"/> Unable to Determine

PHYSICAL PROTECTION

Door locks:	<input checked="" type="checkbox"/> Deadbolt	<input type="checkbox"/> Spring	<input type="checkbox"/> Panic	<input type="checkbox"/> Other	
Windows Protected:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	If yes, describe _____	
Other Openings:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Protected:	<input type="checkbox"/> No	<input type="checkbox"/> Yes

OTHER COMMENTS:

EATING AND LICENSED ESTABLISHMENTS Report - 1995 591 March Road Kanata ON K2K2M5



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EATING & LICENSED ESTABLISHMENTS

CONFIDENTIAL

- Original Survey
 Follow-up Visit

provide insurance pricing and underwriting information about the particular insured and location named below. receive a copy of the report, and IAO / CRRS asks that it be kept strictly confidential. This report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations. Tests of fire protection equipment have not been conducted or witnessed during this inspection.

Insured: DELICIOUS BITES
Location Surveyed: 591 March Road
Kanata, Ontario
Postal Code: K2K 2H5
Person Contacted: Joseph Rosesheter

Insurer: Gore Mutual Insurance Co.
Policy / Reference #: 8330875
Surveyed By: B. Morphy
Date of Survey: November 21, 1995
Telephone #: (613) 591 - 9292

TYPE OF BUSINESS

Restaurant Hotel Motel Tavern Bar
 Pub Cafeteria Banquet Hall Other Delicatessen / Restaurant
With: Dining Room Indoor Terrace Outdoor Terrace Liquor License Dance Floor Shows
Maximum capacity according to permit: _____ N/A
How long insured at this location: 4 months
How long operating this type of business: 22 years

BUILDING

Year Built: 1989 Additions: _____
Building Renovated: No Yes 19 _____ Storeys: 1 Height: 2.8 m
Ground Floor Area 1,304 m². Total Area 1,304 m². Area occupied by establishment 172 m².
Basement: Yes No _____ m².
Building Condition: Good Fair Poor Steel on _____
Wall Construction: Non-Combustible steel 100% Solid Masonry _____ %
Brick Veneer _____ % Wood Frame _____ %
Load Bearing: Yes No
Roof Type: Flat Sloped Peaked Other _____
Roof Construction: Wood Joist Concrete Steel Deck I II Other _____
Roof Covering: Tar & Gravel Metal Asphalt Shingles Other _____
Resurfaced: No Yes 19 _____
Exterior Signs:
Construction: Wood Metal Glass Plastic Other _____ N/A
Location: Mounted on wall Mounted on roof Self-supported Other _____
Properly Secured: Yes No _____
Overall Condition: Good
Floor Construction: Concrete on earth 100 % Concrete on Metal Pan _____ %
Wood Joist _____ % Other _____ %
Vertical Openings: None Stairs Elevator Other: _____
Proper Protection Yes No Not Applicable
Horizontal Separation: Major Partition Construction: Not Applicable Frame Plasterboard
 Concrete Block Other: _____
Proper Opening Protection: Yes No Not Applicable
Combustible Concealed Spaces: Yes No
Proper Protection: Yes No Not Applicable

IAO / CRRS reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO / CRRS does not purport to list all hazards. While changes and modifications, referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO / CRRS assumes no responsibility for management and control of these activities. IAO / CRRS will not be responsible to the Purchaser for any losses or damages, whether consequential or other, however caused, incurred or suffered, as a result of the services being provided.

HEATING

Forced warm air: 100 % Electric Gas Oil Other _____
Suspended unit heaters: _____ % Electric Gas Oil Other _____
Portable heaters: _____ % Electric Gas Oil Other _____
Electric baseboard units: _____ %
Hot water/steam: _____ % Electric Gas Oil Other _____
Boiler: Yes No Age and Make: _____ N/A
Date of last boiler inspection: _____
Other: _____ % Electric Gas Oil Other _____
Appliances enclosed in a non-combustible room: Yes No Not required
Combustible materials stored in the room: Yes No Not applicable
Fuel tanks: None Inside Outside Above ground Below ground
Fill and vent piping: Inside No Yes _____
Chimneys: Masonry ULC Factory built Unlabelled pre-fab Other _____
 Standard Non-standard _____
Installation appears safe: Yes No _____
Installation replaced: No Yes 19_____%
Air Conditioning: Describe HUAC roof top units

ELECTRICAL

Type: Conduit BX Non-metallic Other _____
Overcurrent protection: Circuit breakers Type P fuses Type D fuses Other _____
Condition: Good Fair Poor _____
Installation appears safe: Yes No _____
Installation replaced: No Yes 19_____%
Partial changes / extensions: No Yes _____

COMMON HAZARDS

	Extent of Exposure				
	None	Slight	Moderate	Severe	
Smoking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>Small smoking section provided</u>
Heating	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>No unusual conditions</u>
Electrical Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>Standard equipment</u>
Housekeeping	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: <u>Good</u>

EXTENDED COVERAGE

	Extent of Exposure				
	None	Slight	Moderate	Severe	
Windstorm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Lightning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Building Impact	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____
Other: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remark: _____

EARTHQUAKE

Earthquake Zone: 2 Any history in area: No Yes Describe: Minor tremors

WATER DAMAGE

Plumbing: Copper Galvanized Plastic Other: _____
Condition: Good Fair Poor Replaced: No Yes 19_____% Evidence of Corrosion: Yes No
Window & Skylight openings adequately sealed: Yes No
Damage exposure from air conditioning equipment: Yes No N/A
Roof covering material adequate: Yes No Date of most recent repairs: _____ Undetermined
Inside and / or roof storage tank(s) or process equipment: Yes No
If Yes, satisfactorily controlled: Yes No
Use of: Skids Yes No Shelving Yes No
Floor Drains Yes No Covers over stock / equipment Yes No
History of Water Damage: Yes No Undetermined

FLOOD

Distance to nearest body of water: _____ None determined
Evidence of water damage: No Yes
Describe: _____

History of Flooding: Yes No Undetermined

SEWER BACK-UP

Any protection devices in place: No Yes
Describe: _____

History of Sewer Back-up: Yes No Undetermined

NOTE: For Water Damage, Flood and Sewer Back-up sections
Historical Information confirmed by: Joseph Rosesheter
Years Employed: 4 months

KITCHEN

Interior Finish - Walls: Drywall
- Ceilings: Suspended accoustic tiles
- Floors: Vinyl tiles / concrete
Finish of walls exposed by / adjacent to cooking appliances: None Non-combustible Combustible
Cleanliness: Good Fair Poor _____

Pest Control Program: No Yes No deep fat frying or greary cooking , service as needed.

FIRE PROTECTION (Cont'd.)

Private

NONE

Fixed Extinguishing Systems: (Cooking Appliances & Exhaust System)

- i) Type of installation: CO₂ Dry Chemical Wet Chemical Other _____
- ii) Emergency manual operation: Yes No
- iii) System approved by: ULC UL CSA
 Manufacturer: _____ Model #: _____
- iv) Maintenance contract: Yes No Company: _____ Telephone: _____
 Expiry date: _____
 Inspection: Annual Semi-annual Certificate: Yes No

Other Protection:

- i) Automatic sprinklers: Yes No At ceiling In hoods In exhaust ducts
- ii) Extinguishers (40-B,C) a) In kitchen areas: Yes No CO₂ Dry Chemical
 b) In other areas: Yes No Type: 3A-10B,C
- iii) ULC labelled grease extraction system: Yes No
 Manufacturer: _____ Model #: _____
- iv) Ventilating equipment appears adequate: Yes No None

ELECTRONIC DATA PROCESSING

- Mini System PC Network PC Stand Alone None
- Is all equipment in one room: Yes No Connected to central location Yes No
- Age: _____ Approximate Value: \$ _____
- Equipment is: Owned Leased
- Basic Protection satisfactory: Yes No Surge Protection: Yes No
- Data properly backed-up and stored: Yes No
 Separate location: Yes No

EXPOSURES

Shopping Mall: Yes No Strip Mall: Yes No

	Distance	Height	Construction	Occupancy	Opening in Facing Wall	
					Yes	No
Front	m.	Sto.	Open			
Rear	m.	Sto.	"			
Left	0m.	1 Sto.	Non-combustible	Retail Drapery sales		<input checked="" type="checkbox"/>
Right	0m.	1 Sto.	" "	" appliances "		<input checked="" type="checkbox"/>

(For shopping malls) Describe partition walls between insured and other tenants: Drywall on steel studs.

BUSINESS INTERRUPTION

- Insured is: Building Owner Building Owner / Occupant Tenant
- Provision in lease for expediting repair or replacement: Yes No N/A
- Emergency Power Generator: Yes No Automatic Switch-over: Yes No
- Replacement time for equipment: Standard equipment
- Is there a disaster recovery plan in place: Yes No Last reviewed / Up-dated: _____

CRIME EXPOSURE (Cont'd.)

Money & Securities

Money on hand:

Currency: Average: \$ 500.00 Maximum: \$ 1,000.00
 Cheques: Average: \$ / Maximum: \$ /
 Lottery/Stamps: Average: \$ / Maximum: \$ /

Are cheques cashed: No Yes; Payroll Government Other _____
Cheques properly endorsed "for deposit": Yes No

Bank deposits: Daily Other During: Daytime Night-time
Distance travelled: 6 km. Hours of deposit vary: Yes No How many staff accompany: 0
Safe: No Yes Make: _____ Model: _____
Dimensions: _____
Labelled by ULC: Yes No Label Details: _____ N/A
Fixed in floor: Yes No Location: _____ Lock: Combination Key Age _____ (approx.)
Alarmed: Yes No Alarm Co.: _____ Details: _____
Time Delayed Opening: Yes No

Target Stock

NONE

Type of Stock: Liquor Tobacco Products Other (List): _____
Stock stored when restaurant open (describe): _____
Describe storage when restaurant closed: _____

LIABILITY

Are the following satisfactory?

Stairs, ramps, handrails	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Fire exits	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Floor surfaces and coverings	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Fire alarms	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Walls and ceilings	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Fire escapes	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Interior lighting	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Sidewalks, yards, parking lots	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Exterior lighting	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Snow & ice removal	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Emergency lighting	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Signs and awnings	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Interior housekeeping	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Roof attachments	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Exterior housekeeping	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	TV dishes	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Washrooms	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Other attachments	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A

Do the following features apply?

Elevating devices (#): _____ Passenger elevators _____ Freight elevators _____ Hoists _____ Escalators _____ Other _____ None
Maintenance contract: Yes No
Other Features and Remarks: _____

HOST LIQUOR LIABILITY

Do the following apply?

Sale of food: Yes No

Sale of alcohol: Yes No

Food / liquor sales ratio: N / A

Bouncers / doorman: Yes No

Darts: Yes No

Other recreational facilities: Yes No

Describe: _____

Entertainment: Yes No

Live Bands: Yes No

Dance floor: Yes No

Other: _____

Sound system & lighting secure: Yes No N/A

Admission charges: Yes No

Describe: _____

Staff training: Yes No Describe: _____

Inhouse Yes No Describe: _____

Outside Yes No Describe: _____

Procedures for identification and handling of intoxicated patrons: Not licensed

Documentation provided: Yes No Describe: " "

Past problems with rowdy or intoxicated patrons: Yes No

Describe: _____

Designated driver programs: Yes No N/A

Warm food and coffee always available: Yes No

Parking facilities provided: Yes No

Parking charges: Yes No

Taxi service available: Yes No

Direct taxi phone line: Yes No

Pay phone: Yes No

Designated smoking areas: Yes No Restricted; very small

Permanent Guests or Boarders: Yes No

PRODUCTS LIABILITY

Food preparation procedures appear adequate to prevent foreign matter contamination: Yes No

Overall Cleanliness / Conditions in Food Preparation / Handling Area

Good Fair Poor _____

Food storage practices adequate: Yes No

Cooler refrigeration suitable: Yes No

Dishwashing temperatures above 60°C: Yes No No handwashing

Insecticides / Pesticides used: Yes No

Contract pest control services: No Yes No deep fat frying; done as required.

Take out services: No Yes "No delivery"

Catering: No Yes

CRIME EXPOSURE

General

Neighbourhood: Residential Commercial Industrial Rural Isolated
 Appears to be: Stable Expansion / Growth Renovation Deterioration
 Crime area: Low Moderate High

Physical Protection

DOORS	How Many	CONSTRUCTION							KINDS OF LOCKS							Wired To Alarm System?		
		Wood	Metal	Metal Covered	Glass	Bars on Glass Doors	IF ANY PANEL Plain Glass	Wired Glass	Single Cylinder Dead Lock	Double Cylinder Dead Lock	Spring Lock	Panic Bar	Slide Bolt	PADLOCK Inside Outside		Cross Bar	Yes	No
Front	2								<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>
Side	/																	
Rear	1		<input checked="" type="checkbox"/>												<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Roof	/																	
WINDOWS	How Many	TYPE OF WINDOW		BURGLARY SCREENS			BURGLARY BARS				Condition of Bars and Screens	Wired To Alarm System?						
		Fixed	Movable	Inside	Outside	Properly Secured	Inside	Outside	Spacing	Properly Secured		Yes	No					
Front	8	<input checked="" type="checkbox"/>															<input checked="" type="checkbox"/>	
Side	/																	
Rear	/																	
Basement	/																	
Transoms	/																	
Skylight	/																	
Other Openings	/																	

Security Alarm

In use: Yes Disconnected None

Information confirmed by: Insured Alarm company Specify: _____

Name of installer: _____ Date installed: _____

Type of response facility:

ULC Central Station ULC Monitoring Station Unlisted Monitoring Service Local Only

Name: _____ Other: _____

Alarm System ULC Certificated: No Certificate #: _____ Expiry Date: _____

If no, is equipment ULC Listed: Yes No

Additional features: Monitored opening/closing Other: _____

Are monitored systems also provided with local alarm capabilities: Yes No

Coverage: Accessible Openings Space Protection Walls, floors, ceilings Safe

Other: _____

Devices: Infrared Detector Photoelectric Beam Ultrasonic Detector Microwave Detector

Magnetic Contacts Conductive Foil Wire Lacing Glass Breakage Detector

Other: _____

System line security: _____ Not determined

Extent of protection: _____ Not determined

Number of false alarms in past 12 months: _____

Alarm system under suspension: Yes No Has alarm system been suspended in past 3 years Yes No

Alarm system is currently serviced by: _____

COOKING APPLIANCES AND EXHAUST INSTALLATION

Appliance Type	Number	Fuel				Automatic shut-off		Stainless Steel Hoods		Protection		
		Electric	Nat. gas	Prop. gas	Charcoal	Yes	No	Yes	No	Fixed System	Automatic Sprinklers	None
Oven	1	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Grill / Griddle	/											
Deep Fat Fryer												
Stove / Range												
Char Broiler												
Other												

Exhaust System Cleaning None provided or required as there is no deep fat frying conducted here.

Element	Weekly	Monthly	Other	Name of Company	Clean at time of inspection	
					Yes	No
Filter(s)			/			
Hood						
Ducts						

Exhaust Ducts: Discharges directly to outside Passes through combustible materials
 Extends through the roof Protected by a fixed extinguishing system

Year of installation: _____

Comment: _____

REFRIGERATION INSTALLATION

Type: Refrigerators Number: 3
 Freezers Number: 5 Two stand up double door; 3 chest freezers
 Cold Rooms Number: Dimensions: _____ m. x _____ m.; _____ m. x _____ m.
 Freezer Rooms Number: Dimensions: _____ m. x _____ m.; _____ m. x _____ m.

Refrigeration Equipment appears in good repair: Yes No _____

FIRE PROTECTION

Public

F.U.S. Protection Class: 9
 Responding Fire Department: Kanata
 Full Time Volunteer Composite
 Distance to Fire Department: 1.7 km. Roads: Paved Unpaved
 Accessible Year-round: Yes No Difficult access for Fire Dept: Yes No
 No. of Hydrants 1 within 155 m. 1 within 156 - 305 m. _____ over 305 m. None

REMARKS

This risk is located in a very well maintained modern strip mall. The business is family run and is open seven days a week. The delicatessen serves european type pastries, and coffee.

All sandwiches and salads are made fresh upon ordering.

There is no fatty or greasy foods prepared at this location. An assortment of sandwiches, soups and cold meats are available as well as light pastry's and some frozen foods.

Business appears to be well managed and well run. It is located in high tech area of Kanat: and enjoys a steady clientele.

The contact was fully co-operative and readily supplied iformation required for this survey and access to the premises.

COMMERCIAL PROPERTY SURVEY Report - 2000 591 March Road Kanata ON K2K2M5





The
DOMINION OF CANADA
General Insurance Company - the Insurer

HEAD OFFICE: 165 UNIVERSITY AVENUE, TORONTO, ONTARIO M5H 3B9

Commercial Property Survey

Insured: JONATHAN RALPH IN TRUST
 Policy Number: 08485848 Broker: BRADLEY'S INSURANCE Stat. No.: _____
 Location Surveyed: 691 MARCH ROAD
 City: KANATA Province: ONTARIO K2K 2M5
 Completed by: B. YOUNG Date: SEPT 6, 2000
 Interviewed: TENANTS Title: _____
 Mailing Address: N/A

General

Use of property: Wholesale Retail Manufacturing Other*
 Building suitable for use: Yes No* Modified for use:*
 Neighbourhood: Habitational Mercantile Industrial Other*
 Improving Static Deteriorating*
 Location suitable: Yes No*

Building

Year built: 1980 Actual Estimated Additions Yes* No *Year _____
 Basement area: Finished Partially finished Unfinished Open No Basement
 Building area: Basement _____ 1st. 1304m² 2nd. _____ 3rd. _____ Total 1304m²
 Maintenance of Building: Good Poor* *(describe in narrative)

Construction Details

Type of Construction: Fire-Resistive Non-Comb. Heavy Timber/Mill
 Brick Joist (masonry) Brick Veneer Frame
 Mixed* *(provide details and %)
 Floors: Basement: concrete other*
 Grade: concrete wood other*
 2nd floor: concrete wood other*
 3rd floor: concrete wood other*
 Exterior Walls: Poured concrete Pre-Stressed Concrete Block Steel
 Brick Brick faced concrete block Frame
 Mixed* *(provide details and % of each) 100% STUCCO PANELS ON STEEL FRAME
 Roof: Concrete concrete/exposed steel steel deck wood/steel joists
 wood/wood joist other* *(provide details)
 Roof Covering: Clay tiles tar & gravel asphalt shingles other*
 Condition of Roof: Good Poor*

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Interior Finish:

	Floor	Walls	Ceiling
Base Masonry	Basement		
Combustible	First Floor	NC	SMT
Non-Combustible	Second Floor		
Open Finish/no finish	Third Floor		
Direct Plaster			
Suspended mineral tile			

Protection: Public

Distance from Firehall: Km/Mi. 1.5 km Number of Hydrants within 300 ft. 2 within 500 ft.
Hindrances to fire fighting: Yes* No Published class H (IAO)

Protection: Private

- None
- Dry Standpipes
- Standpipes and hose
- Guard Service*
- * Fire detection systems
- Automatic extinguishing system
- Private Hydrants
- Portable Extinguishers (adequate / NFPA #10)
- Manual alarms

Hazards: Common

Smoking controlled: Yes No*
Housekeeping adequate: Yes No* *(provide sufficient details below)

DESIGNATED SMOKING AREAS.
NO HOUSEKEEPING CONCERNS.

Heating

	Fuel G/O	Good	Poor*	Original	Updated*	Replaced
Hot Water						
Steam						
Hot Air	<u>GAS</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		
Electrical						
Infra Red						

*(provide heating details) 100% ROOF MOUNTED UNITS

Electrical

	Good	Poor*	C/B - Fuses	Original	Updated*	Replaced
Box Cable	<input checked="" type="checkbox"/>		<u>C/B</u>	<input checked="" type="checkbox"/>		
Non metal						
Conduit	<input checked="" type="checkbox"/>		<u>C/B</u>	<input checked="" type="checkbox"/>		

*(provide electrical details) STANDARD EQUIPMENT.

Stock Storage

*(provide sufficient details including commodity, storage, method, & stock susceptibility)

N/A - BUILDING OWNER'S RISK ONLY.

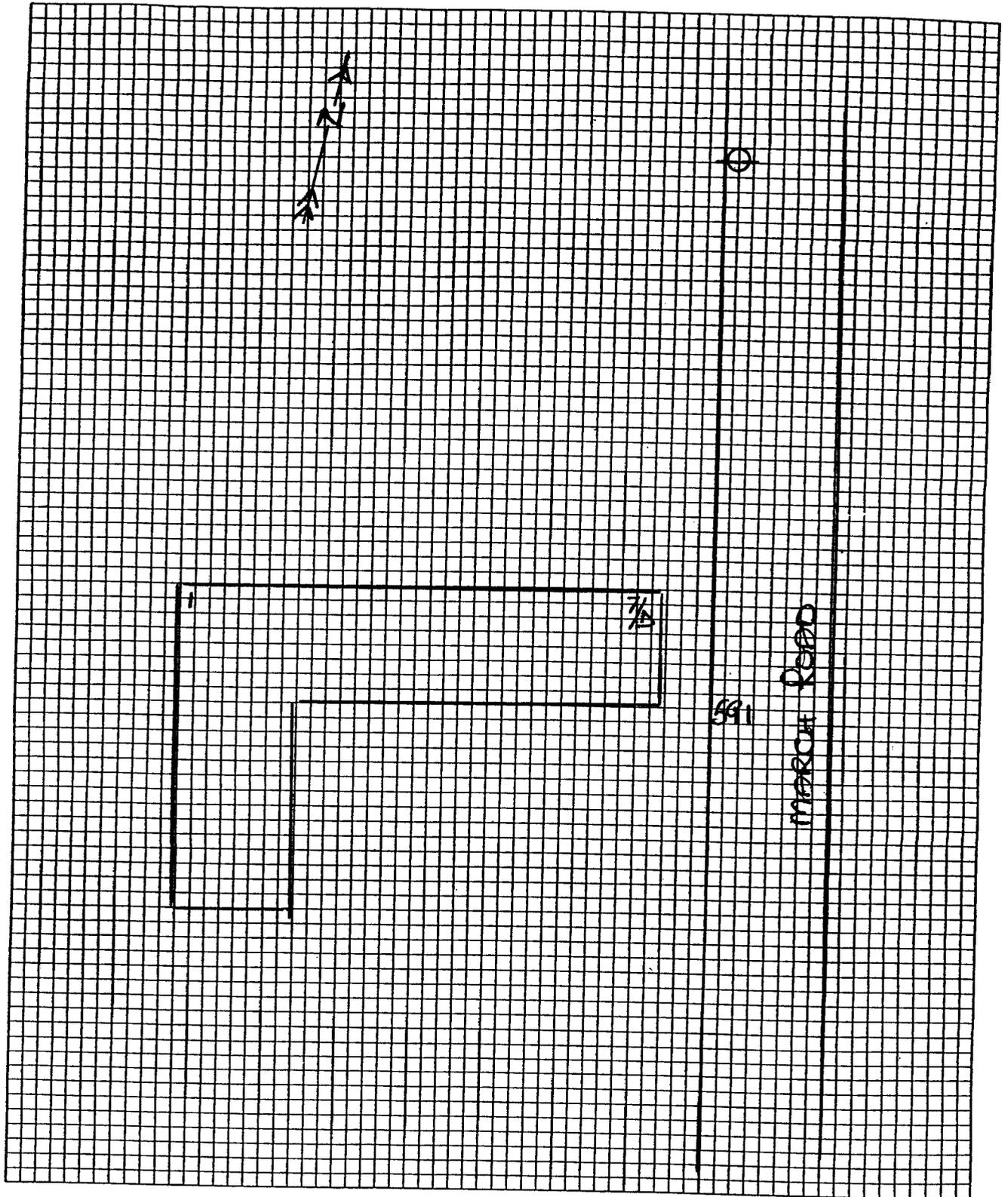
Management Profile/Company History

*(provide summary, including experience, & growth)

INFORMATION NOT AVAILABLE AT TIME OF SURVEY.

Diagram

(Indicate North, also show firewalls, nearby bodies of water, and relative positions of adjacent buildings and exposures.)
(Draw diagram to scale for 1" = 50 ft. otherwise indicate scale or actual measurements.)



Scale: NOT TO SCALE

Occupancy, Insured/Process Description

Discuss insured's process mentioning all "special hazards" and concluding with your opinion whether the hazards are adequately controlled.

THIS IS A WELL MAINTAINED BUILDING LOCATED IN AN EXPANDING COMMERCIAL AREA OF NORTH KANATA. THE PREMISES WERE CLEAN AT THE TIME OF SURVEY. HOUSEKEEPING WAS FOUND TO BE SATISFACTORY.

THE MAJOR OCCUPANT OPERATES A LICENSED INDIAN RESTAURANT. COOKING APPLIANCES ARE PROVIDED WITH A FIXED AUTOMATIC WET CHEMICAL FIRE SMOKE SUPPLYING SYSTEM SERVICED EVERY 6 MONTHS. AN EIBC RATED PORTABLE FIRE EXTINGUISHER IS PROVIDED FOR THE KITCHEN. RESTAURANT SUPPLEMENT IS ATTACHED.

INDIVIDUAL TENANTS MAY HAVE PROVIDED BURGLAR ALARM SYSTEMS.

THERE WERE NO UNUSUAL PREMISES LIABILITY PROCEDURES NOTED.

Additional tenants:

- DENTAL CENTRE.
- VETERINARY CLINIC.
- TRAVEL AGENCY.
- WING MAKING SUPPLIES.
- TANNING STUDIO.
- MARTIAL ARTS STUDIO.
- ONE VACANT UNIT.

Exterior Exposures

Adequate Controls

- Yes No* Roof in good condition
- Yes No* Chimneys, signs, skylights marques gutters or spouts well maintained
- Yes No* Sidewalks, entrances, parking lots, in good repair
- Yes No* Exterior grounds generally well kept
- Yes No* Parking lots with lines marked, traffic directed (provide sq. footage ESTIMATE 8000)
- Yes No* N/A Recreational equipment, eg. playground swimming pool well kept*
- Yes No* N/A Exterior stairways, ramps well maintained, with adequate handrails
- Yes No* Lighting sufficient, provides even illumination, all areas included

Interior Exposures

Adequate Controls

- Yes No* Stairways standard riser, and tread lengths
- Yes No* Stairways well maintained and non slip surfaces
- Yes No* Handrails provided where necessary, proper height, spacing or rails
- Yes No* Elevators provided, (if so state number of passengers _____ freight _____)
- Yes No* Elevators on a service contract / regular maintenance
- Yes No* Elevator level to floor, and is electronically interlocked
- Yes No* Elevator inspected by city, certificates current
- Yes No* Emergency lights provided, are they sufficient in number, NO any generators

General Details

- Indicate use of premises by public, Heavy Moderate Light None
- Food service on premises, if so indicate gross receipts \$ N/A - TENANT EXPOSURE
- Any liquor legal liability exposure, Yes No if so gross receipts \$ N/A - TENANT EXPOSURE
- Employees properly trained for serving food and drink, Yes No*
- Sanitation and food preparation satisfactory Yes No*
- Adequate exits provided, and kept free from obstacles Yes No*
- Adequate fire detection systems provided, tested on regular basis, Yes No*
- Emergency plan established, including evacuation provisions, drills held on regular basis, Yes No* N/A
- Is risk a place of assembly, Yes No if so, state maximum seating capacity 135
- Are floor coverings safe, well maintained and slip free Yes No*

Narrative

(provide a general description and specific comments on above answers with a * also provide brief description of products manufactured, distributed, or handled)

No unusual premises liability exposures were noted at the time of survey.

General

Insured occupies 0 floor(s) of a 1 storey building.

Business operates N/A hours/day

District well lighted, Yes No*

Risk isolated Yes* No

Any losses during past three (3) years Yes* No **INFORMATION NOT AVAILABLE**
 If yes, describe details in narrative.

Merchandise/Stock Burglary

Description of Merchandise and approximate value (in total or per floor) \$
N/A

What merchandise or stock is particularly attractive to burglars (target items)
N/A

Precautions taken for safekeeping of valuable items at night.
N/A

Physical Protection		Protection		Access readily gained from	
Yes	No	Yes	No	Yes	No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Interior/Exterior lighting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fire escapes
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Police patrols in area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stairways
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Merchant patrols	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Elevator shafts
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Security guards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Roof openings
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Physical security sufficient	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Doors
<u>N/A</u>	<input type="checkbox"/>	Alarms security sufficient	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Windows

Alarm Protection Is a burglary alarm provided, Yes No If yes complete the following section.

Local Yes No Perimeter Yes No

Remote Yes No N/A Area Yes No

Central Station Yes No Spot protection Yes No

Off premises monitoring Yes No Serviced on a regular basis Yes No

Supervised/Reporting Yes No

U.L.C. certified alarm system, Yes No If so extent of protection and line security _____

State the alarm servicing company _____

Safe Burglary

Safe	Manufacturer	Class	Labels	Safe in Safe	Anchored	Combination	Alarm
#1	<u>N/A</u>						
#2							
#3							

Safe Burglary (con't)

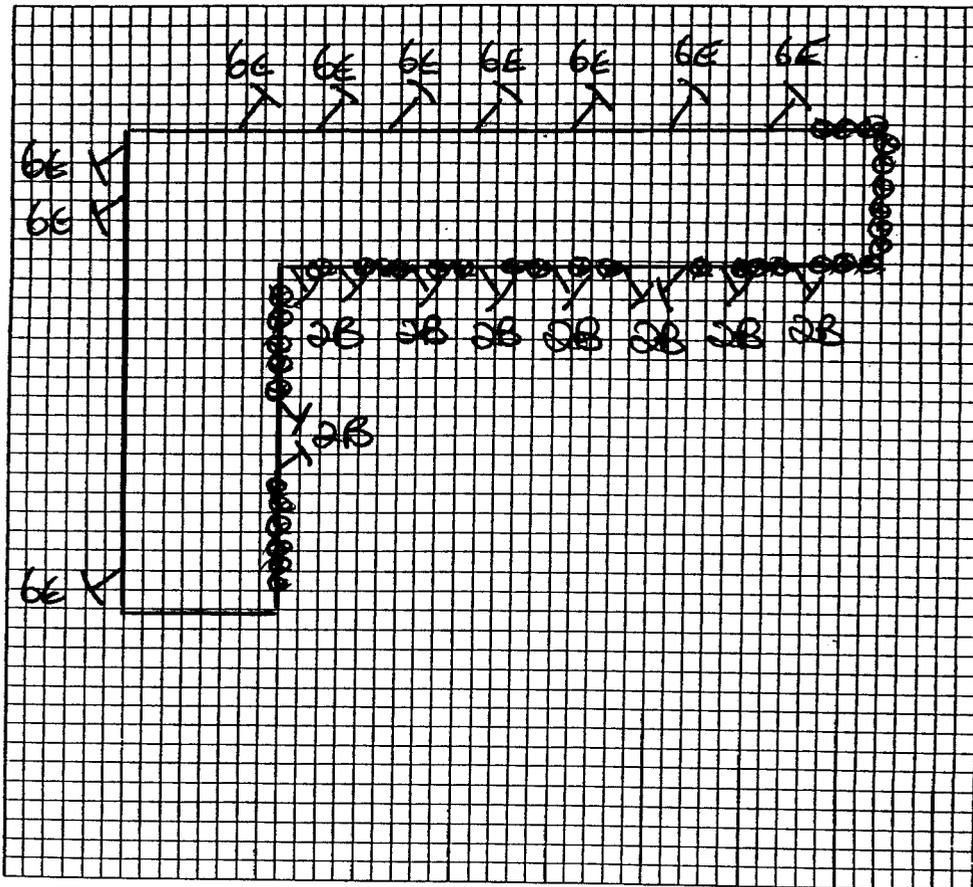
N/A

Safe is

- Well lighted Yes No
- Plainly visible from sidewalk Yes No
- Set in concrete/anchored Yes No

- Armoured car service has access Yes No
- Locked when not in use Yes No
- Combination change plan used Yes No

Diagram



Provide a diagram showing all openings to building and protection provided. Diagram does not need to be to scale, but should use following symbols:

Doors

- 1. Pedestrian < overhead N
- 2. Metal & Glass
- 3. Metal
- 4. Wood & Glass
- 5. Wood
- 6. Wood metal covered
- 7. Glass only

Windows

- ⊗ Permanent
- × Sashlock

Locks

- A. Double cylinder dead bolt
- B. Single cylinder dead bolt
- C. Jimmy proof (drop bolt)
- D. Spring latch
- E. Slide bar
- F. Padlock
- G. Brace bar

Protection

- H. Steel sheet
- I. Cross bar
- J. Steel bars
- K. Heavy wire mesh/screen
- L. Alarm contact
- M. Interior motion detector
- N. Other (please specify)

Narrative

(Use additional sheets if required)

THE PHYSICAL PROTECTION OF THE PREMISES APPEARS ADEQUATE FOR THE RISK.



APPENDIX D

Chain of Title Search



READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4

Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

BRIEF DESCRIPTION OF LAND:

555 March Road, Ottawa

Part of Lot 9 Concession 3, Kanata, Part 1 Plan 5R9546 Except Part 1 Plan 4R7933, Part 15 Plan 4R12735

PIN: 04518-0067

LAST REGISTERED OWNER: March And Main Developments Inc.

CHAIN OF TITLE:

Patent registered January 21, 1837

From Crown to George Morgan

Deed RO6913 registered January 4, 1854

From George Morgan Sr. to George Morgan Jr.

Deed RO5843 registered January 4, 1856

From George Morgan to George Morgan

Deed MH491 registered January 9, 1880

From George Morgan Sr. to George Morgan Jr.

Deed MH1322 registered March 6, 1897

From George Morgan to George Monk

Deed MH2633 registered September 5, 1915

From Estate of George Monk to Walter D Monk

Deed MH3470 registered December 13, 1939

From Walter D. Monk to George B. Monk

Deed MH4460 registered October 5, 1959

From George B. Monk to Keith McMurtry, Archie McDonald

Quit Claim Deed MH4544 registered May 3, 1960

From Walter D. Monk to George B. Monk

Deed MH4630 registered November 1, 1960

From Keith McMurtry, Archie McDonald to George B. Monk

Deed MH4632 registered November 1, 1960

From Walter D. Monk, George B. Monk to Mic Mac Realty (Ottawa) Limited

Deed MH5037 registered December 23, 1963

From Mic Mac Realty (Ottawa) Limited to Joseph C. Samis, Minnie A. Samis

Deed MH5142 registered April 29, 1964

From James A Samis, Minnie A. Samis to James C. Samis, Clarence Kilgour

Deed CT146567 registered December 31, 1971

From James C. Samis, Clarence Kilgour to Paul Nash, Bruce F. Clown, George M. Fyffe, Lorne V. Ursel

Deed CT155223 registered July 6, 1972

From Paul Nash, Bruce F. Clown, George M. Fyffe, Lorne V. Ursel to South March Developments Limited

Deed CT178679 registered August 30, 1973

From South March Developments Limited to Celso Grassone In Trust

Deed 191901 registered May 6, 1974

From Celso Grassone In Trust to Fussen Investment (Ontario) Inc.

Deed N319340 registered December 20, 1985

From Fussen Investment (Ontario) Inc. to Rusint Property Inc.

Deed N319340 registered December 20, 1985

To Rusint Property Inc.

Deed OC554648 registered January 16, 2006

From Rusint Property Inc. to 555 March Rd. Inc.

Notice of Lease OC554687 registered January 16, 2006

From 555 March Rd. Inc. to Rohde & Schwarz Canada Inc.

Notice of Lease OC554688 registered January 16, 2006

From 555 March Rd. Inc. to Gale Real Estate Inc.

Notice of Lease OC725649 registered June 1, 2007
From 555 March Rd. Inc. to Good Life Corporation

Deed OC2374791 registered Jul 16, 2021
From 555 March Rd. Inc. to March And Main Developments Inc.



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Fax: 613-236-3677

ENVIRONMENTAL SEARCH

BRIEF DESCRIPTION OF LAND:

591 March Road
Pt lot 9, Con 3, part 1 on 5R12441 save
And except part 1 on 4R94, Kanata

PIN: 04518-0061

LAST REGISTERED OWNER: 591 & 595 March Road Developments Inc.

CHAIN OF TITLE:

Patent dated Jan 21, 1837
Crown to George Morgan

Deed 6913 registered Jan 4, 1854
From George Morgan Sr. to George Morgan Jr.

Deed 9843 registered June 4, 1856
From George Morgan to George Morgan

Deed 491 registered Jan 9, 1880
From George Morgan Sr. to George Morgan Jr.

Deed 1322 registered March 6, 1897
From George Morgan to George William Monk

Deed 2033 registered Sept 5, 1918
From Estate of George William Monk to Walter D. Monk

Deed 3470 registered Dec 13, 1939
From Walter D. Monk to George B. Monk

Deed 3916 registered June 11, 1950

From George B. Monk to Elmer Emereau

Deed 4564 registered June 15, 1960

From Elmer Emereau to George J. Chester and Rose Chester

Deed 6871 registered May 13, 1968

From George J. Chester and Rose M. Chester to Lloyd A. Ross

Deed N449454 registered July 29, 1988

From Lloyd Arthur Ross to Kerscott Developments Ltd.

Deed N466458 registered Nov 25, 1988

From Kerscott Developments Ltd. to Alex Testa

Deed N487597 registered May 19, 1989

From Alex Testa to Kerscott Developments Ltd.

Power of Sale Deed 1296480 registered June 30, 2000

From CIBC Mortgage Corporation to Jonathan Edward Frank Ralph

Deed OC53666 registered March 21, 2002

From Jonathan Edward Frank Ralph to D. I. R. Investments Inc.

Lease OC53876 registered March 22, 2002

From D. I. R. Investments Inc. to Royal Lepage Gale Real Estate Inc.

Deed OC2374786 registered Jul16, 2021

From D. I. R. Investments Inc. to 591 & 595 March Road Developments Inc.



READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4

Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

BRIEF DESCRIPTION OF LAND:

595 March Road
Block 1, Plan 4M1104

PIN: 04518-0115

LAST REGISTERED OWNER: 591 & 595 March Road Developments Inc.

CHAIN OF TITLE:

Patent dated Jan 21, 1837
Crown to George Morgan

Deed 6913 registered Jan 4, 1854
From George Morgan Sr. to George Morgan Jr.

Deed 9843 registered June 4, 1856
From George Morgan to George Morgan

Deed 491 registered Jan 9, 1880
From George Morgan Sr. to George Morgan Jr.

Deed 540 registered Nov 6, 1880
From George Morgan to John G. Morgan

Deed MH3298 registered Dec 2, 1932
From John G. Morgan to Cecil R. Morgan

Will GR6869 registered Dec 13, 1957
From John G. Morgan to Cecil R. Morgan and John O. Morgan

Deed CT106478 registered Jun 30, 1969
From Cecil R. Morgan and John O. Morgan (estate of John G. Morgan) to Nash and

Harrison Limited

Nash and Harrison Limited changed it's name to Leigh Control Limited

Deed CT231073 registered Jun 30, 1976
From Leigh Control Limited to Edwin Honeywell in trust

Deed NS7333 registered Mar 14, 1978
From Edwin Honeywell in trust to Minto Construction Limited

Minto Construction Limited changed it's name to Minto Developments Inc.

Deed LT1277958 registered Apr 26, 2000
From Minto Developments Inc. to OTNIM Properties Limited

Deed LT1279763 register May 1, 2000
From OTNIM Properties Limited to Nortech Land Developments Inc.

Deed LT1349976 registered Dec 20, 2000
From Nortech Land Developments Inc. to Cisco Systems Co.

Deed OC1112551 registered May 28, 2010
From Cisco Systems Co. to D. I. R. Investments Inc.

Deed OC2374786 registered Jul16, 2021
From D. I. R. Investments Inc. to 591 & 595 March Road Developments Inc.



READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4

Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

Omni-McCann
Attn: Dan Elliott

BRIEF DESCRIPTION OF LAND:

603 March Road., Ottawa
Part of Lot 9, Concession 3 March

PIN: 04518-0065

LAST REGISTERED OWNER: March & Main Developments Inc.

CHAIN OF TITLE:

Patent dated Jan 21, 1837
Crown to George Morgan

Deed 6913 registered Jan 4, 1854
From George Morgan Sr. to George Morgan Jr.

Deed 9843 registered June 4, 1856
From George Morgan to George Morgan

Deed 491 registered Jan 9, 1880
From George Morgan Sr. to George Morgan Jr.

Deed 540 registered Nov 6, 1880
From George Morgan to John G. Morgan

Deed MH3298 registered Dec 2, 1932
From John G. Morgan to Cecil R. Morgan

Will GR6869 registered Dec 13, 1957
From John G. Morgan to Cecil R. Morgan and John O. Morgan

Deed CT106478 registered Jun 30, 1969

From Cecil R. Morgan and John O. Morgan (estate of John G. Morgan) to Nash and Harrison Limited

Nash and Harrison Limited changed it's name to Leigh Controls Limited

Deed CT224002 registered Feb 6, 1976
From Leigh Controls Limited to 329744 Ontario Limited

Deed CT244263 registered Feb 28, 1977
From 329744 Ontario Limited to Mitel Corporation

Deed NS74686 registered Jan 9, 1979
From Mitel Corporation to Admiral Leasehold Limited

Deed NS76496 registered Dec 21, 1979
From Admiral Leasehold Limited to Mitel Corporation

Deed NS214273 registered Oct 17, 1983
From Mitel Corporation to Trillium Telephone Systems Inc.

Deed N470293 registered Dec 23, 1988
From Trillium Telephone Systems Inc. to Mitel Corporation

Deed N495121 registered Jul 14, 1989
From Mitel Corporation to Regional Development Corp. in trust

Deed N506359 registered Oct 2, 1989
From Regional Development Corp. to Newbridge Networks Corporation

Deed LT1260408 registered Jan 28, 2000
From Newbridge Networks Corporation to Tundra Semiconductors Corporation

Names Change OC2237048 registered Jul 21, 2020
From Tundra Semiconductors Corporation to Renesas Electronics Canada Limited

Deed OC2502934 registered Jun 16, 2022
From Renesas Electronics Canada Limited to March & Main Developments Inc.



APPENDIX E

City Directory Search

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY
DIRECTORY

Project Property: *555, 591, 595, and 603 March Road, Kanata, Ontario*
Report Type: *City Directory*
Order No: *22051300303*
Information Source: *Vernon's Ottawa & Area, ON City Directory (LAC)*
Date Completed: *06/16/2022*

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

City Directory Information Source
Vernon's Ottawa & Area, ON City Directory

PROJECT NUMBER: 22051300303	
Site Address:	555, 591, 595, and 603 March Road, Kanata, Ontario
Year: 2011	
Site Listing:	<p>555-Goodlife Fitness Clubs</p> <p>591-Royal Lepage</p> <p>-Royal Lepage Gale Real Estate</p> <p>-Royal Lepage Performance Realty</p> <p>-Wine Craft</p> <p>-March Road Veterinary Hospital</p> <p>-Residential (2 Tenants)</p> <p>-Law Office</p> <p>-Bombay Masala Indian Cuisine</p> <p>-The Co-Operators</p> <p>595-Address Not Listed</p> <p>603-Belair Networks</p> <p>-Tundra Semiconductor Corp</p>
Adjacent Properties:	
March Road (505-720)	<p>505-Scotaimcleod</p> <p>-Texas Instruments Canada Ltd</p>

	<ul style="list-style-type: none">-Ageus Solutions Inc-Mentor Graphics525-Allan Mann Insurance600-Alcatel-Lucent-Residential (1 Tenant)700-Star Fashion Cleaners-March Convenience-Psychiatry Office-Absolute Massage Therapy-Scotiabank-Papa Sam's Restaurant-Subway Sandwiches & Salads-Armstrong Gordon & Associates-Phu-Yen Restaurant-Zimmer & Associates-Amika Mobile-Kanata North Physiotherapy & Acupuncture Centre-Kanata North Dental Office-Kanata North Medical Centre-Medical Offices-First Choice Haircutters-Rexall Pharma Plus-The Barley Mow-Burger King Restaurants720-Shell Canada Products-Shell Canada
--	--

Acklam Terrace (5-145)	-All Residential 5-Salvation Army
Allenby Road (5-45)	-All Residential
Ayton Lane (1-55)	-All Residential 28-Kathleen's Kitchen
Banchory Crescent (130-145)	-All Residential 143-Banff Avenue Community House
Collingwood Crescent (25-45 Odd)	-All Residential
Hines Road (50-100)	50-Workdynamics Technologies Inc -Potentia Semiconductor -Emageon Inc -Formark Consulting 59-Insurance Office 70-Royal Canadian Legion Bridge Almonte 80-Quake Technologies Inc 84-Certicom Corp -Irdeto Canada Corp -Sidense Corp -Ashton Electronic Systems Inc -Arrow Electronics Inc

	<p>-Compugen Inc</p> <p>-Psion Teklogix Systems Inc</p> <p>88-Flexus Electronics</p> <p>-Telemus Inc</p> <p>-Holmes & Brakel Bus Interiors</p> <p>93-Cimco Refrigeration</p> <p>-Daltco Electric 1979 Inc</p> <p>-Wescar Corp</p>
Innovation Drive (1000-1145)	<p>1000-Entrust Ltd</p> <p>-S C Stormont</p> <p>1125-Edwater Computer Systems Inc</p> <p>1135-Avaya Canada</p> <p>1145-Plaso Energy Group Inc</p> <p>-Skywave Mobile Communications Inc</p>
Legget Drive (535-555)	<p>535-Global Knowledge Network</p> <p>-Kanata Research Park Corp</p> <p>-Physio Optimum</p> <p>-Kanata Research Park Family Centre</p> <p>-Solace Systems Inc</p> <p>-T S M C Design Technology Canada Inc</p> <p>-Kanatek Technologies</p> <p>-Pika Technologies</p> <p>-Cortina Systems Corp</p> <p>-McAuley Financial Services</p>

	<ul style="list-style-type: none">-Dynar Architect & Associates Inc-Loates W & Development Consultants Inc-Altera Canada Co-Ipeak Networks-Truecontext Corp555-Green Parents List Inc-Dyntek Canada-Adams Patent & Trademark Agency-Dell Inc-Pacific Safety Products Inc-Technisource-C I B C Wood Gundy-Kanata Research Park Corp-Caldwell O’Hearn-Acbel-Capital Planning-Kwictech Interactive-Teleguard Monitoring Systems-I2-Tern Solution Group-Checkpoint Software Technologies-Edward Jones-Custom House-Krp Management Service-Neptune’s Kitchen-Legget Drive Dental Clinic
--	---

	<ul style="list-style-type: none">-Dental Office-Core Software Corp-Chiropractic Masters-Medical Office-Autoskill Intl Inc-Kanata Research Park-Gowlings Lafleur Henderson LLP-Allan Joyner Productions-Access 2 Networks-Computer Sciences Canada Inc-C S C Canadian Head Office-Friends of Hospice Canada-Mac-Fm-March Networks-Neurolanguage Inc-Kindsight Canada Corp-Brechin Group Inc-Act Teleconferencing Canada Inc-McIntosh & Watts Ltd-Amrack Storage Systems Inc-W3 Business Network-Advanced Multipoint Conferencing-Kanata Chamber of Commerce-Taraspan Group Inc-Dilawri & Co Professional Corp-Pmc Sierra Inc
--	---

	<ul style="list-style-type: none"> -Kanata North Family Chiropractic Centre -Fraser & Smith Law Office -The Salon -Westend Unistyle Inc -Itex Inc -Home Instead Senior Care -Blackwood Corporate Centre -Ib Your Office Ottawa -Psychiatry Office -Rent Check Credit Bureau -Dental Office -Konstant Co -Oc Rehab & Health Care Centre -Residential (1 Tenant)
11 McKinley Drive	-Street Not Listed
Terry Fox Drive (375-385)	-No Listings Within Radius

PROJECT NUMBER: 22051300303	
Site Address:	555, 591, 595, and 603 March Road, Kanata, Ontario
Year: 2006-07	
Site Listing:	<ul style="list-style-type: none"> 555-Signal Technology Associates -Rohde & Schwarz Canada Inc

	<p>591-Royal Lepage</p> <ul style="list-style-type: none"> -Wine Craft -March Road Veterinary Hospital -Medical Office -Elite Mortgage Team -Law Office -Island Tanning -Winning Circle -The Co-Operators -Bombay Masala Indian Cuisine <p>595-Address Not Listed</p> <p>603-Belair Networks</p> <ul style="list-style-type: none"> -Tundra Semiconductor Corp
Adjacent Properties:	
March Road (505-720)	<p>505-Scotaimcleod</p> <ul style="list-style-type: none"> -Camtronics -Zentra Solutions Inc -Assetmetrix -I T S Dynamic Corp -Sun Media Corp -Texas Instruments Canada Ltd <p>525-Allan Mann Insurance</p> <p>600-Compass Group Canada Ltd</p> <ul style="list-style-type: none"> -Alcatel Canada

	<p>601-Adam & Miller & Kelly</p> <p>700-Star Fashion Cleaners</p> <p>-March Convenience</p> <p>-Intelatech Inc</p> <p>-Papa Sam's Restaurant</p> <p>-Subway Sandwiches & Salads</p> <p>-Gordon Armstrong & Associates</p> <p>-Phu-Yen Restaurant</p> <p>-Amika Now</p> <p>-Kanata North Physiotherapy & Acupuncture Centre</p> <p>-Medical Offices</p> <p>-Kanata North Medical Centre</p> <p>-March Guardian Drugmart</p> <p>-The Barley Mow</p> <p>-Burger King Restaurants</p> <p>-Movie Experts</p> <p>720-Shell Canada Products</p>
Acklam Terrace (5-145)	-All Residential
Allenby Road (5-45)	-All Residential 23-Alliston Construction Inc
Ayton Lane (1-55)	-All Residential 19-Computer Onsite

Banchory Crescent (130-145)	-All Residential
Collingwood Crescent (25-45 Odd)	-All Residential
Hines Road (50-100)	50-Xilinx Inc -WorkDynamics Technologies Inc -O M Video -Excalibur Systems Ltd -Electro Source Inc -Formark Consulting 70-Royal Canadian Legion 80-Quake Technologies Inc -Colonnade Developments 84-Certicom Corp -Metconnex Inc -Colonnade Development Inc -Telewatch Monitoring Services Inc -Cloakware Corp -Teleguard Monitoring Systems Inc -Compugen Inc -Symagery Microsystems Inc 88-Flexus Electronics -Telemus Inc 93-Cimco Refrigeration 95-Wescar Corp -Value Added Solutions Inc

Innovation Drive (1000-1145)	1000-Entrust Ltd - Canderel Management Inc 1125-Edwater Computer Systems Inc - Marconi Kanata 1135-Plasco Energy Group - Nimcat Networks
Legget Drive (535-555)	535-Kanata Research Park Corp - Kanata Research Park Family Centre - Solace Systems Inc - Prolates-Pilates - Truecontext Corp - Global Knowledge Network - McAuley Financial Services 555-Rent Check Credit Bureau - Xtreme E D A - Technisource - Skypoint Capital Corp - Navigant Intl - Kanata Research Park Corp - Celtic House Intl Corp - Caldwell O'Hearn - Acbel - Capital Planning - Kwictech Interactive

	<ul style="list-style-type: none">-Tern Solution Group-TimeStamp Inc-Wesley Clover Corp-Synergy Print & Copy-Custom House-Neptune's Kitchen-Legget Drive Dental Clinic-Dental Office-Autoskill Intl Inc-Kanata Research Park-Marlay & Ford LLP-Joyner Allan Productions-C S C Canadian Head Office-Computer Sciences Canada Inc-March Networks-Coach Ken-Brechin Group Inc-Act Teleconferencing Canada Inc-McIntyre & Sloan-Amrack Storage Systems Inc-Advanced Multipoint Conferencing-Cognimax Technologies Inc-B C E Capital Inc-Kanata North Family Chiropractic Centre-The Salon-Westend Unistyle Inc
--	---

	<ul style="list-style-type: none"> -Levenscrown Family Law Counsel -Blackwood Corporate Centre -Entropy Intl Inc -Star Fashion Cleaners -Therapy Office -U S C L Canada Corp -Adams Patent & Trademark Agency -i2 Inc -Fraser Fraeme B Law Office -Edward Jones -Teleguard Monitoring Systems
11 McKinley Drive	-Street Not Listed
Terry Fox Drive (375-385)	-No Listings Within Radius

PROJECT NUMBER: 22051300303	
Site Address:	555, 591, 595, and 603 March Road, Kanata, Ontario
Year: 2001-02	
Site Listing:	<ul style="list-style-type: none"> 555-ASAP-CD Solutions Inc -e.Mediate Networks Ltd -Rohde & Schwarz Canada Inc -Tektronix Canada 591-Wine Craft

	<ul style="list-style-type: none"> -March Road Veterinary Hospital -Island Tanning -D 1 Access Inc -Massage Therapy -Winning Circle -Ashoka Indian Cuisine 595-Address Not Listed 603-Uniglobe Premiere Travel-Kanata -Tundra Semiconductor Corp
Adjacent Properties:	
March Road (505-720)	<ul style="list-style-type: none"> 505-Texas Instruments Canada Ltd 565-Siemens Canada 600-Beaver Foods Newbridge -Alcatel Networks Corp -Maxlink Communications 700-March Convenience -Intelatech Inc -Papa Sam's Restaurant -Carp Quality Cleaners & Laundry -Virtual Power Systems -Phu-Yen Restaurant -Kanata North Physiotherapy & Acupuncture Centre -Kanata North Dental Office -March Guardian Drugmart

	<p>-The Barley Mow</p> <p>-Flicks & Flavours Kanata North</p> <p>720-R G M Electric</p> <p>-Shell Canada</p> <p>-Jestions Mobile</p>
Acklam Terrace (5-145)	<p>-All Residential</p> <p>57-Zegna Consulting</p> <p>132-Valley Pavement Stripping</p>
Allenby Road (5-45)	-All Residential
Ayton Lane (1-55)	-All Residential
Banchory Crescent (130-145)	-All Residential
Collingwood Crescent (25-45 Odd)	-All Residential
Hines Road (50-100)	<p>50-SiGEM Inc</p> <p>-Huber & Suhner Canada Ltd</p> <p>-Excalibur Systems Ltd</p> <p>-Electro Source Inc</p> <p>-Xilinx Corp</p> <p>70-P C L Constructors Canada Inc</p> <p>80-Colonnade Developments</p> <p>84-Sitecast Construction</p>

	88-Arrow Electronics Canada Ltd -Flexus Electronics -Telemus Inc 93-Med-Ox Diagnostics -Biosys Inc -L D Tool & Die 95-Wescar Corp -Value Added Solutions Inc
Innovation Drive (1000-1145)	-Street Not Listed
Legget Drive (535-555)	535-Knowledge Development Centres -DragonWave Inc 555-Kanata Research Park Corp -Powertrunk -Celtic House Intl Corp -U S C L Canada Corp -Pulse Canada Ltd -Pflaming.com -Nokia -P M C Sierra Inc -Ferrotronic Components Inc -Caldwell O’Hearn Inc -Synergy Print & Copy -Neptune’s Kitchen -Teleguard Monitoring Systems Inc

	<ul style="list-style-type: none">-Dental Office-Legget Drive Dental Clinic-Indigo Electronics Ltd-Joyner Allan Productions-Scotiamcleod-Computer Sciences Corp-Bridgewater System Corp-Telexis Castleton Network-Learsoft Corp-Act Teleconferencing Canada Inc-Unexus University-Advanced Multipoint Conferencing-PrairieFyre Software Inc-Impulse-Telcom Training Corp-Fine Tech Inc-Kanata North Family Chiropractic Centre-IB Your Office Canada-Westend Unistyle Inc-The Salon-W W K R-Rational Software Corp-Fraser Graeme B Law Office-Digital Fairway-Capital Planning-Altera Corp
--	---

	-Fluke Electronics Symbol Technologies Canada -i2 Inc -Skypoint Capital Corp
11 McKinley Drive	-Street Not Listed
Terry Fox Drive (375-385)	-No Listings Within Radius

PROJECT NUMBER: 22051300303	
Site Address:	555, 591, 595, and 603 March Road, Kanata, Ontario
Year: 1996-97	
Site Listing:	555-Rohde & Schwarz Canada Inc -Tektronix Canada 591-Consulting Office -Kerscott Developments Ltd -March Road Veterinary Hospital -Intl Appliance Group -Appliance Experts -Delicious Bites European Café Deli & Bakery -Faye Fortune Drapery Design -Ask Appliance Parts -The Market Place -Mincom Results Realty Inc 595-Address Not Listed

	603-Newbridge Microsystems -Televitesse System Inc
Adjacent Properties:	
March Road (505-720)	571-Residential (1 Tenant) 579-Medical Office -Allan Mann Insurance 600-Kanata Research Park -Newbridge Networks Corp -Timestep -West End Systems Corp 700-Decary Equipment -Star Fashion Cleaners -Deco March Road -Virtual Power Software -Ruitter Engineering -Subway Sandwiches & Salads -Kanata North Dental Office -Kanata North Medical Centre
Acklam Terrace (5-145)	-All Residential 57-Zegna Consulting 132-Valley Line Painting Ltd
Allenby Road (5-45)	-All Residential

Ayton Lane (1-55)	-All Residential
Banchory Crescent (130-145)	-No Listings Within Radius
Collingwood Crescent (25-45 Odd)	-All Residential
Hines Road (50-100)	<p>80-Kanata Klassic Bowl</p> <p>-Dave's Westend Proshop Inc</p> <p>-Alley Kats Sports Lounge</p> <p>-Pro-Style Martial Arts Academy</p> <p>93-Canada Clean Room</p> <p>-Burnsco Technologies Inc</p> <p>-Dow Building Cleaners</p> <p>-Golden Windows Ltd</p> <p>-Framing Outlet of Kanata Inc</p> <p>-L D Tool & Die</p> <p>95-Wescar Corp</p> <p>-Secure-T-Bars</p> <p>-Omega Telemus Inc</p> <p>-I-Stat Canada Ltd</p>
Innovation Drive (1000-1145)	-Street Not Listed
Legget Drive (535-555)	-No Listings Within Radius

11 McKinley Drive	-Street Not Listed
Terry Fox Drive (375-385)	-No Listings Within Radius

PROJECT NUMBER: 22051300303	
Site Address:	555, 591, 595, and 603 March Road, Kanata, Ontario
Year: 1992	
Site Listing:	555-Rohde & Schwarz Canada Inc 591-Appliance Specialty -Bytes Doughnuts Café -Kerscott Developments Ltd -Marchview Dry Cleaners -Technology Brokers Assn -Procomputer Systems -March Road Veterinary Hospital 595-Address Not Listed 603-Elcombe Systems -Newbridge Microsystems -Newlife Computer Corp
Adjacent Properties:	
March Road (505-720)	571-Residential (1 Tenant) 579-Bankers Realty Ltd

	-Medical Office 600-Kanata Research Park
Acklam Terrace (5-145)	-All Residential 132-Valley Line Painting Ltd
Allenby Road (5-45)	-All Residential
Ayton Lane (1-55)	-All Residential
Banchory Crescent (130-145)	-Street Not Listed
Collingwood Crescent (25-45 Odd)	-All Residential
Hines Road (50-100)	-No Listings Within Radius
Innovation Drive (1000-1145)	-Street Not Listed
Legget Drive (535-555)	-No Listings Within Radius
11 McKinley Drive	-Street Not Listed
Terry Fox Drive (375-385)	-No Listings Within Radius

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

*****Kanata, ON is listed from 1992 to 2011 within the city directory archives.*****



APPENDIX F

Historic Land Use Inventory



File Number: D06-03-22-0103

August 11, 2022

Daniel Elliot
Omni-McCann

Sent via email [dan@omnimccann]

Dear Daniel Elliot,

**Re: Information Request
555, 591, 595, 603 March, 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:

- The identified properties are located within the footprint of an Environmental Risk Management Area (ERMA) associated with the former March Road Landfill. Details related to ERMA's are provided as part of the HLUI report.

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 key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

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

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

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,

Steven Payne
Student Planner

Per:

Michael Boughton, MCIP, RPP
Senior Planner

Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / SP

Enclosures: (2)

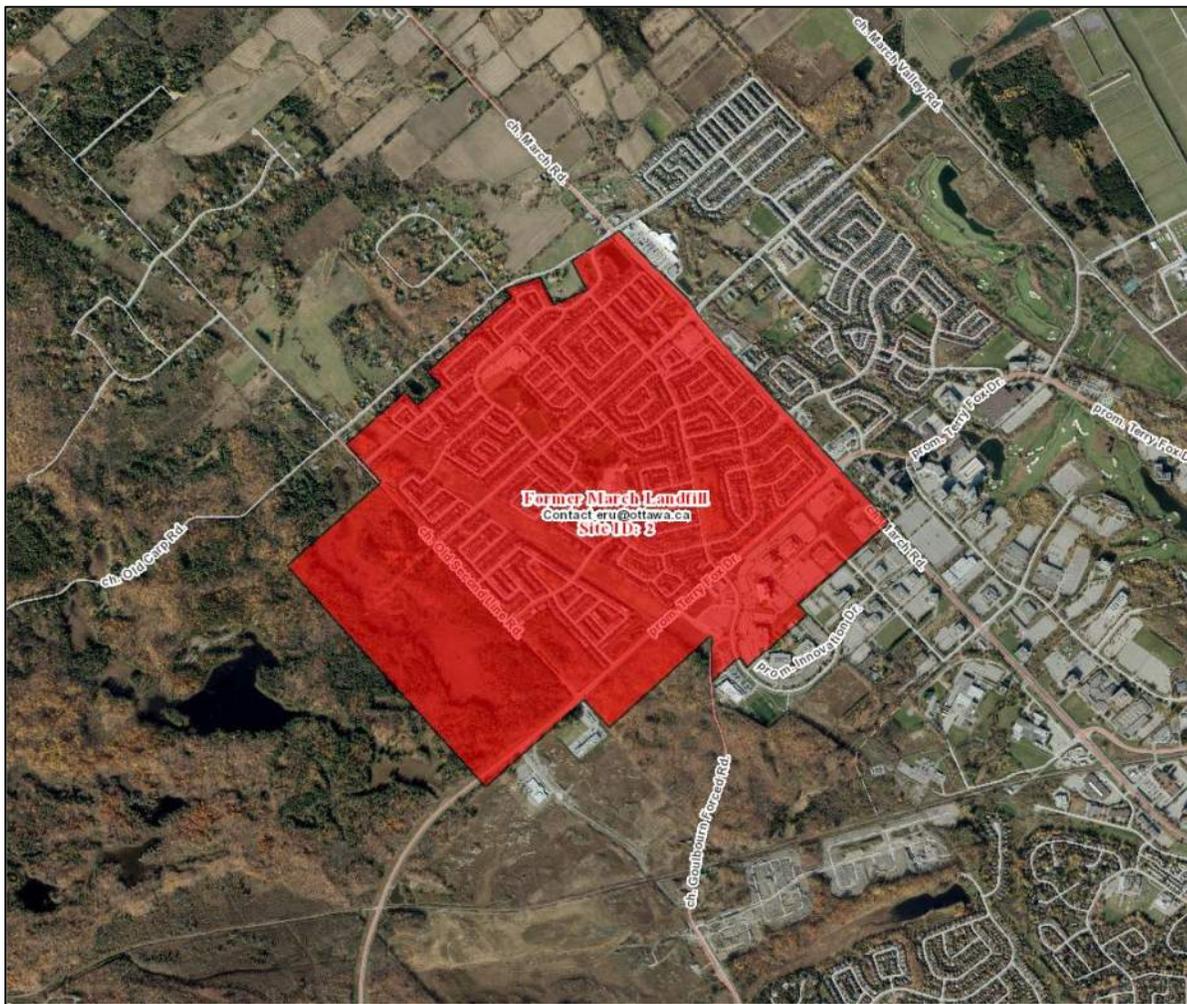
1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-22-0103

Environmental Risk Management Area (ERMA)

Site ID: 2

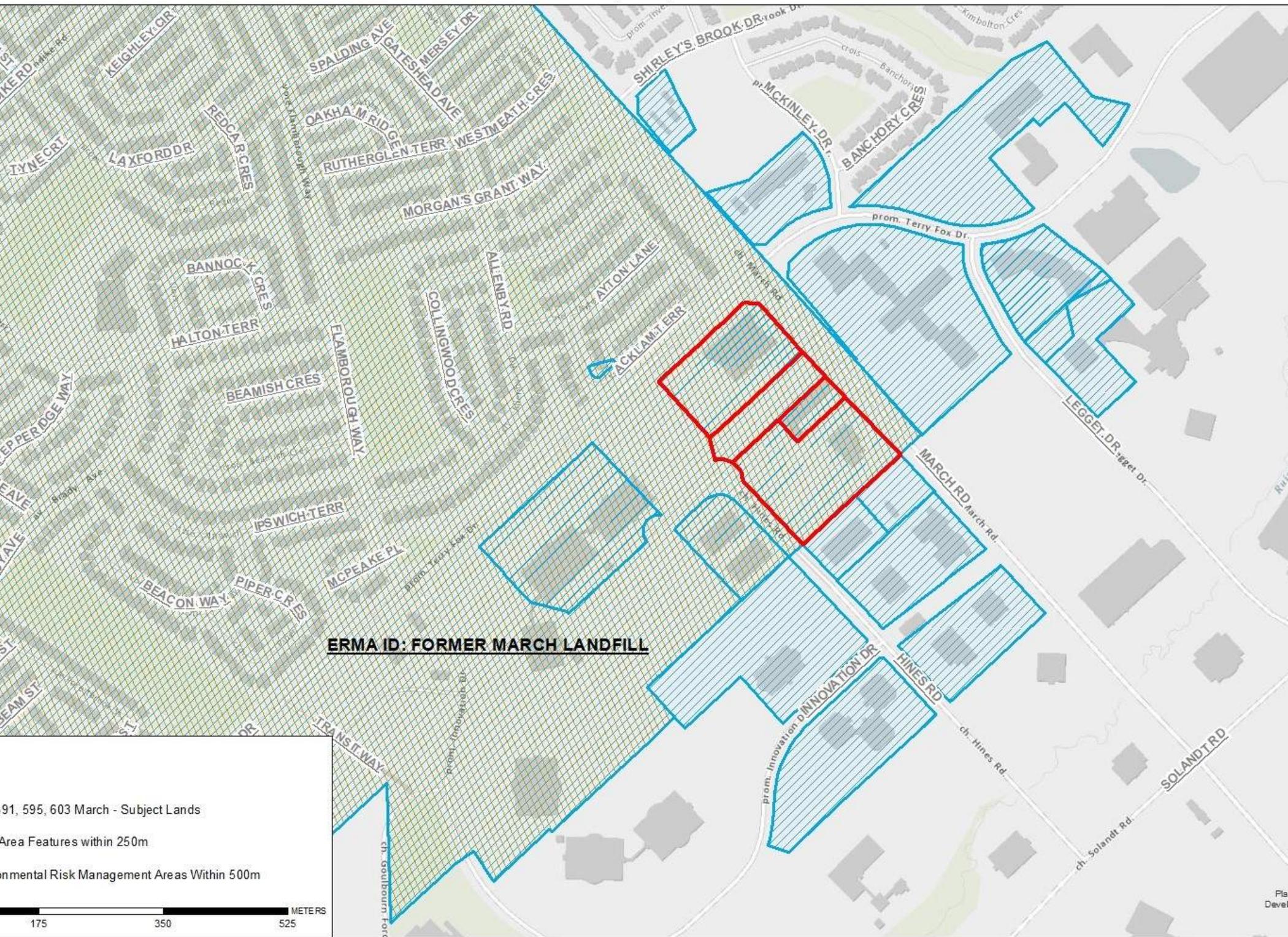
TERRY FOX DRIVE AT MARCH ROAD – FORMER MARCH LANDFILL



The historic March Landfill operated in this area from 1963 to 1974. There is known groundwater contamination (chlorinated solvents) that extends about 1.5 km from the former March Landfill. Special consideration should be given for projects involving management of groundwater (i.e. contact w/ groundwater, pumping and/or dewatering).

For more information please contact the City's Environmental Remediation Unit (ERU) at ERU-UAE@ottawa.ca

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP





APPENDIX G

ERIS Report



DATABASE REPORT

Project Property: *March Road Phase One ESA
555, 591, 595, and 603 March Road
Kanata ON K2K 2M5*

Project No: *2200626*

Report Type: *RSC Report - Quote*

Order No: *22051300303*

Requested by: *Omni-McCann Inc.*

Date Completed: *June 1, 2022*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	12
Executive Summary: Summary By Data Source.....	31
Map.....	59
Aerial.....	60
Topographic Map.....	61
Detail Report.....	62
Unplottable Summary.....	195
Unplottable Report.....	200
Appendix: Database Descriptions.....	234
Definitions.....	243

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

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Executive Summary

Property Information:

Project Property: *March Road Phase One ESA
555, 591, 595, and 603 March Road Kanata ON K2K 2M5*

Project No: 2200626

Order Information:

Order No: 22051300303
Date Requested: May 13, 2022
Requested by: Omni-McCann Inc.
Report Type: RSC Report - Quote

Historical/Products:

City Directory Search *CD - Subject Site plus 250m Radius*
ERIS Xplorer [ERIS Xplorer](#)
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*
Topographic Map *RSC Maps*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	2	1	3
CA	<i>Certificates of Approval</i>	Y	5	15	20
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	5	5
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	1	1
EBR	<i>Environmental Registry</i>	Y	0	4	4
ECA	<i>Environmental Compliance Approval</i>	Y	1	16	17
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	6	26	32
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	7	7
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	19	106	125
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	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
NPRI	National Pollutant Release Inventory	Y	0	2	2
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	3	3
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	9	45	54
SPL	Ontario Spills	Y	0	6	6
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	5	2	7
Total:			47	241	288

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	GEN	MILLER'S QUALITY DRY CLEANERS	591 MARCH ROAD KANATA ON K2K 2M5	ENE/0.0	-0.41	62
1	EHS		591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	62
1	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	62
1	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	63
1	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	63
1	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	63
1	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON	ENE/0.0	-0.41	64
1	EHS		591 March Rd Ottawa ON K2K2M5	ENE/0.0	-0.41	64

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	<u>64</u>
<u>1</u>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	<u>65</u>
<u>1</u>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	<u>65</u>
<u>1</u>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	<u>65</u>
<u>1</u>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	<u>66</u>
<u>1</u>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	<u>66</u>
<u>1</u>	GEN	March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	ENE/0.0	-0.41	<u>66</u>
<u>2</u>	BORE		ON	E/0.0	-0.46	<u>67</u>
<u>3</u>	WWIS		lot 9 con 3 ON <i>Well ID:</i> 1510215	ENE/0.0	-0.41	<u>68</u>
<u>4</u>	WWIS		591 MARCH ROAD lot 9 con 3 KANATA ON	S/0.0	1.23	<u>71</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
			Well ID: 7151742			
5	EHS		595 March Road, Block E Kanata ON	WNW/0.0	0.34	75
6	ECA	D.I.R. Investments Inc.	Ottawa ON K0A 1A0	SE/0.0	0.56	75
7	SCT	ROHDE & SCHWARZ CANADA	555 MARCH RD KANATA ON K2K 2M5	ESE/0.0	0.41	75
7	SCT	TEKTRONIX CANADA INC.	555 MARCH RD KANATA ON K2K 2M5	ESE/0.0	0.41	75
7	SCT	Rohde & Schwarz Canada Inc.	555 March Rd Kanata ON K2K 2M5	ESE/0.0	0.41	76
7	SCT	Localcity	555 March Rd Kanata ON K2K 2M5	ESE/0.0	0.41	76
7	SCT	Local City Inc.	555 March Rd Kanata ON K2K 2M5	ESE/0.0	0.41	76
7	SCT	ASAP-CD Solutions	555 March Rd Ottawa ON K2K 2M5	ESE/0.0	0.41	77
7	EHS		555 March Road Ottawa (Kanata) ON	ESE/0.0	0.41	77

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>8</u>	WWIS		lot 9 con 3 ON <i>Well ID:</i> 1503346	W/0.0	1.54	<u>77</u>
<u>9</u>	BORE		ON	W/0.0	1.54	<u>80</u>
<u>10</u>	CA	NEWBRIDGE NETWORKS CORP. - 8-4051-90	603 MARCH ROAD (8-4053-90) KANATA CITY ON K2K 2M5	NW/0.0	-0.46	<u>81</u>
<u>10</u>	CA	NEWBRIDGE NETWORKS CORP. 8-4052-90	603 MARCH ROAD KANATA CITY ON K2K 2M5	NW/0.0	-0.46	<u>81</u>
<u>10</u>	CA	NEWBRIDGE NETWORKS CORP. - 8-4053-90	603 MARCH ROAD (8-4051-90) KANATA CITY ON K2K 2M5	NW/0.0	-0.46	<u>81</u>
<u>10</u>	CA	NEWBRIDGE NETWORKS CORP. - 8-4052-90	603 MARCH ROAD (8-4054-90) KANATA CITY ON K2K 2M5	NW/0.0	-0.46	<u>82</u>
<u>10</u>	SCT	TUNDRA SEMICONDUCTORS CORPORAT	603 MARCH RD KANATA ON K2K 2M5	NW/0.0	-0.46	<u>82</u>
<u>10</u>	SCT	Tundra Semiconductor Corp	603 March Rd Kanata ON K2K 2M5	NW/0.0	-0.46	<u>82</u>
<u>10</u>	CA		603 March Road Kanata ON K2K 2M5	NW/0.0	-0.46	<u>82</u>
<u>10</u>	GEN	TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	NW/0.0	-0.46	<u>83</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
10	GEN	TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	NW/0.0	-0.46	83
10	GEN	TRILLIUM TELEPHONE SYSTEMS INC. 38-102	603 MARCH ROAD KANATA ON K2K 2M5	NW/0.0	-0.46	83
10	GEN	TRILLIUM TELEPHONE (OUT OF BUS)	603 MARCH ROAD KANATA ON K2K 2M5	NW/0.0	-0.46	84
10	GEN	NEWBRIDGE NETWORKS CORPORATION 28-807	603 MARCH ROAD C/O 600 MARCH RD., P.O.BOX 13600 KANATA ON K2K 2M5	NW/0.0	-0.46	84
10	GEN	Tundra Semiconductor Corporation	603 March Road Kanata ON K2K 2M5	NW/0.0	-0.46	84
10	SCT	IDT Canada	603 March Rd Kanata ON K2K 2M5	NW/0.0	-0.46	84
10	EHS		603 March Road Kanata ON K2K 2M5	NW/0.0	-0.46	85
10	EHS		603 March Rd Kanata ON K2K 2M5	NW/0.0	-0.46	85
11	WWIS		lot 9 con 3 ON	ESE/0.0	-0.54	85

Well ID: 1503344

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
12	WWIS		lot 9 con 3 ON <i>Well ID:</i> 1503345	ESE/0.0	-1.15	88

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
13	WWIS		O HINES DRIVE KANATA ON <i>Well ID: 7218163</i>	WSW/13.2	1.51	90
14	GEN	Ultra Electronics Canada Defence Inc.	88 Hines Road Ottawa ON	SE/34.9	0.54	94
14	GEN	Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	SE/34.9	0.54	94
14	GEN	Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	SE/34.9	0.54	95
15	CA	WILLIAM S. BURNSIDE (CANADA) LIMITED	88 HINES ROAD (SWM) KANATA ON K2K 2T8	SE/35.0	0.54	96
15	SCT	Flexus Electronics Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SE/35.0	0.54	96
15	SCT	Flexus Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	SE/35.0	0.54	96
15	GEN	Telemus Inc.	88 Hines Road Ottawa ON K2K 2T8	SE/35.0	0.54	96
15	SCT	Telemus Inc.	88 Hines Rd Kanata ON K2K 2T8	SE/35.0	0.54	97
15	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON	SE/35.0	0.54	97
15	SCT	Ultra Electronics	88 Hines Rd Kanata ON K2K 2T8	SE/35.0	0.54	98
15	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	SE/35.0	0.54	98

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
15	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	SE/35.0	0.54	99
15	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	SE/35.0	0.54	99
15	GEN	ULTRA ELECTRONICS	88 HINES RD OTTAWA ON K2K2T8	SE/35.0	0.54	100
15	GEN	954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2B8	SE/35.0	0.54	100
16	CA	KANATA RESEARCH PARK CORP.	TERRY FOX DR. MARCH RD. KANATA CITY ON	NNW/38.7	-2.54	101
16	CA	TAYSHAM INVESTORS INC.	MARCH ROAD, TERRY FOX DR. KANATA CITY ON	NNW/38.7	-2.54	101
16	SPL		Terry Fox and March Rd Ottawa ON	NNW/38.7	-2.54	101
17	SCT	L-D TOOL & DIE	93 HINES RD UNIT 1 KANATA ON K2K 2M5	SSW/42.1	2.54	102
17	SCT	L-D TOOL & DIE	93 HINES RD KANATA ON K2K 2M5	SSW/42.1	2.54	102
17	SCT	L-D Tool & Die Inc.	93 Hines Rd Kanata ON K2K 2M5	SSW/42.1	2.54	102
17	SCT	L-D Tool & Die Inc. - Div. of Madix Engineering Inc.	93 Hines Rd Unit 1 Kanata ON K2K 2M5	SSW/42.1	2.54	103
17	GEN	L-D TOOL & DIE.	93 HINES ROAD KANATA ON K2K 2M5	SSW/42.1	2.54	103
17	GEN	L-D TOOL & DIE	93 HINES ROAD KANATA ON K2K 2M5	SSW/42.1	2.54	103

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
17	GEN	Madix Engineering Inc	93 HINES ROAD KANATA ON K2K 2M5	SSW/42.1	2.54	103
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	104
17	SCT	CIMCO Refrigeration	93 Hines Rd Unit 7 Kanata ON K2K 2M5	SSW/42.1	2.54	104
17	SCT	Daltco Electric & Supply	93 Hines Rd Kanata ON K2K 2M5	SSW/42.1	2.54	104
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	104
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	105
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	105
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	105
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON	SSW/42.1	2.54	105
17	SPL	Cimco Refrigeration<UNOFFICIAL>	93 Hines Rd Ottawa ON	SSW/42.1	2.54	106
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	106
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	107
17	GEN	Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	107

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
17	GEN	Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	107
17	GEN	Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	108
17	GEN	Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	108
17	GEN	Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	SSW/42.1	2.54	108
18	SCT	CAPRICORN DATA	525 MARCH RD RR 33 KANATA ON K2K 2M5	ESE/43.5	-0.46	109
18	SCT	Capricorn Data Inc.	525 March Rd Kanata ON K2K 2M5	ESE/43.5	-0.46	109
19	SCT	WESCAR	95 HINES RD KANATA ON K2K 2M5	SSW/65.0	3.00	109
19	SCT	Wescar Corp.	95 Hines Rd Kanata ON K2K 2M5	SSW/65.0	3.00	109
19	GEN	WESCAR CORPORATION	95 HINES ROAD KANATA ON K2K 2M5	SSW/65.0	3.00	110
19	EBR	Wescar Corp.	93 & 95 Hines Rd Ottawa Ontario K2K 2M5 Ottawa ON	SSW/65.0	3.00	110
19	GEN	WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	SSW/65.0	3.00	110
19	GEN	WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	SSW/65.0	3.00	111
19	GEN	WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	SSW/65.0	3.00	112

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
19	GEN	WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	SSW/65.0	3.00	112
19	GEN	954050 ONTARIO INC.	95HINES RD KANATA ON	SSW/65.0	3.00	113
19	GEN	Flexus Electronics	95 Hines rd Kanata ON	SSW/65.0	3.00	113
19	GEN	954050 ONTARIO INC.	95HINES RD KANATA ON	SSW/65.0	3.00	114
19	GEN	Flexus Electronics	95 Hines rd Kanata ON	SSW/65.0	3.00	114
19	ECA	Wescar Corp.	93 & 95 Hines Rd Ottawa ON K2K 2M5	SSW/65.0	3.00	114
19	GEN	Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	SSW/65.0	3.00	115
19	GEN	Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	SSW/65.0	3.00	115
19	GEN	Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	SSW/65.0	3.00	115
19	GEN	Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	SSW/65.0	3.00	116
19	EHS		95 Hines Road Ottawa ON	SSW/65.0	3.00	116
19	GEN	Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	SSW/65.0	3.00	116
19	GEN	RBR Limited	95 Hines Road, Unit 5 Kanata ON K2K 2M5	SSW/65.0	3.00	117

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	SSW/65.0	3.00	117
19	GEN	Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	SSW/65.0	3.00	117
20	SCT	TeleWatch Monitoring Services	84 Hines Rd Suite 130 Kanata ON K2K 3G3	SE/112.9	-0.48	118
20	GEN	Metconnex Inc.	84 Hines Road Suite 260 Ottawa ON	SE/112.9	-0.48	118
20	SCT	Sidense Corp.	84 Hines Rd Suite 260 Kanata ON K2K 3G3	SE/112.9	-0.48	118
20	GEN	Skyworks Solutions (Test Lab)	84 Hines Rd, Suite 100 Kanata ON K2K 3G3	SE/112.9	-0.48	119
20	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	SE/112.9	-0.48	119
20	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	SE/112.9	-0.48	119
20	GEN	Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	SE/112.9	-0.48	119
21	EHS		80 Hines Road n/a ON K2K 2T8	SE/119.7	-0.76	120
21	GEN	AMCC	80 Hines Rd. Kanata ON K2K 2T8	SE/119.7	-0.76	120
22	EHS		600 March Road Kanata ON K2K 2T6	E/128.9	-3.88	120
23	EHS		700 March Road Ottawa ON	N/137.9	-3.42	121

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
24	SCT	NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2E6	ENE/142.0	-3.48	121
24	SCT	NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2T6	ENE/142.0	-3.48	121
24	SCT	Alcatel Canada Inc.	600 March Rd Kanata ON K2K 2T6	ENE/142.0	-3.48	121
24	GEN	ALCATEL CANADA INC.	600 MARCH ROAD KANATA ON K2K 2E6	ENE/142.0	-3.48	122
24	SCT	Alcatel-Lucent Canada Inc.	600 March Rd Kanata ON K2K 2T6	ENE/142.0	-3.48	122
24	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	ENE/142.0	-3.48	122
24	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	ENE/142.0	-3.48	123
24	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	ENE/142.0	-3.48	123
24	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	ENE/142.0	-3.48	123
24	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON	ENE/142.0	-3.48	124
24	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	ENE/142.0	-3.48	124
24	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	ENE/142.0	-3.48	125
24	GEN	ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	ENE/142.0	-3.48	126

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
24	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	ENE/142.0	-3.48	127
24	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	ENE/142.0	-3.48	128
24	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	ENE/142.0	-3.48	128
24	GEN	NOKIA CANADA	600 March Road Kanata ON K2K 2E6	ENE/142.0	-3.48	129
25	ECA	Innovation Blvd. I, LLC	383 Terry Fox Dr Ottawa ON 19801	WSW/149.5	3.54	130
25	ECA	Innovation Blvd. I, LLC	5050 Innovation Dr 383/385 Terry Fox Drive Ottawa ON 19801	WSW/149.5	3.54	131
25	ECA	Innovation Blvd. I, LLC	383 Terry Fox Dr Ottawa ON 19801	WSW/149.5	3.54	131
25	EHS		383 Terry Fox Dr Ottawa ON K2K0L1	WSW/149.5	3.54	131
26	CA	MKB RESTAURANTS (CS) LIMITED	700 MARCH ROAD KANATA CITY ON K2K 2V9	N/151.6	-4.22	131
26	GEN	RAJANS PHARMACIES LTD.	700 MARCH ROAD KANATA ON K2K 2V9	N/151.6	-4.22	132
26	SCT	Amika Mobile Corporation	700 March Rd Suite 203 Kanata ON K2K 2V9	N/151.6	-4.22	132
26	GEN	Kanata North Medical Centre	700 March Rd Kanata ON K2K 2V9	N/151.6	-4.22	132
27	EHS		1000 Innovation Drive Ottawa ON	S/172.7	-0.52	133

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	GEN	Entrust	1000 Innovation Drive Ottawa ON K2K 3E7	S/172.7	-0.52	133
27	EHS		1000 Innovation Drive Kanata (Ottawa) ON K2K 3E7	S/172.7	-0.52	133
27	EHS		1000 Innovation Drive Ottawa ON	S/172.7	-0.52	133
27	EBR	GE Canada Real Estate Equity Company	1000 Innovation Drive Ottawa K2K 3E7 CITY OF OTTAWA ON	S/172.7	-0.52	133
27	CA	GE Canada Real Estate Equity Company	1000 Innovation Dr Ottawa ON	S/172.7	-0.52	134
27	SCT	Plasco Energy Group Inc.	1000 Innovation Dr Suite 400 Kanata ON K2K 3E7	S/172.7	-0.52	134
27	EHS		1000 Innovation Drive Ottawa ON	S/172.7	-0.52	134
27	ECA	Innovation Blvd. I, LLC	1000 Innovation Dr Ottawa ON 19801	S/172.7	-0.52	135
27	ECA	GE Canada Real Estate Equity Company	1000 Innovation Dr Ottawa ON K1P 5V9	S/172.7	-0.52	135
27	GEN	COMINAR REAL ESTATE INVESTMENT TRUST	1000 Innovation Dr Ottawa ON K2K 3E7	S/172.7	-0.52	135
27	EHS		1000 Innovation Dr Ottawa ON K2K3E7	S/172.7	-0.52	135
27	GEN	Juniper Networks Canada Inc	1000 Innovation Drive Kanata ON K2K 3E7	S/172.7	-0.52	136
27	GEN	Juniper Networks Canada Inc	1000 Innovation Drive Kanata ON K2K 3E7	S/172.7	-0.52	136

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	GEN	Juniper Networks Canada Inc	1000 Innovation Drive Kanata ON K2K 3E7	S/172.7	-0.52	137
27	EHS		1000 Innovation Drive Kanata ON K2K 3E7	S/172.7	-0.52	137
28	EHS		70 Hines Rd. Kanata ON K2K 2M5	SE/181.4	-1.46	137
28	CA	2117547 Ontario Inc.	70 Hines Rd Ottawa ON	SE/181.4	-1.46	137
28	ECA	2117547 Ontario Inc.	70 Hines Rd Ottawa ON K2V 1B8	SE/181.4	-1.46	138
29	SPL	Rogers Communications Inc.	70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	SE/186.7	-1.43	138
30	EHS		1145 Innovation Drive Ottawa (Kanata) ON K2K 3G8	SSE/189.4	-1.49	139
31	CA	COLONNADE DEVELOPMENT INC.	60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	SE/210.8	-2.00	139
31	CA	COLONNADE DEVELOPMENT INC.	SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	SE/210.8	-2.00	139
32	EHS		1125-35-45 Innovation Drive Ottawa ON	SSE/211.0	-1.46	139
33	BORE		ON	W/221.0	4.54	140
34	PES	MAKE IT GREEN FLORIST LTD	10 ACKLAM TERR KANATA ON K2K2G9	WNW/222.2	1.22	141
35	PES	MAKE IT GREEN FLORIST LTD	10 ACKLAM TERR KANATA ON K2K 2G9	WNW/223.0	1.22	141

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
35	PES	MAKE IT GREEN FLORIST LTD	10 ACKLAM TERR KANATA ON K2K 2G9	WNW/223.0	1.22	141
36	SCT	SkyWave Mobile Communications	1145 Innovation Dr Suite 288 Kanata ON K2K 3G8	SSE/234.6	-1.45	142
36	EHS		1145 Innovation Drive Ottawa ON	SSE/234.6	-1.45	142
36	GEN	SKYWAVE MOBILE COMMUNICATIONS	1145 INNOVATION DRIVE SUITE 288 KANATA ON K2K 3G8	SSE/234.6	-1.45	142
36	GEN	SKYWAVE MOBILE COMMUNICATIONS	1145 INNOVATION DRIVE SUITE 288 KANATA ON K2K 3G8	SSE/234.6	-1.45	143
36	GEN	GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	SSE/234.6	-1.45	143
36	GEN	GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	SSE/234.6	-1.45	143
36	GEN	GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	SSE/234.6	-1.45	143
36	GEN	GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	SSE/234.6	-1.45	144
36	GEN	GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	SSE/234.6	-1.45	144
37	SCT	Texas Instruments Canada Ltd.	505 March Rd Suite 200 Ottawa ON K2K 3A4	ESE/238.8	-2.37	144
37	EHS		505 March Road Ottawa ON	ESE/238.8	-2.37	144
37	SCT	Texas Instruments Canada Ltd.	505 March Rd Suite 200 Kanata ON K2K 3A4	ESE/238.8	-2.37	145

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
37	SCT	Telus Health Solutions Inc.	505 March Rd Suite 450 Kanata ON K2K 3A4	ESE/238.8	-2.37	145
37	SPL	Colonnade Management<UNOFFICIAL>	505 March Road Ottawa ON K2K 3A4	ESE/238.8	-2.37	145
38	EHS		710 March Road Kanata ON K2K 2V9	NNW/241.8	-4.03	146
39	EHS		706, 710, and 714 March Road Ottawa ON K2K 2R9	NNW/244.9	-4.51	146
40	EHS		1125 Innovation Drive Ottawa ON	SSE/251.9	-1.46	146
41	SCT	EXCALIBUR SYSTEMS LTD.	50 Hines Rd Kanata ON K2K 2M5	SE/253.2	-2.53	146
41	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	SE/253.2	-2.53	147
41	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	SE/253.2	-2.53	147
41	GEN	HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	SE/253.2	-2.53	147
41	SCT	DRS EW & Network Systems	50 Hines Rd Kanata ON K2K 2M5	SE/253.2	-2.53	148
41	SCT	WorkDynamics Technologies	50 Hines Rd Suite 220 Kanata ON K2K 2M5	SE/253.2	-2.53	148
41	EBR	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	SE/253.2	-2.53	148
41	SCT	Power Integrations Canada Inc.	50 Hines Rd Suite 240 Kanata ON K2K 2M5	SE/253.2	-2.53	149

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
41	SCT	OneChip Photonics Inc.	50 Hines Rd Suite 200 Kanata ON K2K 2M5	SE/253.2	-2.53	149
41	EBR	Cyrium Technologies Incorporated	50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA ON	SE/253.2	-2.53	149
41	CA	Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	SE/253.2	-2.53	149
41	CA	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON	SE/253.2	-2.53	150
41	SCT	Merge Healthcare Incorporated	50 Hines Rd Suite 120 Kanata ON K2K 2M5	SE/253.2	-2.53	150
41	GEN	GaN Systems Inc.	50 Hines road, suite 204 Ottawa ON	SE/253.2	-2.53	150
41	ECA	Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	SE/253.2	-2.53	151
41	ECA	DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON K2K 2M5	SE/253.2	-2.53	151
42	GEN	Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	WSW/267.7	4.54	151
42	EASR	CIENA CANADA, INC.	385 TERRY FOX DR KANATA ON K2K 0L1	WSW/267.7	4.54	152
42	GEN	Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	WSW/267.7	4.54	152
42	GEN	Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	WSW/267.7	4.54	153
42	GEN	Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	WSW/267.7	4.54	153

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
43	EHS		535 Legget Drive Kanata ON K2K 3B8	E/268.7	-5.46	154
44	GEN	6920055 Canada Inc. dba One Call Services 6920055 Canada Inc. dba One Call	Services 31 Collingwood Crescent Kanata ON K2K 2G8	W/269.4	4.54	154
45	GEN	Skyworks Solutions	1135 Innovation Drive Ottawa ON K2K 3G7	SSE/275.6	-1.46	154
45	GEN	Skyworks Solutions	1135 Innovation Drive Ottawa ON K2K 3G7	SSE/275.6	-1.46	155
45	GEN	Skyworks Solutions	1135 Innovation Drive Ottawa ON K2K 3G7	SSE/275.6	-1.46	155
46	CA	MINTO DEVELOPMENTS INC.	LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	ENE/277.9	-6.15	155
47	EHS		1125 Innovation Dr Kanata ON K2K 3G6	SSE/284.8	-1.46	156
48	WWIS		706 MARCH ROAD lot 9 con 4 Ottawa ON <i>Well ID: 7328001</i>	NNW/286.9	-4.46	156
49	FSTH	964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	NNW/287.1	-3.37	159
49	SPL		21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL> Ottawa ON K2L 1A1	NNW/287.1	-3.37	159
49	FSTH	964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	NNW/287.1	-3.37	160
49	CA	Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON	NNW/287.1	-3.37	160

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
49	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA ON K2K 2R9	NNW/287.1	-3.37	161
49	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	161
49	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	162
49	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	162
49	FST	2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	163
49	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	163
49	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	164
49	DTNK	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	164
49	SPL	Shell Station<UNOFFICIAL>	720 March Rd Ottawa ON	NNW/287.1	-3.37	165
49	ECA	Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON M2N 6Y2	NNW/287.1	-3.37	166
49	FST	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	166
49	DTNK		720 MARCH RD KANATA ON K2K 2R9	NNW/287.1	-3.37	166
49	FST	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	167

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
49	FST	SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	NNW/287.1	-3.37	167
50	EHS		535 Legget Drive Kanata ON K2K 3B8	E/287.4	-5.73	168
50	CA	Nortel Networks Corporation	535 Legget Drive Ottawa ON	E/287.4	-5.73	168
50	CA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON	E/287.4	-5.73	168
50	SCT	Mead Johnson Nutritionals	535 Legget Dr Unit 900 Kanata ON K2K 3B8	E/287.4	-5.73	169
50	SCT	PIKA Technologies Inc.	535 Legget Dr Suite 400 Kanata ON K2K 3B8	E/287.4	-5.73	169
50	SCT	Solace Systems Inc.	535 Legget Dr Floor 3 Kanata ON K2K 3B8	E/287.4	-5.73	169
50	NPRI	KANATA RESEARCH PARK	535 LEGGET Drive KANATA ON K2K3B8	E/287.4	-5.73	170
50	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	E/287.4	-5.73	172
50	ECA	Nortel Networks Corporation	535 Legget Drive Ottawa ON K2H 8E9	E/287.4	-5.73	172
50	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	E/287.4	-5.73	173
50	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	E/287.4	-5.73	173
50	ECA	Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	E/287.4	-5.73	173

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
50	GEN	Intel of Canada, Ltd.	535 Legget Drive Suite 206 Kanata ON K2K 3B8	E/287.4	-5.73	174
51	EHS		119 Hines Road Kanata ON	SW/292.0	3.54	174
52	SCT	NOKIA IP TELEPHONY CORPORATION	555 LEGGET DR SUITE 400 KANATA ON K2K 2X3	ENE/295.5	-6.32	174
52	SCT	NOKIA	555 Legget Dr Suite 400 Kanata ON K2K 2X3	ENE/295.5	-6.32	174
52	SCT	March Networks	555 Legget Dr Suite 140 Kanata ON K2K 2X3	ENE/295.5	-6.32	175
52	GEN	TELEXIS CORPORATION	555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3	ENE/295.5	-6.32	175
52	GEN	PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3	ENE/295.5	-6.32	176
52	GEN	PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3	ENE/295.5	-6.32	176
52	SCT	March Networks Corporation	555 Legget Dr Ottawa ON K2K 2X3	ENE/295.5	-6.32	176
52	SCT	March Networks Corporation	555 Legget Dr Suite 530 Kanata ON K2K 2X3	ENE/295.5	-6.32	176
52	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	ENE/295.5	-6.32	177
52	SCT	Redirack Storage Systems	555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	ENE/295.5	-6.32	178
52	GEN	March Networks	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	178

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
52	CA	Kanata Research Park Corporation	555 Legget Drive Ottawa ON	ENE/295.5	-6.32	179
52	SCT	Netistix Technologies Corp	555 Legget Dr Suite 304 Kanata ON K2K 2X3	ENE/295.5	-6.32	179
52	SCT	Sch Specialty Literacy/Interve	555 Legget Dr Suite 900 Kanata ON K2K 2X3	ENE/295.5	-6.32	179
52	SCT	Redirack Storage Systems	555 Legget Dr Suite 1007 Kanata ON K2K 2X3	ENE/295.5	-6.32	180
52	SCT	Mediphan Inc.	555 Legget Dr Suite 305 Ottawa ON K2K 2X3	ENE/295.5	-6.32	180
52	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	ENE/295.5	-6.32	181
52	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	ENE/295.5	-6.32	181
52	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	ENE/295.5	-6.32	182
52	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	ENE/295.5	-6.32	183
52	NPRI	KANATA RESEARCH PARK	555 LEGGET Drive KANATA ON K2K2X3	ENE/295.5	-6.32	184
52	GEN	KRP Management Services Inc.	555 Legget Drive Ottawa ON	ENE/295.5	-6.32	186
52	EHS		555 Legget Dr Ottawa ON K2K2X3	ENE/295.5	-6.32	187
52	EHS		555 Legget Dr Ottawa ON K2K2X3	ENE/295.5	-6.32	187

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
52	ECA	Kanata Research Park Corporation	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	187
52	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	188
52	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	188
52	GEN	Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	189
52	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	190
52	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	191
52	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	192
52	GEN	KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	ENE/295.5	-6.32	193
53	EHS		4000 Innovation Dr Ottawa ON K2K3K1	WSW/296.3	3.54	194

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	0.0	<u>2</u>
	ON	0.0	<u>9</u>
	ON	221.0	<u>33</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 20 CA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
NEWBRIDGE NETWORKS CORP. - 8-4051-90	603 MARCH ROAD (8-4053-90) KANATA CITY ON K2K 2M5	0.0	<u>10</u>
NEWBRIDGE NETWORKS CORP. - 8-4053-90	603 MARCH ROAD (8-4051-90) KANATA CITY ON K2K 2M5	0.0	<u>10</u>
NEWBRIDGE NETWORKS CORP. - 8-4052-90	603 MARCH ROAD (8-4054-90) KANATA CITY ON K2K 2M5	0.0	<u>10</u>
	603 March Road Kanata ON K2K 2M5	0.0	<u>10</u>
NEWBRIDGE NETWORKS CORP. 8-4052-90	603 MARCH ROAD KANATA CITY ON K2K 2M5	0.0	<u>10</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
WILLIAM S. BURNSIDE (CANADA) LIMITED	88 HINES ROAD (SWM) KANATA ON K2K 2T8	35.0	<u>15</u>
KANATA RESEARCH PARK CORP.	TERRY FOX DR. MARCH RD. KANATA CITY ON	38.7	<u>16</u>
TAYSHAM INVESTORS INC.	MARCH ROAD, TERRY FOX DR. KANATA CITY ON	38.7	<u>16</u>
MKB RESTAURANTS (CS) LIMITED	700 MARCH ROAD KANATA CITY ON K2K 2V9	151.6	<u>26</u>
GE Canada Real Estate Equity Company	1000 Innovation Dr Ottawa ON	172.7	<u>27</u>
2117547 Ontario Inc.	70 Hines Rd Ottawa ON	181.4	<u>28</u>
COLONNADE DEVELOPMENT INC.	60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	210.8	<u>31</u>
COLONNADE DEVELOPMENT INC.	SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	210.8	<u>31</u>
Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	253.2	<u>41</u>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON	253.2	<u>41</u>
MINTO DEVELOPMENTS INC.	LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	277.9	<u>46</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON	287.1	49
Nortel Networks Corporation	535 Legget Drive Ottawa ON	287.4	50
Kanata Research Park Corporation	535 Legget Drive Ottawa ON	287.4	50
Kanata Research Park Corporation	555 Legget Drive Ottawa ON	295.5	52

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Feb 28, 2022 has found that there are 5 DTNK site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA ON K2K 2R9	287.1	49
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
	720 MARCH RD KANATA ON K2K 2R9	287.1	49
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Apr 30, 2022 has found that there are 1 EASR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CIENA CANADA, INC.	385 TERRY FOX DR KANATA ON K2K 0L1	267.7	42

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Apr 30, 2022 has found that there are 4 EBR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Wescar Corp.	93 & 95 Hines Rd Ottawa Ontario K2K 2M5 Ottawa ON	65.0	19
GE Canada Real Estate Equity Company	1000 Innovation Drive Ottawa K2K 3E7 CITY OF OTTAWA ON	172.7	27
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	253.2	41
Cyrium Technologies Incorporated	50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA ON	253.2	41

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Apr 30, 2022 has found that there are 17 ECA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
D.I.R. Investments Inc.	Ottawa ON K0A 1A0	0.0	6
Wescar Corp.	93 & 95 Hines Rd Ottawa ON K2K 2M5	65.0	19
Innovation Blvd. I, LLC	5050 Innovation Dr 383/385 Terry Fox Drive Ottawa ON 19801	149.5	25

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Innovation Blvd. I, LLC	383 Terry Fox Dr Ottawa ON 19801	149.5	<u>25</u>
Innovation Blvd. I, LLC	383 Terry Fox Dr Ottawa ON 19801	149.5	<u>25</u>
GE Canada Real Estate Equity Company	1000 Innovation Dr Ottawa ON K1P 5V9	172.7	<u>27</u>
Innovation Blvd. I, LLC	1000 Innovation Dr Ottawa ON 19801	172.7	<u>27</u>
2117547 Ontario Inc.	70 Hines Rd Ottawa ON K2V 1B8	181.4	<u>28</u>
DRS EW & Network Systems (Canada) Ltd.	50 Hines Road, Suite 200 Ottawa ON K2K 2M5	253.2	<u>41</u>
Cyrium Technologies Incorporated	50 Hines Rd Kanata Ottawa ON	253.2	<u>41</u>
Shell Canada OP Inc. and Shell Canada Products Limited	720 March Road Ottawa ON M2N 6Y2	287.1	<u>49</u>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	287.4	<u>50</u>
Nortel Networks Corporation	535 Legget Drive Ottawa ON K2H 8E9	287.4	<u>50</u>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	287.4	<u>50</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	287.4	50
Kanata Research Park Corporation	535 Legget Drive Ottawa ON K2K 2X3	287.4	50
Kanata Research Park Corporation	555 Legget Drive Ottawa ON K2K 2X3	295.5	52

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2022 has found that there are 32 EHS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	591 March Road Kanata ON K2K 2M5	0.0	1
	591 March Rd Ottawa ON K2K2M5	0.0	1
	595 March Road, Block E Kanata ON	0.0	5
	555 March Road Ottawa (Kanata) ON	0.0	7
	603 March Rd Kanata ON K2K 2M5	0.0	10
	603 March Road Kanata ON K2K 2M5	0.0	10
	95 Hines Road Ottawa ON	65.0	19

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	80 Hines Road n/a ON K2K 2T8	119.7	<u>21</u>
	600 March Road Kanata ON K2K 2T6	128.9	<u>22</u>
	700 March Road Ottawa ON	137.9	<u>23</u>
	383 Terry Fox Dr Ottawa ON K2K0L1	149.5	<u>25</u>
	1000 Innovation Drive Kanata ON K2K 3E7	172.7	<u>27</u>
	1000 Innovation Dr Ottawa ON K2K3E7	172.7	<u>27</u>
	1000 Innovation Drive Ottawa ON	172.7	<u>27</u>
	1000 Innovation Drive Ottawa ON	172.7	<u>27</u>
	1000 Innovation Drive Kanata (Ottawa) ON K2K 3E7	172.7	<u>27</u>
	1000 Innovation Drive Ottawa ON	172.7	<u>27</u>
	70 Hines Rd. Kanata ON K2K 2M5	181.4	<u>28</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1145 Innovation Drive Ottawa (Kanata) ON K2K 3G8	189.4	<u>30</u>
	1125-35-45 Innovation Drive Ottawa ON	211.0	<u>32</u>
	1145 Innovation Drive Ottawa ON	234.6	<u>36</u>
	505 March Road Ottawa ON	238.8	<u>37</u>
	710 March Road Kanata ON K2K 2V9	241.8	<u>38</u>
	706, 710, and 714 March Road Ottawa ON K2K 2R9	244.9	<u>39</u>
	1125 Innovation Drive Ottawa ON	251.9	<u>40</u>
	535 Legget Drive Kanata ON K2K 3B8	268.7	<u>43</u>
	1125 Innovation Dr Kanata ON K2K 3G6	284.8	<u>47</u>
	535 Legget Drive Kanata ON K2K 3B8	287.4	<u>50</u>
	119 Hines Road Kanata ON	292.0	<u>51</u>
	555 Legget Dr Ottawa ON K2K2X3	295.5	<u>52</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	555 Legget Dr Ottawa ON K2K2X3	295.5	52
	4000 Innovation Dr Ottawa ON K2K3K1	296.3	53

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2022 has found that there are 7 FST site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
2643320 ONTARIO INC.	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49
SUNCOR ENERGY PRODUCTS INC	720 MARCH RD KANATA K2K 2R9 ON CA ON	287.1	49

FSTH - Fuel Storage Tank - Historic

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	287.1	<u>49</u>
964299 ONTARIO INC O/A ROB'S SHELL	720 MARCH RD KANATA ON K2K 2R9	287.1	<u>49</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Feb 28, 2022 has found that there are 125 GEN site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MILLER'S QUALITY DRY CLEANERS	591 MARCH ROAD KANATA ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
March Veterinary Professional Corporation	591 March Road Kanata ON K2K 2M5	0.0	<u>1</u>
TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	0.0	<u>10</u>
TRILLIUM TELEPHONE SYSTEMS INC.	603 MARCH ROAD KANATA ON K2K 2M5	0.0	<u>10</u>
TRILLIUM TELEPHONE SYSTEMS INC. 38-102	603 MARCH ROAD KANATA ON K2K 2M5	0.0	<u>10</u>
TRILLIUM TELEPHONE (OUT OF BUS)	603 MARCH ROAD KANATA ON K2K 2M5	0.0	<u>10</u>
NEWBRIDGE NETWORKS CORPORATION 28-807	603 MARCH ROAD C/O 600 MARCH RD., P. O.BOX 13600 KANATA ON K2K 2M5	0.0	<u>10</u>

Site	Address	Distance (m)	Map Key
Tundra Semiconductor Corporation	603 March Road Kanata ON K2K 2M5	0.0	10
Ultra Electronics Canada Defence Inc.	88 Hines Road Ottawa ON	34.9	14
Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	34.9	14
Ultra Electronics TCS Inc.	88 Hines Road Ottawa ON	34.9	14
Telemus Inc.	88 Hines Road Ottawa ON K2K 2T8	35.0	15
954050 ONTARIO INC.	88 HINES RD KANATA ON	35.0	15
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	35.0	15
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	35.0	15
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2T8	35.0	15
ULTRA ELECTRONICS	88 HINES RD OTTAWA ON K2K2T8	35.0	15
954050 ONTARIO INC.	88 HINES RD KANATA ON K2K 2B8	35.0	15
L-D TOOL & DIE.	93 HINES ROAD KANATA ON K2K 2M5	42.1	17

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
L-D TOOL & DIE	93 HINES ROAD KANATA ON K2K 2M5	42.1	<u>17</u>
Madix Engineering Inc	93 HINES ROAD KANATA ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>
Cimco Refrigeration	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	<u>17</u>

Site	Address	Distance (m)	Map Key
Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	17
Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	17
Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	17
Cimco Refrigeration Toromont Industries	93 Hines Road, Unit # 7 Kanata ON K2K 2M5	42.1	17
WESCAR CORPORATION	95 HINES ROAD KANATA ON K2K 2M5	65.0	19
WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	65.0	19
WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	65.0	19
WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	65.0	19
WESCAR CORP.	95 Hines Road KANATA ON K2K 2M5	65.0	19
954050 ONTARIO INC.	95HINES RD KANATA ON	65.0	19
Flexus Electronics	95 Hines rd Kanata ON	65.0	19
954050 ONTARIO INC.	95HINES RD KANATA ON	65.0	19

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Flexus Electronics	95 Hines rd Kanata ON	65.0	<u>19</u>
Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	65.0	<u>19</u>
Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	65.0	<u>19</u>
Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	65.0	<u>19</u>
Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	65.0	<u>19</u>
Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	65.0	<u>19</u>
RBR Limited	95 Hines Road, Unit 5 Kanata ON K2K 2M5	65.0	<u>19</u>
Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	65.0	<u>19</u>
Flexus Electronics	95 Hines rd Kanata ON K2K 2M5	65.0	<u>19</u>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	112.9	<u>20</u>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	112.9	<u>20</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Skyworks Solutions Inc	100-84 Hines Road Kanata ON K2K 3G3	112.9	<u>20</u>
Metconnex Inc.	84 Hines Road Suite 260 Ottawa ON	112.9	<u>20</u>
Skyworks Solutions (Test Lab)	84 Hines Rd, Suite 100 Kanata ON K2K 3G3	112.9	<u>20</u>
AMCC	80 Hines Rd. Kanata ON K2K 2T8	119.7	<u>21</u>
ALCATEL CANADA INC.	600 MARCH ROAD KANATA ON K2K 2E6	142.0	<u>24</u>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	142.0	<u>24</u>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	142.0	<u>24</u>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	142.0	<u>24</u>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2T6	142.0	<u>24</u>
ALCATEL CANADA INC.	600 March Road Kanata ON	142.0	<u>24</u>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	142.0	<u>24</u>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	142.0	<u>24</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ALCATEL CANADA INC.	600 March Road Kanata ON K2K 2E6	142.0	<u>24</u>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	142.0	<u>24</u>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	142.0	<u>24</u>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	142.0	<u>24</u>
NOKIA CANADA	600 March Road Kanata ON K2K 2E6	142.0	<u>24</u>
RAJANS PHARMACIES LTD.	700 MARCH ROAD KANATA ON K2K 2V9	151.6	<u>26</u>
Kanata North Medical Centre	700 March Rd Kanata ON K2K 2V9	151.6	<u>26</u>
Entrust	1000 Innovation Drive Ottawa ON K2K 3E7	172.7	<u>27</u>
COMINAR REAL ESTATE INVESTMENT TRUST	1000 Innovation Dr Ottawa ON K2K 3E7	172.7	<u>27</u>
Juniper Networks Canada Inc	1000 Innovation Drive Kanata ON K2K 3E7	172.7	<u>27</u>
Juniper Networks Canada Inc	1000 Innovation Drive Kanata ON K2K 3E7	172.7	<u>27</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Juniper Networks Canada Inc	1000 Innovation Drive Kanata ON K2K 3E7	172.7	<u>27</u>
SKYWAVE MOBILE COMMUNICATIONS	1145 INNOVATION DRIVE SUITE 288 KANATA ON K2K 3G8	234.6	<u>36</u>
SKYWAVE MOBILE COMMUNICATIONS	1145 INNOVATION DRIVE SUITE 288 KANATA ON K2K 3G8	234.6	<u>36</u>
GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	234.6	<u>36</u>
GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	234.6	<u>36</u>
GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	234.6	<u>36</u>
GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	234.6	<u>36</u>
GAN SYSTEMS	1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	234.6	<u>36</u>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	253.2	<u>41</u>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	253.2	<u>41</u>
HUBER & SUHNER CANADA	50 HINES ROAD KANATA ON K2K 2M5	253.2	<u>41</u>
GaN Systems Inc.	50 Hines road, suite 204 Ottawa ON	253.2	<u>41</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	267.7	<u>42</u>
Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	267.7	<u>42</u>
Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	267.7	<u>42</u>
Ciena Corporation	385 Terry Fox Drive Ottawa ON K2K 0L1	267.7	<u>42</u>
6920055 Canada Inc. dba One Call Services 6920055 Canada Inc. dba One Call	Services 31 Collingwood Crescent Kanata ON K2K 2G8	269.4	<u>44</u>
Skyworks Solutions	1135 Innovation Drive Ottawa ON K2K 3G7	275.6	<u>45</u>
Skyworks Solutions	1135 Innovation Drive Ottawa ON K2K 3G7	275.6	<u>45</u>
Skyworks Solutions	1135 Innovation Drive Ottawa ON K2K 3G7	275.6	<u>45</u>
Intel of Canada, Ltd.	535 Legget Drive Suite 206 Kanata ON K2K 3B8	287.4	<u>50</u>
TELEXIS CORPORATION	555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3	295.5	<u>52</u>
PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3	295.5	<u>52</u>

Site	Address	Distance (m)	Map Key
PULSE CANADA LTD.	555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3	295.5	52
KRP Management Services Inc.	555 Legget Drive Ottawa ON	295.5	52
March Networks	555 Legget Drive Ottawa ON K2K 2X3	295.5	52
KRP Management Services Inc.	555 Legget Drive Ottawa ON	295.5	52
KRP Management Services Inc.	555 Legget Drive Ottawa ON	295.5	52
KRP Management Services Inc.	555 Legget Drive Ottawa ON	295.5	52
KRP Management Services Inc.	555 Legget Drive Ottawa ON	295.5	52
KRP Management Services Inc.	555 Legget Drive Ottawa ON	295.5	52
KRP Management Services Inc.	555 Legget Drive Ottawa ON	295.5	52
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	295.5	52
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	295.5	52
Kanata Research Park Corp.	555 Legget Drive Ottawa ON K2K 2X3	295.5	52
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	295.5	52

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	295.5	52
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	295.5	52
KRP Properties A Division of Wesley Clover Interna	555 Legget Drive Ottawa ON K2K 2X3	295.5	52

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 2 NPRI site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
KANATA RESEARCH PARK	535 LEGGET Drive KANATA ON K2K3B8	287.4	50
KANATA RESEARCH PARK	555 LEGGET Drive KANATA ON K2K2X3	295.5	52

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Apr 30, 2022 has found that there are 3 PES site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MAKE IT GREEN FLORIST LTD	10 ACKLAM TERR KANATA ON K2K2G9	222.2	34
MAKE IT GREEN FLORIST LTD	10 ACKLAM TERR KANATA ON K2K 2G9	223.0	35
MAKE IT GREEN FLORIST LTD	10 ACKLAM TERR KANATA ON K2K 2G9	223.0	35

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 54 SCT site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ROHDE & SCHWARZ CANADA	555 MARCH RD KANATA ON K2K 2M5	0.0	<u>7</u>
Rohde & Schwarz Canada Inc.	555 March Rd Kanata ON K2K 2M5	0.0	<u>7</u>
Locality	555 March Rd Kanata ON K2K 2M5	0.0	<u>7</u>
Local City Inc.	555 March Rd Kanata ON K2K 2M5	0.0	<u>7</u>
ASAP-CD Solutions	555 March Rd Ottawa ON K2K 2M5	0.0	<u>7</u>
TEKTRONIX CANADA INC.	555 MARCH RD KANATA ON K2K 2M5	0.0	<u>7</u>
TUNDRA SEMICONDUCTORS CORPORAT	603 MARCH RD KANATA ON K2K 2M5	0.0	<u>10</u>
Tundra Semiconductor Corp	603 March Rd Kanata ON K2K 2M5	0.0	<u>10</u>
IDT Canada	603 March Rd Kanata ON K2K 2M5	0.0	<u>10</u>

Site	Address	Distance (m)	Map Key
Flexus Electronics Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	35.0	15
Flexus Inc.	88 Hines Rd Bay 5-6 Kanata ON K2K 2T8	35.0	15
Telemus Inc.	88 Hines Rd Kanata ON K2K 2T8	35.0	15
Ultra Electronics	88 Hines Rd Kanata ON K2K 2T8	35.0	15
L-D TOOL & DIE	93 HINES RD UNIT 1 KANATA ON K2K 2M5	42.1	17
L-D TOOL & DIE	93 HINES RD KANATA ON K2K 2M5	42.1	17
L-D Tool & Die Inc.	93 Hines Rd Kanata ON K2K 2M5	42.1	17
L-D Tool & Die Inc. - Div. of Madix Engineering Inc.	93 Hines Rd Unit 1 Kanata ON K2K 2M5	42.1	17
CIMCO Refrigeration	93 Hines Rd Unit 7 Kanata ON K2K 2M5	42.1	17
Daltco Electric & Supply	93 Hines Rd Kanata ON K2K 2M5	42.1	17
CAPRICORN DATA	525 MARCH RD RR 33 KANATA ON K2K 2M5	43.5	18
Capricorn Data Inc.	525 March Rd Kanata ON K2K 2M5	43.5	18

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
WESCAR	95 HINES RD KANATA ON K2K 2M5	65.0	<u>19</u>
Wescar Corp.	95 Hines Rd Kanata ON K2K 2M5	65.0	<u>19</u>
TeleWatch Monitoring Services	84 Hines Rd Suite 130 Kanata ON K2K 3G3	112.9	<u>20</u>
Sidense Corp.	84 Hines Rd Suite 260 Kanata ON K2K 3G3	112.9	<u>20</u>
NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2E6	142.0	<u>24</u>
NEWBRIDGE NETWORK CORPORATION	600 MARCH RD KANATA ON K2K 2T6	142.0	<u>24</u>
Alcatel Canada Inc.	600 March Rd Kanata ON K2K 2T6	142.0	<u>24</u>
Alcatel-Lucent Canada Inc.	600 March Rd Kanata ON K2K 2T6	142.0	<u>24</u>
Amika Mobile Corporation	700 March Rd Suite 203 Kanata ON K2K 2V9	151.6	<u>26</u>
Plasco Energy Group Inc.	1000 Innovation Dr Suite 400 Kanata ON K2K 3E7	172.7	<u>27</u>
SkyWave Mobile Communications	1145 Innovation Dr Suite 288 Kanata ON K2K 3G8	234.6	<u>36</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Texas Instruments Canada Ltd.	505 March Rd Suite 200 Ottawa ON K2K 3A4	238.8	<u>37</u>
Texas Instruments Canada Ltd.	505 March Rd Suite 200 Kanata ON K2K 3A4	238.8	<u>37</u>
Telus Health Solutions Inc.	505 March Rd Suite 450 Kanata ON K2K 3A4	238.8	<u>37</u>
EXCALIBUR SYSTEMS LTD.	50 Hines Rd Kanata ON K2K 2M5	253.2	<u>41</u>
DRS EW & Network Systems	50 Hines Rd Kanata ON K2K 2M5	253.2	<u>41</u>
WorkDynamics Technologies	50 Hines Rd Suite 220 Kanata ON K2K 2M5	253.2	<u>41</u>
Power Integrations Canada Inc.	50 Hines Rd Suite 240 Kanata ON K2K 2M5	253.2	<u>41</u>
OneChip Photonics Inc.	50 Hines Rd Suite 200 Kanata ON K2K 2M5	253.2	<u>41</u>
Merge Healthcare Incorporated	50 Hines Rd Suite 120 Kanata ON K2K 2M5	253.2	<u>41</u>
Mead Johnson Nutritionals	535 Legget Dr Unit 900 Kanata ON K2K 3B8	287.4	<u>50</u>
PIKA Technologies Inc.	535 Legget Dr Suite 400 Kanata ON K2K 3B8	287.4	<u>50</u>
Solace Systems Inc.	535 Legget Dr Floor 3 Kanata ON K2K 3B8	287.4	<u>50</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Mediphan Inc.	555 Legget Dr Suite 305 Ottawa ON K2K 2X3	295.5	52
Redirack Storage Systems	555 Legget Dr Suite 1007 Kanata ON K2K 2X3	295.5	52
Sch Specialty Literacy/Interve	555 Legget Dr Suite 900 Kanata ON K2K 2X3	295.5	52
Netistix Technologies Corp	555 Legget Dr Suite 304 Kanata ON K2K 2X3	295.5	52
Redirack Storage Systems	555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	295.5	52
March Networks Corporation	555 Legget Dr Suite 530 Kanata ON K2K 2X3	295.5	52
NOKIA IP TELEPHONY CORPORATION	555 LEGGET DR SUITE 400 KANATA ON K2K 2X3	295.5	52
NOKIA	555 Legget Dr Suite 400 Kanata ON K2K 2X3	295.5	52
March Networks	555 Legget Dr Suite 140 Kanata ON K2K 2X3	295.5	52
March Networks Corporation	555 Legget Dr Ottawa ON K2K 2X3	295.5	52

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 6 SPL site(s) within approximately 0.30 kilometers of the project property.

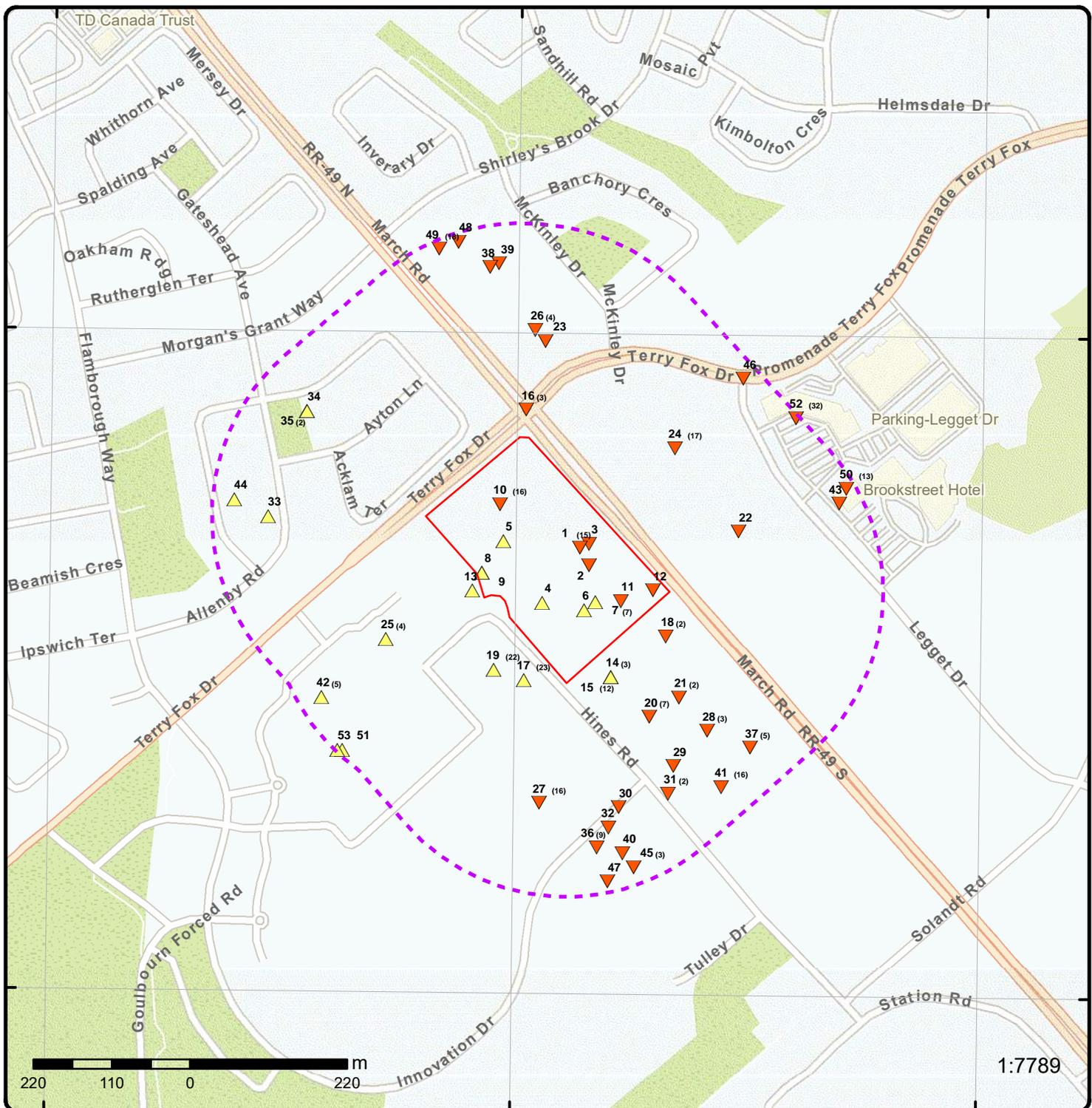
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Terry Fox and March Rd Ottawa ON	38.7	<u>16</u>
Cimco Refrigeration<UNOFFICIAL>	93 Hines Rd Ottawa ON	42.1	<u>17</u>
Rogers Communications Inc.	70 Hines Rd.; 70 Hines Rd Ottawa; Ottawa ON K2K 2M5	186.7	<u>29</u>
Colonnade Management<UNOFFICIAL>	505 March Road Ottawa ON K2K 3A4	238.8	<u>37</u>
Shell Station<UNOFFICIAL>	720 March Rd Ottawa ON	287.1	<u>49</u>
	21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL> Ottawa ON K2L 1A1	287.1	<u>49</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Sep 30, 2021 has found that there are 7 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 9 con 3 ON <i>Well ID:</i> 1510215	0.0	<u>3</u>
	591 MARCH ROAD lot 9 con 3 KANATA ON <i>Well ID:</i> 7151742	0.0	<u>4</u>
	lot 9 con 3 ON <i>Well ID:</i> 1503346	0.0	<u>8</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 9 con 3 ON <i>Well ID:</i> 1503344	0.0	<u>11</u>
	lot 9 con 3 ON <i>Well ID:</i> 1503345	0.0	<u>12</u>
	O HINES DRIVE KANATA ON <i>Well ID:</i> 7218163	13.2	<u>13</u>
	706 MARCH ROAD lot 9 con 4 Ottawa ON <i>Well ID:</i> 7328001	286.9	<u>48</u>



Map: 0.3 Kilometer Radius

Order Number: 22051300303

Address: 555, 591, 595, and 603 March Road, Kanata, ON

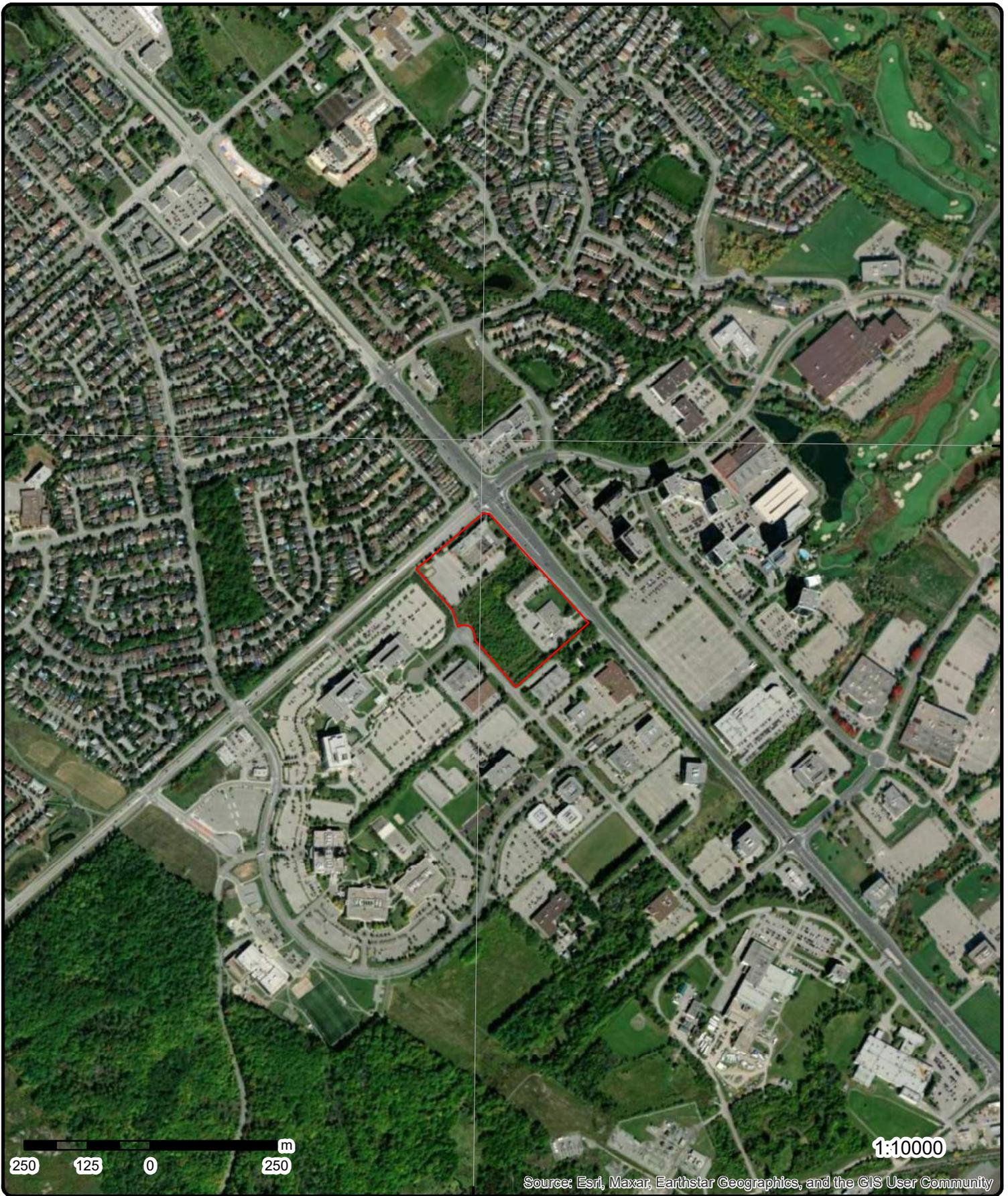


Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)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

75°55'30"W

45°21'N

45°21'N



Aerial Year: 2021

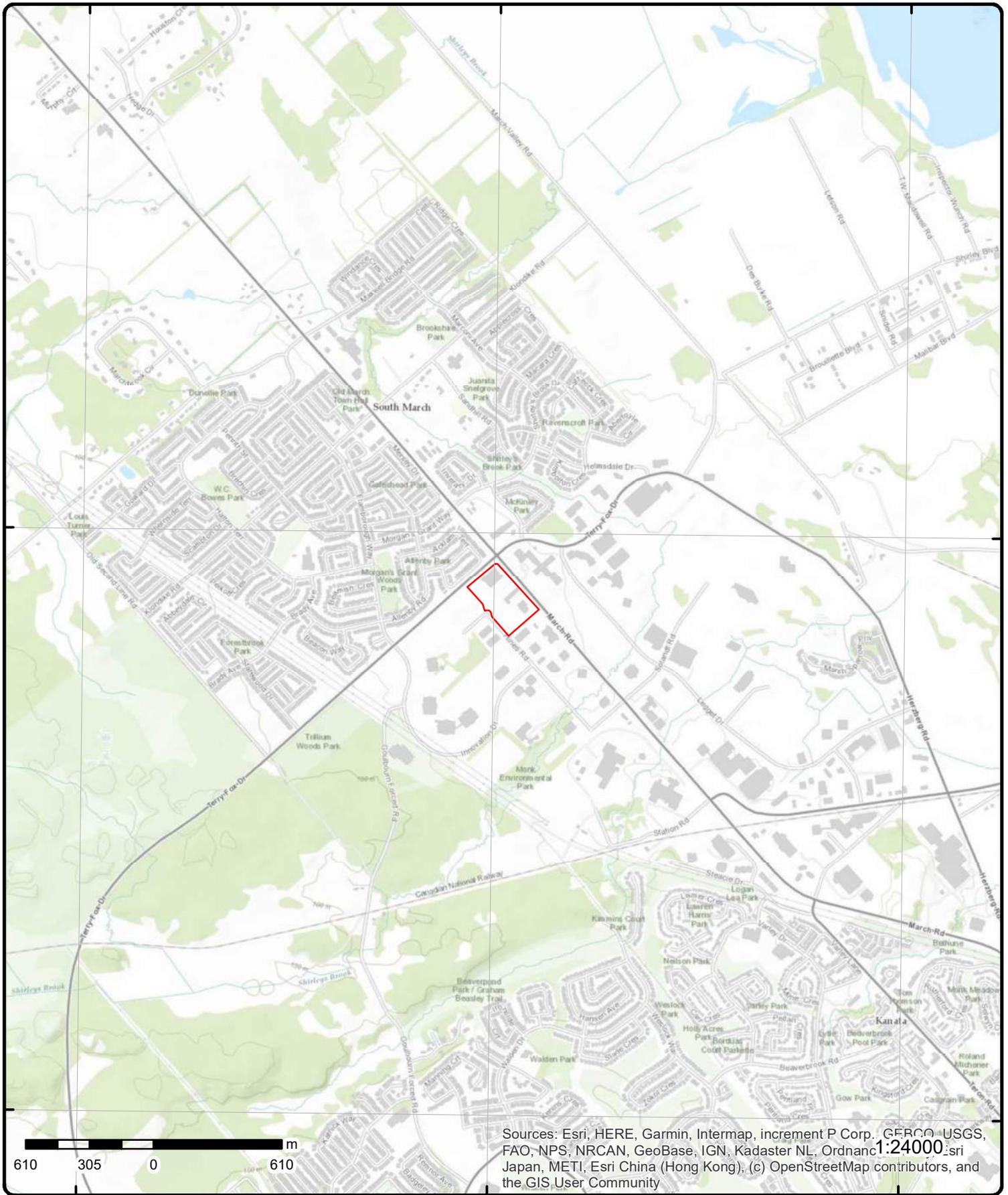
Order Number: 22051300303

Address: 555, 591, 595, and 603 March Road, Kanata, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: 555, 591, 595, and 603 March Road, ON

Source: ESRI World Topographic Map

Order Number: 22051300303



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><u>1</u></p> <p>Generator No: ON2095500 SIC Code: 9721 SIC Description: POWER LAUND./CLEANERS Approval Years: 95,96,97,98,99,00,01 PO Box No: Country:</p> <p><u>Detail(s)</u></p> <p>Waste Class: 241 Waste Class Desc: HALOGENATED SOLVENTS</p>	1 of 15	ENE/0.0	84.9 / -0.41	<p>MILLER'S QUALITY DRY CLEANERS 591 MARCH ROAD KANATA ON K2K 2M5</p>	GEN
<p><u>1</u></p> <p>Order No: 20061017022 Status: C Report Type: Site Report Report Date: 10/19/2006 Date Received: 10/17/2006 Previous Site Name: Lot/Building Size: STRIP PLAZA Additional Info Ordered:</p> <p><u>Detail(s)</u></p> <p>Waste Class: 261 Waste Class Desc: PHARMACEUTICALS</p> <p>Waste Class: 264 Waste Class Desc: PHOTOPROCESSING WASTES</p> <p>Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES</p>	2 of 15	ENE/0.0	84.9 / -0.41	<p>591 March Road Kanata ON K2K 2M5</p> <p>Nearest Intersection: Municipality: Kanata (Ottawa) Client Prov/State: ON Search Radius (km): 0.25 X: -75.923715 Y: 45.347553</p>	EHS
<p><u>1</u></p> <p>Generator No: ON3396254 SIC Code: 541940 SIC Description: Veterinary Services Approval Years: 2009 PO Box No: Country:</p> <p><u>Detail(s)</u></p> <p>Waste Class: 261 Waste Class Desc: PHARMACEUTICALS</p> <p>Waste Class: 264 Waste Class Desc: PHOTOPROCESSING WASTES</p> <p>Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES</p>	3 of 15	ENE/0.0	84.9 / -0.41	<p>March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5</p>	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	4 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No: ON3396254 SIC Code: 541940 SIC Description: Veterinary Services Approval Years: 2010 PO Box No: Country:		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:			
<u>Detail(s)</u>					
Waste Class: 312					
Waste Class Desc: PATHOLOGICAL WASTES					
Waste Class: 261					
Waste Class Desc: PHARMACEUTICALS					
Waste Class: 264					
Waste Class Desc: PHOTOPROCESSING WASTES					

1	5 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No: ON3396254 SIC Code: 541940 SIC Description: Veterinary Services Approval Years: 2011 PO Box No: Country:		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:			
<u>Detail(s)</u>					
Waste Class: 312					
Waste Class Desc: PATHOLOGICAL WASTES					
Waste Class: 261					
Waste Class Desc: PHARMACEUTICALS					
Waste Class: 264					
Waste Class Desc: PHOTOPROCESSING WASTES					

1	6 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No: ON3396254 SIC Code: 541940 SIC Description: Veterinary Services Approval Years: 2012 PO Box No: Country:		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:			
<u>Detail(s)</u>					
Waste Class: 312					
Waste Class Desc: PATHOLOGICAL WASTES					
Waste Class: 264					
Waste Class Desc: PHOTOPROCESSING WASTES					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
1	7 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON	GEN
Generator No:		ON3396254		Status:	
SIC Code:		541940		Co Admin:	
SIC Description:		VETERINARY SERVICES		Choice of Contact:	
Approval Years:		2013		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
1	8 of 15	ENE/0.0	84.9 / -0.41	591 March Rd Ottawa ON K2K2M5	EHS
Order No:		20151123050		Nearest Intersection:	
Status:		C		Municipality: City of Ottawa	
Report Type:		Standard Select Report		Client Prov/State: ON	
Report Date:		27-NOV-15		Search Radius (km): .25	
Date Received:		23-NOV-15		X: -75.923843	
Previous Site Name:				Y: 45.347298	
Lot/Building Size:		1.25 hectares (approx.)			
Additional Info Ordered:					
1	9 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No:		ON3396254		Status:	
SIC Code:		541940		Co Admin: Tobie Jaros	
SIC Description:		VETERINARY SERVICES		Choice of Contact: CO_ADMIN	
Approval Years:		2016		Phone No Admin: 613-591-2408 Ext.	
PO Box No:				Contam. Facility: No	
Country:		Canada		MHSW Facility: No	
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	10 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No:	ON3396254			Status:	
SIC Code:	541940			Co Admin:	Tobie Jaros
SIC Description:	VETERINARY SERVICES			Choice of Contact:	CO_ADMIN
Approval Years:	2015			Phone No Admin:	613-591-2408 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				

1	11 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No:	ON3396254			Status:	
SIC Code:	541940			Co Admin:	Courtney C Cavanagh
SIC Description:	VETERINARY SERVICES			Choice of Contact:	CO_ADMIN
Approval Years:	2014			Phone No Admin:	613-591-2408 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				

1	12 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No:	ON3396254			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		264 T			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
<u>1</u>	13 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No:	ON3396254			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		264 T			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
<u>1</u>	14 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No:	ON3396254			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		264 T			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
<u>1</u>	15 of 15	ENE/0.0	84.9 / -0.41	March Veterinary Professional Corporation 591 March Road Kanata ON K2K 2M5	GEN
Generator No:	ON3396254			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Feb 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
Waste Class:		261 A			
Waste Class Desc:		Pharmaceuticals			
Waste Class:		264 T			
Waste Class Desc:		Photoprocessing wastes			

<u>2</u>	1 of 1	E/0.0	84.9 / -0.46	ON	BORE
Borehole ID:	609785			Inclin FLG:	No
OGF ID:	215511400			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.347075
Total Depth m:	-999			Longitude DD:	-75.923682
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427641
Drill Method:				Northing:	5021922
Orig Ground Elev m:	80.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	80.4				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218384079			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.6			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.				
Geology Stratum ID:	218384080			Mat Consistency:	
Top Depth:	.6			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Granite			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK,GRANITE. . GRANITE. GREY. GRANITE. BLACK. 003050. BEDROCK. SEISMIC VELOCITY =				
	**Note: Many records provided by the department have a truncated [Stratum Description] field.				

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	M			Horizontal:	NAD27
Observation:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 022930 NTS_Sheet: 31G05D				
Confiden 1:	Reliable information but incomplete.				
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				

3 1 of 1 **ENE/0.0** **84.9 / -0.41** **lot 9 con 3 ON** **WWIS**

Well ID:	1510215			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Industrial			Date Received:	10/23/1969
Sec. Water Use:	0			Selected Flag:	TRUE
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3504
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	MARCH TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	009
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510215.pdf

Additional Detail(s) (Map)

Well Completed Date:	1969/10/01
Year Completed:	1969
Depth (m):	21.6408
Latitude:	45.347343670196
Longitude:	-75.9236866038524
Path:	151\1510215.pdf

Bore Hole Information

Bore Hole ID:	10032243	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427640.60
Code OB Desc:		North83:	5021952.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Completed:	01-Oct-1969 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931014234				
Layer:	1				
Color:					
General Color:					
Mat1:	25				
Most Common Material:	OVERBURDEN				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	0.0				
Formation End Depth:	4.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931014235				
Layer:	2				
Color:	1				
General Color:	WHITE				
Mat1:	09				
Most Common Material:	MEDIUM SAND				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	4.0				
Formation End Depth:	71.0				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:	961510215				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10580813				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930057084				
Layer:	2				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:	4				
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:	71.0				
Casing Diameter:	6.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930057083				
Layer:	1				
Material:	1				
Open Hole or Material:		STEEL			
Depth From:					
Depth To:	21.0				
Casing Diameter:	6.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991510215				
Pump Set At:					
Static Level:	29.0				
Final Level After Pumping:	50.0				
Recommended Pump Depth:	60.0				
Pumping Rate:	8.0				
Flowing Rate:					
Recommended Pump Rate:	7.0				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	2				
Pumping Duration HR:	2				
Pumping Duration MIN:	0				
Flowing:	No				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934379016				
Test Type:	Recovery				
Test Duration:	30				
Test Level:	29.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934096838				
Test Type:	Recovery				
Test Duration:	15				
Test Level:	29.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934896956				
Test Type:	Recovery				
Test Duration:	60				
Test Level:	29.0				
Test Level UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Draw Down & Recovery

Pump Test Detail ID: 9334640036
Test Type: Recovery
Test Duration: 45
Test Level: 29.0
Test Level UOM: ft

Water Details

Water ID: 933465174
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 68.0
Water Found Depth UOM: ft

Water Details

Water ID: 933465173
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 62.0
Water Found Depth UOM: ft

4	1 of 1	S/0.0	86.6 / 1.23	591 MARCH ROAD lot 9 con 3 KANATA ON	WWIS
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<p>Well ID: 7151742 Construction Date: Primary Water Use: Test Hole Sec. Water Use: Final Well Status: Test Hole Water Type: Casing Material: Audit No: Z107013 Tag: A094409 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:</p>	<p>Data Entry Status: Data Src: Date Received: 9/22/2010 Selected Flag: TRUE Abandonment Rec: Contractor: 6964 Form Version: 7 Owner: Street Name: 591 MARCH ROAD County: OTTAWA Municipality: MARCH TOWNSHIP Site Info: Lot: 009 Concession: 03 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:</p>
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/71517151742.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/07/20
Year Completed: 2010
Depth (m): 7.85
Latitude: 45.3465988786813
Longitude: -75.9245118807105

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		715\7151742.pdf			

Bore Hole Information

Bore Hole ID:	1003338591	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427575.00
Code OB Desc:		North83:	5021870.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	20-Jul-2010 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1003478979
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.4199999570846558
Formation End Depth:	1.899999976158142
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1003478977
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	84
Mat3 Desc:	SILTY
Formation Top Depth:	0.03999999910593033
Formation End Depth:	0.46000000834465027
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1003478976
Layer:	1
Color:	
General Color:	
Mat1:	02

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.03999999910593033			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003478980			
Layer:		5			
Color:					
General Color:					
Mat1:		18			
Most Common Material:		SANDSTONE			
Mat2:		16			
Mat2 Desc:		DOLOMITE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.899999976158142			
Formation End Depth:		7.849999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003478978			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:		84			
Mat3 Desc:		SILTY			
Formation Top Depth:		0.46000000834465027			
Formation End Depth:		1.4199999570846558			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003478984			
Layer:		2			
Plug From:		6.0			
Plug To:		7.849999904632568			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003478983			
Layer:		1			
Plug From:		0.0			
Plug To:		6.0			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Use</u>					
Method Construction ID:		1003478989			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003478975			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003478986			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		6.349999904632568			
Casing Diameter:		3.5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003478987			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.349999904632568			
Screen End Depth:		7.849999904632568			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.099999904632568			
<u>Water Details</u>					
Water ID:		1003478985			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003478981			
Diameter:		7.5			
Depth From:		0.0			
Depth To:		1.8799999952316284			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1003478982			
Diameter:		5.699999809265137			
Depth From:		1.8799999952316284			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		7.849999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
5	1 of 1	WNW/0.0	85.7 / 0.34	595 March Road, Block E Kanata ON	EHS
Order No:		20071130013		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		CAN - Complete Report		Client Prov/State:	
Report Date:		12/5/2007		Search Radius (km): 0.25	
Date Received:		11/30/2007		X: -75.925221	
Previous Site Name:				Y: 45.347369	
Lot/Building Size:					
Additional Info Ordered:		City Directory			
6	1 of 1	SE/0.0	85.9 / 0.56	D.I.R. Investments Inc. Ottawa ON K0A 1A0	ECA
Approval No:		2390-6NBQN4		MOE District: Ottawa	
Approval Date:		2006-04-03		City:	
Status:		Approved		Longitude: -75.92376	
Record Type:		ECA		Latitude: 45.346516	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		D.I.R. Investments Inc.			
Address:					
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/8134-6MRTG9-14.pdf			
PDF Site Location:					
7	1 of 7	ESE/0.0	85.7 / 0.41	ROHDE & SCHWARZ CANADA 555 MARCH RD KANATA ON K2K 2M5	SCT
Established:		1970			
Plant Size (ft²):		6000			
Employment:		17			
--Details--					
Description:		RADIO AND TELEVISION BROADCASTING AND COMMUNICATIONS EQUIPMENT			
SIC/NAICS Code:		3663			
Description:		SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEMS AND INSTRUMENTS			
SIC/NAICS Code:		3812			
7	2 of 7	ESE/0.0	85.7 / 0.41	TEKTRONIX CANADA INC. 555 MARCH RD KANATA ON K2K 2M5	SCT
Established:		0000			
Plant Size (ft²):		0			
Employment:		8			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Description:		COMPUTERS AND COMPUTER PERIPHERAL EQUIPMENT AND SOFTWARE			
SIC/NAICS Code:		5045			
Description:		ELECTRONIC PARTS AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED			
SIC/NAICS Code:		5065			
<u>7</u>	3 of 7	ESE/0.0	85.7 / 0.41	Rohde & Schwarz Canada Inc. 555 March Rd Kanata ON K2K 2M5	SCT
Established:		1970			
Plant Size (ft²):		8000			
Employment:		23			
--Details--					
Description:		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417230			
Description:		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417320			
Description:		Professional Machinery, Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417930			
<u>7</u>	4 of 7	ESE/0.0	85.7 / 0.41	Localcity 555 March Rd Kanata ON K2K 2M5	SCT
Established:		1996			
Plant Size (ft²):		12			
Employment:		12			
--Details--					
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Manufacturing and Reproducing Magnetic and Optical Media			
SIC/NAICS Code:		334610			
<u>7</u>	5 of 7	ESE/0.0	85.7 / 0.41	Local City Inc. 555 March Rd Kanata ON K2K 2M5	SCT
Established:		1996			
Plant Size (ft²):		12			
Employment:		12			
--Details--					
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Manufacturing and Reproducing Magnetic and Optical Media			
SIC/NAICS Code:		334610			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>7</u>	6 of 7	ESE/0.0	85.7 / 0.41	ASAP-CD Solutions 555 March Rd Ottawa ON K2K 2M5	SCT
Established:		1996			
Plant Size (ft²):		7			
Employment:					
--Details--					
Description:		Commercial Screen Printing			
SIC/NAICS Code:		323113			
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Manufacturing and Reproducing Magnetic and Optical Media			
SIC/NAICS Code:		334610			
Description:		Sound Recording Studios			
SIC/NAICS Code:		512240			
<u>7</u>	7 of 7	ESE/0.0	85.7 / 0.41	555 March Road Ottawa (Kanata) ON	EHS
Order No:		20050715001		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State: ON	
Report Date:		7/25/2005		Search Radius (km): 0.25	
Date Received:		7/15/2005		X: -75.922669	
Previous Site Name:				Y: 45.347131	
Lot/Building Size:					
Additional Info Ordered:					
<u>8</u>	1 of 1	W/0.0	86.9 / 1.54	lot 9 con 3 ON	WWIS
Well ID:		1503346		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 4/20/1953	
Sec. Water Use:		0		Selected Flag: TRUE	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 1802	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA	
Elevation (m):				Municipality: MARCH TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 009	
Well Depth:				Concession: 03	
Overburden/Bedrock:				Concession Name: CON	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503346.pdf			

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

Well Completed Date: 1953/03/06
Year Completed: 1953
Depth (m): 37.1856
Latitude: 45.3469681620258
Longitude: -75.9255952743531
Path: 150\1503346.pdf

Bore Hole Information

Bore Hole ID:	10025389	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427490.60
Code OB Desc:		North83:	5021912.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	06-Mar-1953 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 930996632
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 49.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930996633
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 49.0
Formation End Depth: 122.0
Formation End Depth UOM: ft

Method of Construction & Well

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:		961503346			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573959			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930043530			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		49.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930043531			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		122.0			
Casing Diameter:		3.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991503346			
Pump Set At:					
Static Level:		14.0			
Final Level After Pumping:		30.0			
Recommended Pump Depth:					
Pumping Rate:		2.0			
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			
<u>Water Details</u>					
Water ID:		933456240			
Layer:		1			
Kind Code:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		120.0			
Water Found Depth UOM:		ft			

<u>9</u>	1 of 1	W/O.0	86.9 / 1.54	ON	BORE
Borehole ID:	609784			Inclin FLG:	No
OGF ID:	215511399			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	MAR-1953			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.346969
Total Depth m:	37.2			Longitude DD:	-75.925596
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427491
Drill Method:				Northing:	5021912
Orig Ground Elev m:	85.3			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	82.3				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218384078			Mat Consistency:	
Top Depth:	14.9			Material Moisture:	
Bottom Depth:	37.2			Material Texture:	
Material Color:	Black			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. 00120K. GRANITE. GREY. GRANITE. BLACK. 003050. BEDROCK. SEISMIC VELOCITY = **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	218384077			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	14.9			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 Ident:	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: 02292 NTS_Sheet:				
Confiden 1:					

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

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

10	1 of 16	NW/0.0	84.9 / -0.46	NEWBRIDGE NETWORKS CORP. - 8-4051-90 603 MARCH ROAD (8-4053-90) KANATA CITY ON K2K 2M5	CA
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Certificate #: 8-4052-90-90
Application Year: 90
Issue Date: 4/27/1990
Approval Type: Industrial air
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: EXHAUST SYSTEM NO. 2
Contaminants:
Emission Control:

10	2 of 16	NW/0.0	84.9 / -0.46	NEWBRIDGE NETWORKS CORP. 8-4052-90 603 MARCH ROAD KANATA CITY ON K2K 2M5	CA
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Certificate #: 8-4053-90-90
Application Year: 90
Issue Date: 4/27/1990
Approval Type: Industrial air
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: EXHAUST SYSTEM NO. 3
Contaminants:
Emission Control:

10	3 of 16	NW/0.0	84.9 / -0.46	NEWBRIDGE NETWORKS CORP. - 8-4053-90 603 MARCH ROAD (8-4051-90) KANATA CITY ON K2K 2M5	CA
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Certificate #: 8-4054-90-90
Application Year: 90
Issue Date: 4/27/1990
Approval Type: Industrial air
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Project Description:		EXHAUST SYSTEM NO. 5			
Contaminants:					
Emission Control:					
10	4 of 16	NW/0.0	84.9 / -0.46	NEWBRIDGE NETWORKS CORP. - 8-4052-90 603 MARCH ROAD (8-4054-90) KANATA CITY ON K2K 2M5	CA
Certificate #:		8-4051-90-			
Application Year:		90			
Issue Date:		8/7/1991			
Approval Type:		Industrial air			
Status:		Approved in 1991			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		EXHAUST SYSTEM NO. 1			
Contaminants:		N-Propyl Alcohol, Trifluorotrichloroethane, Acetone, Other Contaminant, Methyl Chloroform, Hydrogen Peroxide, N-Propyl Alcohol, Propylene Glycolmonomethyl Ether Acetate,P.M.Ace.			
Emission Control:		No Controls			
10	5 of 16	NW/0.0	84.9 / -0.46	TUNDRA SEMICONDUCTORS CORPORAT 603 MARCH RD KANATA ON K2K 2M5	SCT
Established:		1983			
Plant Size (ft²):		40000			
Employment:		60			
--Details--					
Description:		INDUSTRIAL INSTRUMENTS FOR MEASUREMENT, DISPLAY, AND CONTROL OF PROCESS VARIABLES; & RELATED ITEMS			
SIC/NAICS Code:		3823			
Description:		SEMICONDUCTORS AND RELATED DEVICES			
SIC/NAICS Code:		3674			
Description:		ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED			
SIC/NAICS Code:		3679			
10	6 of 16	NW/0.0	84.9 / -0.46	Tundra Semiconductor Corp 603 March Rd Kanata ON K2K 2M5	SCT
Established:		1995			
Plant Size (ft²):		40000			
Employment:					
--Details--					
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
10	7 of 16	NW/0.0	84.9 / -0.46	603 March Road Kanata ON K2K 2M5	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Certificate #:		8-4051-90-916			
Application Year:		01			
Issue Date:		4/6/01			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		Revocation			
Client Name:		Newbridge Networks Corporation			
Client Address:		600 March Road, P.O. Box 13600			
Client City:		Kanata			
Client Postal Code:		K2K 2E6			
Project Description:		Revocation of CofA for Exhaust System No. 1 serving the Environmental Testing Room, Exhaust System No. 2 serving the Clean Room, Exhaust system No. 3 serving the soldering stations in the Production Area, and the Exhaust System No. 5 serving the Burn-In Laboratory.			
Contaminants:					
Emission Control:					

<u>10</u>	8 of 16	NW/0.0	84.9 / -0.46	TRILLIUM TELEPHONE SYSTEMS INC. 603 MARCH ROAD KANATA ON K2K 2M5	GEN
Generator No:	ON0424800			Status:	
SIC Code:	3351			Co Admin:	
SIC Description:	TELECOMMUNICATIONS			Choice of Contact:	
Approval Years:	86,87,88,89,90			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

<u>10</u>	9 of 16	NW/0.0	84.9 / -0.46	TRILLIUM TELEPHONE SYSTEMS INC. 603 MARCH ROAD KANATA ON K2K 2M5	GEN
Generator No:	ON0424800			Status:	
SIC Code:	3351			Co Admin:	
SIC Description:	TELECOMMUNICATIONS			Choice of Contact:	
Approval Years:	92,93			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

<u>10</u>	10 of 16	NW/0.0	84.9 / -0.46	TRILLIUM TELEPHONE SYSTEMS INC. 38-102 603 MARCH ROAD KANATA ON K2K 2M5	GEN
Generator No:	ON0424800			Status:	
SIC Code:	3351			Co Admin:	
SIC Description:	TELECOMMUNICATIONS			Choice of Contact:	
Approval Years:	94,95,96			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
10	11 of 16	NW/0.0	84.9 / -0.46	TRILLIUM TELEPHONE (OUT OF BUS) 603 MARCH ROAD KANATA ON K2K 2M5	GEN
Generator No:	ON0424800			Status:	
SIC Code:	3351			Co Admin:	
SIC Description:	TELECOMMUNICATIONS			Choice of Contact:	
Approval Years:	97,98			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
10	12 of 16	NW/0.0	84.9 / -0.46	NEWBRIDGE NETWORKS CORPORATION 28-807 603 MARCH ROAD C/O 600 MARCH RD., P.O. BOX 13600 KANATA ON K2K 2M5	GEN
Generator No:	ON1052001			Status:	
SIC Code:	3351			Co Admin:	
SIC Description:	TELECOMMUNICATIONS			Choice of Contact:	
Approval Years:	92,93,94,95,96,97,98			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
10	13 of 16	NW/0.0	84.9 / -0.46	Tundra Semiconductor Corporation 603 March Road Kanata ON K2K 2M5	GEN
Generator No:	ON9981810			Status:	
SIC Code:	334410			Co Admin:	
SIC Description:	Semiconductor and Other Electronic Component Manufacturing			Choice of Contact:	
Approval Years:	05			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
10	14 of 16	NW/0.0	84.9 / -0.46	IDT Canada 603 March Rd Kanata ON K2K 2M5	SCT
Established:	01-JUL-79				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plant Size (ft²): Employment:		40000			
--Details--					
Description:		Research and Development in the Physical, Engineering and Life Sciences			
SIC/NAICS Code:		541710			
10	15 of 16	NW/0.0	84.9 / -0.46	603 March Road Kanata ON K2K 2M5	EHS
Order No:	20312300041	Nearest Intersection:			
Status:	C	Municipality:			
Report Type:	Standard Report	Client Prov/State:		ON	
Report Date:	26-NOV-20	Search Radius (km):		.25	
Date Received:	23-NOV-20	X:		-75.9252848	
Previous Site Name:		Y:		45.3478313	
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
10	16 of 16	NW/0.0	84.9 / -0.46	603 March Rd Kanata ON K2K 2M5	EHS
Order No:	21102800425	Nearest Intersection:			
Status:	C	Municipality:			
Report Type:	Standard Report	Client Prov/State:		ON	
Report Date:	02-NOV-21	Search Radius (km):		.25	
Date Received:	28-OCT-21	X:		-75.9252848	
Previous Site Name:		Y:		45.3478313	
Lot/Building Size:					
Additional Info Ordered:					
11	1 of 1	ESE/0.0	84.8 / -0.54	lot 9 con 3 ON	WWIS
Well ID:	1503344	Data Entry Status:			
Construction Date:		Data Src:		1	
Primary Water Use:	Domestic	Date Received:		7/6/1964	
Sec. Water Use:	0	Selected Flag:		TRUE	
Final Well Status:	Water Supply	Abandonment Rec:			
Water Type:		Contractor:		1503	
Casing Material:		Form Version:		1	
Audit No:		Owner:			
Tag:		Street Name:			
Construction Method:		County:		OTTAWA	
Elevation (m):		Municipality:		MARCH TOWNSHIP	
Elevation Reliability:		Site Info:			
Depth to Bedrock:		Lot:		009	
Well Depth:		Concession:		03	
Overburden/Bedrock:		Concession Name:		CON	
Pump Rate:		Easting NAD83:			
Static Water Level:		Northing NAD83:			
Flowing (Y/N):		Zone:			
Flow Rate:		UTM Reliability:			
Clear/Cloudy:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503344.pdf				

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

Well Completed Date: 1964/05/28
Year Completed: 1964
Depth (m): 17.0688
Latitude: 45.3466282973595
Longitude: -75.923100538294
Path: 150\1503344.pdf

Bore Hole Information

Bore Hole ID:	10025387	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427685.60
Code OB Desc:		North83:	5021872.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	28-May-1964 00:00:00	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 930996628
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930996629
Layer: 2
Color:
General Color:
Mat1: 21
Most Common Material: GRANITE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 56.0
Formation End Depth UOM: ft

Method of Construction & Well

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Use</u>					
<i>Method Construction ID:</i>		961503344			
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10573957			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930043527			
<i>Layer:</i>		2			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>					
<i>Depth To:</i>		56.0			
<i>Casing Diameter:</i>		5.0			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930043526			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		17.0			
<i>Casing Diameter:</i>		5.0			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		991503344			
<i>Pump Set At:</i>					
<i>Static Level:</i>		11.0			
<i>Final Level After Pumping:</i>		12.0			
<i>Recommended Pump Depth:</i>		40.0			
<i>Pumping Rate:</i>		10.0			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		5.0			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		No			
<u>Water Details</u>					
<i>Water ID:</i>		933456238			
<i>Layer:</i>		1			
<i>Kind Code:</i>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		55.0			
Water Found Depth UOM:		ft			

12	1 of 1	ESE/0.0	84.2 / -1.15	lot 9 con 3 ON	WWIS
Well ID:	1503345			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/1/1952
Sec. Water Use:	0			Selected Flag:	TRUE
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1802
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	MARCH TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	009
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503345.pdf

Additional Detail(s) (Map)

Well Completed Date: 1952/11/20
Year Completed: 1952
Depth (m): 12.192
Latitude: 45.3467679412808
Longitude: -75.9225283767252
Path: 150\1503345.pdf

Bore Hole Information

Bore Hole ID:	10025388	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427730.60
Code OB Desc:		North83:	5021887.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	20-Nov-1952 00:00:00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID: 930996630

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930996631			
Layer:		2			
Color:					
General Color:					
Mat1:		18			
Most Common Material:		SANDSTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5.0			
Formation End Depth:		40.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961503345			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10573958			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930043529			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		40.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930043528			
Layer:		1			
Material:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		9.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991503345			
Pump Set At:					
Static Level:		20.0			
Final Level After Pumping:		30.0			
Recommended Pump Depth:					
Pumping Rate:		7.0			
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			
<u>Water Details</u>					
Water ID:		933456239			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		38.0			
Water Found Depth UOM:		ft			

13	1 of 1	WSW/13.2	86.8 / 1.51	O HINES DRIVE KANATA ON	WWIS
Well ID:		7218163		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Monitoring and Test Hole		Date Received: 3/20/2014	
Sec. Water Use:		0		Selected Flag: TRUE	
Final Well Status:		Observation Wells		Abandonment Rec:	
Water Type:				Contractor: 7241	
Casing Material:				Form Version: 7	
Audit No:		Z178057		Owner:	
Tag:		A156413		Street Name: O HINES DRIVE	
Construction Method:				County: OTTAWA	
Elevation (m):				Municipality: MARCH TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7218163.pdf			

Additional Detail(s) (Map)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Well Completed Date: 2014/02/14
Year Completed: 2014
Depth (m): 9.45
Latitude: 45.346741750083
Longitude: -75.9257651900175
Path: 721\7218163.pdf

Bore Hole Information

Bore Hole ID:	1004724220	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427477.00
Code OB Desc:		North83:	5021887.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	14-Feb-2014 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1005093642
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 2.130000114440918
Formation End Depth: 2.3499999046325684
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005093644
Layer: 5
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 8.529999732971191
Formation End Depth: 9.449999809265137
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1005093643			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		18			
Most Common Material:		SANDSTONE			
Mat2:					
Mat2 Desc:					
Mat3:		74			
Mat3 Desc:		LAYERED			
Formation Top Depth:		2.3499999046325684			
Formation End Depth:		8.529999732971191			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005093640			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005093641			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		2.130000114440918			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005093654			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:					
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005093653			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Layer:</i>		1			
<i>Plug From:</i>		0.0			
<i>Plug To:</i>		0.3100000023841858			
<i>Plug Depth UOM:</i>		m			
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		1005093655			
<i>Layer:</i>		3			
<i>Plug From:</i>					
<i>Plug To:</i>		9.449999809265137			
<i>Plug Depth UOM:</i>		m			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		1005093652			
<i>Method Construction Code:</i>		5			
<i>Method Construction:</i>		Air Percussion			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		1005093639			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		1005093648			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>		0.0			
<i>Depth To:</i>		6.400000095367432			
<i>Casing Diameter:</i>		4.03000020980835			
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1005093649			
<i>Layer:</i>		1			
<i>Slot:</i>		10			
<i>Screen Top Depth:</i>		6.400000095367432			
<i>Screen End Depth:</i>		9.449999809265137			
<i>Screen Material:</i>		5			
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>		4.820000171661377			
<u>Water Details</u>					
<i>Water ID:</i>		1005093647			
<i>Layer:</i>					
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					
<i>Water Found Depth UOM:</i>		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1005093645			
Diameter:		11.430000305175781			
Depth From:		0.0			
Depth To:		3.0999999046325684			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1005093646			
Diameter:		7.619999885559082			
Depth From:		3.0999999046325684			
Depth To:		9.449999809265137			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>14</u>	1 of 3	SE/34.9	85.9 / 0.54	Ultra Electronics Canada Defence Inc. 88 Hines Road Ottawa ON	GEN
Generator No:	ON7263654			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	All Other Electrical Equipment and Component Manufacturing			Choice of Contact:	
Approval Years:	2009			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

<u>Detail(s)</u>					
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	241				
Waste Class Desc:	HALOGENATED SOLVENTS				
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				

<u>14</u>	2 of 3	SE/34.9	85.9 / 0.54	Ultra Electronics TCS Inc. 88 Hines Road Ottawa ON	GEN
Generator No:	ON7263654			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	All Other Electrical Equipment and Component Manufacturing			Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: PO Box No: Country:	2010			Phone No Admin: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:		264 PHOTOPROCESSING WASTES			
Waste Class: Waste Class Desc:		146 OTHER SPECIFIED INORGANICS			
Waste Class: Waste Class Desc:		148 INORGANIC LABORATORY CHEMICALS			
Waste Class: Waste Class Desc:		112 ACID WASTE - HEAVY METALS			
Waste Class: Waste Class Desc:		122 ALKALINE WASTES - OTHER METALS			
Waste Class: Waste Class Desc:		241 HALOGENATED SOLVENTS			

14	3 of 3	SE/34.9	85.9 / 0.54	Ultra Electronics TCS Inc. 88 Hines Road Ottawa ON	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON7263654 335990 All Other Electrical Equipment and Component Manufacturing 2011			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		146 OTHER SPECIFIED INORGANICS			
Waste Class: Waste Class Desc:		112 ACID WASTE - HEAVY METALS			
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:		264 PHOTOPROCESSING WASTES			
Waste Class: Waste Class Desc:		241 HALOGENATED SOLVENTS			
Waste Class: Waste Class Desc:		122 ALKALINE WASTES - OTHER METALS			
Waste Class: Waste Class Desc:		148 INORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			

<u>15</u>	5 of 12	SE/35.0	85.9 / 0.54	Telemus Inc. 88 Hines Rd Kanata ON K2K 2T8	SCT
Established:		1994			
Plant Size (ft²):					
Employment:					
<u>--Details--</u>					
Description:		Construction Machinery Manufacturing			
SIC/NAICS Code:		333120			
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Navigational and Guidance Instruments Manufacturing			
SIC/NAICS Code:		334511			
Description:		Engineering Services			
SIC/NAICS Code:		541330			

<u>15</u>	6 of 12	SE/35.0	85.9 / 0.54	954050 ONTARIO INC. 88 HINES RD KANATA ON	GEN
Generator No:	ON5315252			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Choice of Contact:	
Approval Years:	2013			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

<u>Detail(s)</u>					
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			

15	7 of 12	SE/35.0	85.9 / 0.54	Ultra Electronics 88 Hines Rd Kanata ON K2K 2T8	SCT
Established:		01-AUG-94			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Engineering Services			
SIC/NAICS Code:		541330			
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Navigational and Guidance Instruments Manufacturing			
SIC/NAICS Code:		334511			
Description:		Construction Machinery Manufacturing			
SIC/NAICS Code:		333120			

15	8 of 12	SE/35.0	85.9 / 0.54	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8	GEN
Generator No:	ON5315252			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	All Other Electrical Equipment and Component Manufacturing			Choice of Contact:	
Approval Years:	07,08			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

15	9 of 12	SE/35.0	85.9 / 0.54	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8	GEN
Generator No:	ON5315252			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	All Other Electrical Equipment and Component Manufacturing			Choice of Contact:	
Approval Years:	2009			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				

15	10 of 12	SE/35.0	85.9 / 0.54	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2T8	GEN
Generator No:	ON5315252			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	All Other Electrical Equipment and Component Manufacturing			Choice of Contact:	
Approval Years:	2010			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	252				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			

15	11 of 12	SE/35.0	85.9 / 0.54	ULTRA ELECTRONICS 88 HINES RD OTTAWA ON K2K2T8	GEN
Generator No:	ON4360723			Status:	
SIC Code:	334410			Co Admin:	
SIC Description:	SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS

15	12 of 12	SE/35.0	85.9 / 0.54	954050 ONTARIO INC. 88 HINES RD KANATA ON K2K 2B8	GEN
Generator No:	ON5315252			Status:	
SIC Code:	335990			Co Admin:	Nguyen Tieu
SIC Description:	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2014			Phone No Admin:	613-591-0768 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
16	1 of 3	NNW/38.7	82.8 / -2.54	KANATA RESEARCH PARK CORP. TERRY FOX DR. MARCH RD. KANATA CITY ON	CA
Certificate #:		3-1115-87-			
Application Year:		87			
Issue Date:		7/13/1987			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
16	2 of 3	NNW/38.7	82.8 / -2.54	TAYSHAM INVESTORS INC. MARCH ROAD, TERRY FOX DR. KANATA CITY ON	CA
Certificate #:		7-1085-88-			
Application Year:		88			
Issue Date:		7/18/1988			
Approval Type:		Municipal water			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
16	3 of 3	NNW/38.7	82.8 / -2.54	Terry Fox and March Rd Ottawa ON	SPL
Ref No:		2401-88VMDH			
Site No:					
Incident Dt:					
Year:					
Incident Cause:					
Incident Event:					
Contaminant Code:		15			
Contaminant Name:		OIL (PETROLEUM BASED, NOT SPECIFIED)			
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Environment Impact:					
Discharger Report:					
Material Group:					
Health/Env Conseq:					
Client Type:					
Sector Type:					
Agency Involved:					
Nearest Watercourse:					
Site Address:					
Site District Office:					
Site Postal Code:					
Site Region:					
Site Municipality:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Nature of Impact: Receiving Medium: Receiving Env: MOE Response: No Field Response Dt MOE Arvl on Scn: MOE Reported Dt: 9/1/2010 Dt Document Closed: Incident Reason: Site Name: Terry Fox Extension<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: 30 L's of Engine Oil to Terry Fox Rd Extension - Kanata. Contaminant Qty: 30 L				Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Watercourse Spills Source Type:	
17	1 of 23	SSW/42.1	87.9 / 2.54	L-D TOOL & DIE 93 HINES RD UNIT 1 KANATA ON K2K 2M5	SCT
Established: 1990 Plant Size (ft²): 20000 Employment: 35 --Details-- Description: All Other Plastic Product Manufacturing SIC/NAICS Code: 326198 Description: Industrial Mould Manufacturing SIC/NAICS Code: 333511					
17	2 of 23	SSW/42.1	87.9 / 2.54	L-D TOOL & DIE 93 HINES RD KANATA ON K2K 2M5	SCT
Established: 1990 Plant Size (ft²): 9000 Employment: 45 --Details-- Description: PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED SIC/NAICS Code: 3089 Description: SPECIAL DIES AND TOOLS, DIE SETS, JIGS AND FIXTURES, AND INDUSTRIAL MOLDS SIC/NAICS Code: 3544					
17	3 of 23	SSW/42.1	87.9 / 2.54	L-D Tool & Die Inc. 93 Hines Rd Kanata ON K2K 2M5	SCT
Established: 1990 Plant Size (ft²): 33000 Employment: 54 --Details-- Description: All Other Plastic Product Manufacturing SIC/NAICS Code: 326198 Description: Industrial Mould Manufacturing SIC/NAICS Code: 333511					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Other Metalworking Machinery Manufacturing			
SIC/NAICS Code:		333519			
17	4 of 23	SSW/42.1	87.9 / 2.54	L-D Tool & Die Inc. - Div. of Madix Engineering Inc. 93 Hines Rd Unit 1 Kanata ON K2K 2M5	SCT
Established:		1990			
Plant Size (ft²):		20000			
Employment:		42			
17	5 of 23	SSW/42.1	87.9 / 2.54	L-D TOOL & DIE. 93 HINES ROAD KANATA ON K2K 2M5	GEN
Generator No:		ON2178100		Status:	
SIC Code:		3999		Co Admin:	
SIC Description:		OTHER MANU. PROD.		Choice of Contact:	
Approval Years:		96,97,98		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	6 of 23	SSW/42.1	87.9 / 2.54	L-D TOOL & DIE 93 HINES ROAD KANATA ON K2K 2M5	GEN
Generator No:		ON2178100		Status:	
SIC Code:		3999		Co Admin:	
SIC Description:		OTHER MANU. PROD.		Choice of Contact:	
Approval Years:		99,00,01		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	7 of 23	SSW/42.1	87.9 / 2.54	Madix Engineering Inc 93 HINES ROAD KANATA ON K2K 2M5	GEN
Generator No:		ON2178100		Status:	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:		02,03,04		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	8 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status:	
SIC Code:	238299			Co Admin:	
SIC Description:	All Other Building Equipment Contractors			Choice of Contact:	
Approval Years:	05,06,07,08			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	9 of 23	SSW/42.1	87.9 / 2.54	CIMCO Refrigeration 93 Hines Rd Unit 7 Kanata ON K2K 2M5	SCT
Established:	01-NOV-13				
Plant Size (ft²):	3000				
Employment:					
<u>--Details--</u>					
Description:	Appliance Repair and Maintenance				
SIC/NAICS Code:	811412				
17	10 of 23	SSW/42.1	87.9 / 2.54	Daltco Electric & Supply 93 Hines Rd Kanata ON K2K 2M5	SCT
Established:	01-JAN-79				
Plant Size (ft²):	8500				
Employment:					
<u>--Details--</u>					
Description:	Electrical Wiring and Construction Supplies Wholesaler-Distributors				
SIC/NAICS Code:	416110				
Description:	Electrical Wiring and Construction Supplies Wholesaler-Distributors				
SIC/NAICS Code:	416110				
Description:	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors				
SIC/NAICS Code:	417230				
17	11 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status:	
SIC Code:	238299			Co Admin:	
SIC Description:	All Other Building Equipment Contractors			Choice of Contact:	
Approval Years:	2009			Phone No Admin:	
PO Box No:				Contam. Facility:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	12 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status:	
SIC Code:	238299			Co Admin:	
SIC Description:	All Other Building Equipment Contractors			Choice of Contact:	
Approval Years:	2010			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	13 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status:	
SIC Code:	238299			Co Admin:	
SIC Description:	All Other Building Equipment Contractors			Choice of Contact:	
Approval Years:	2011			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	14 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status:	
SIC Code:	238299			Co Admin:	
SIC Description:	All Other Building Equipment Contractors			Choice of Contact:	
Approval Years:	2012			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
17	15 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No:	ON6184689			Status:	
SIC Code:	238299			Co Admin:	
SIC Description:	ALL OTHER BUILDING EQUIPMENT CONTRACTORS			Choice of Contact:	
Approval Years:	2013			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
Detail(s)					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				

17	16 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration<UNOFFICIAL> 93 Hines Rd Ottawa ON	SPL
Ref No:	8801-9NNHTQ			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2014/09/04			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Dumping			Sector Type:	Tank - Above Ground
Incident Event:				Agency Involved:	
Contaminant Code:	28			Nearest Watercourse:	
Contaminant Name:	CALCIUM CHLORIDE			Site Address:	93 Hines Rd
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s)			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	No Field Response			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2014/09/05			Site Map Datum:	
Dt Document Closed:	2015/01/13			SAC Action Class:	Land Spills
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	Cimco Refrigeration<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Cimco Refrigeration, 760L Calcium Chloride solution, cld				
Contaminant Qty:	760 L				

17	17 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status:	
SIC Code:	238299			Co Admin:	Lucy Palmieri
SIC Description:	ALL OTHER BUILDING EQUIPMENT CONTRACTORS			Choice of Contact:	CO_ADMIN
Approval Years:	2015			Phone No Admin:	613-271-4444 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
Detail(s)					
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	133				
Waste Class Desc:	BRINES, CHLOR-ALKALI WASTES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

[17](#) 18 of 23 SSW/42.1 87.9 / 2.54 Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5 GEN

Generator No:	ON6184689	Status:	
SIC Code:	238299	Co Admin:	Lucy Palmieri
SIC Description:	ALL OTHER BUILDING EQUIPMENT CONTRACTORS	Choice of Contact:	CO_ADMIN
Approval Years:	2016	Phone No Admin:	613-271-4444 Ext.
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

Detail(s)

Waste Class: 133
Waste Class Desc: BRINES, CHLOR-ALKALI WASTES

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

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

[17](#) 19 of 23 SSW/42.1 87.9 / 2.54 Cimco Refrigeration 93 Hines Road, Unit # 7 Kanata ON K2K 2M5 GEN

Generator No:	ON6184689	Status:	
SIC Code:	238299	Co Admin:	Lucy Palmieri
SIC Description:	ALL OTHER BUILDING EQUIPMENT CONTRACTORS	Choice of Contact:	CO_ADMIN
Approval Years:	2014	Phone No Admin:	613-271-4444 Ext.
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

Detail(s)

Waste Class: 133
Waste Class Desc: BRINES, CHLOR-ALKALI WASTES

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

[17](#) 20 of 23 SSW/42.1 87.9 / 2.54 Cimco Refrigeration Toromont Industries 93 Hines Road, Unit # 7 Kanata ON K2K 2M5 GEN

Generator No:	ON6184689	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Dec 2018	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class: 133 T

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		Brine, chlor-alkali sludges			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
17	21 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration Toromont Industries 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		133 T			
Waste Class Desc:		Brine, chlor-alkali sludges			
17	22 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration Toromont Industries 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		133 T			
Waste Class Desc:		Brine, chlor-alkali sludges			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
17	23 of 23	SSW/42.1	87.9 / 2.54	Cimco Refrigeration Toromont Industries 93 Hines Road, Unit # 7 Kanata ON K2K 2M5	GEN
Generator No:	ON6184689			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Feb 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		133 T			
Waste Class Desc:		Brine, chlor-alkali sludges			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
18	1 of 2	ESE/43.5	84.9 / -0.46	CAPRICORN DATA 525 MARCH RD RR 33 KANATA ON K2K 2M5	SCT
Established:		1986			
Plant Size (ft²):		3000			
Employment:		5			
--Details--					
Description:		CARBON PAPER AND INKED RIBBONS			
SIC/NAICS Code:		3955			
Description:		All Other Miscellaneous Chemical Product Manufacturing			
SIC/NAICS Code:		325999			
18	2 of 2	ESE/43.5	84.9 / -0.46	Capricorn Data Inc. 525 March Rd Kanata ON K2K 2M5	SCT
Established:		1986			
Plant Size (ft²):		3000			
Employment:		5			
--Details--					
Description:		All Other Miscellaneous Chemical Product Manufacturing			
SIC/NAICS Code:		325999			
19	1 of 22	SSW/65.0	88.3 / 3.00	WESCAR 95 HINES RD KANATA ON K2K 2M5	SCT
Established:		1993			
Plant Size (ft²):		0			
Employment:		25			
--Details--					
Description:		FABRICATED METAL PRODUCTS, NOT ELSEWHERE CLASSIFIED			
SIC/NAICS Code:		3499			
19	2 of 22	SSW/65.0	88.3 / 3.00	Wescar Corp. 95 Hines Rd Kanata ON K2K 2M5	SCT
Established:		01-AUG-93			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plant Size (ft²):		20000			
Employment:					
--Details--					
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			
19	3 of 22	SSW/65.0	88.3 / 3.00	WESCAR CORPORATION 95 HINES ROAD KANATA ON K2K 2M5	GEN
Generator No:		ON2073600		Status:	
SIC Code:		4275		Co Admin:	
SIC Description:		PAINT. & DECOR. WORK		Choice of Contact:	
Approval Years:		95,96,97,98,99,00,01,02,03,04,05		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
Detail(s)					
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
19	4 of 22	SSW/65.0	88.3 / 3.00	Wescar Corp. 93 & 95 Hines Rd Ottawa Ontario K2K 2M5 Ottawa ON	EBR
EBR Registry No:		IA06E1323		Decision Posted:	
Ministry Ref No:		2484-6U7RKW		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:				Act 1:	
Notice Date:		November 19, 2007		Act 2:	
Proposal Date:		October 23, 2006		Site Location Map:	
Year:		2006			
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:		Wescar Corp.			
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:		93 & 95 Hines Rd, Ottawa Ontario, K2K 2M5			
Comment Period:					
URL:					
Site Location Details:					
93 & 95 Hines Rd Ottawa Ontario K2K 2M5 Ottawa					
19	5 of 22	SSW/65.0	88.3 / 3.00	WESCAR CORP. 95 Hines Road KANATA ON K2K 2M5	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Generator No: ON2073600
SIC Code: 332999 332999 332999
SIC Description: All Other Miscellaneous Fabricated Metal Product M, All Other Miscellaneous Fabricated Metal Product M, All Other Miscellaneous Fabricated Metal Produ
Approval Years: 06,07,08
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:

Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

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

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

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

19	6 of 22	SSW/65.0	88.3 / 3.00	WESCAR CORP. 95 Hines Road KANATA ON K2K 2M5	GEN
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Generator No: ON2073600
SIC Code: 332999, 332999, 332999
SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing, All Other Miscellaneous Fabricated Metal Product Manufacturing, All Other Miscellaneous
Approval Years: 2009
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:

Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

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

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

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

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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

19	7 of 22	SSW/65.0	88.3 / 3.00	WESCAR CORP. 95 Hines Road KANATA ON K2K 2M5	GEN
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Generator No: ON2073600 SIC Code: 332999, 332999, 332999 SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing, All Other Miscellaneous Fabricated Metal Product Manufacturing, All Other Miscellaneous Fabricated Metal Product Manufacturing	Status: Co Admin: Choice of Contact:
Approval Years: 2010 PO Box No: Country:	Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

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

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

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

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

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

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

19	8 of 22	SSW/65.0	88.3 / 3.00	WESCAR CORP. 95 Hines Road KANATA ON K2K 2M5	GEN
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Generator No: ON2073600 SIC Code: 332999, 332999, 332999 SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing, All Other Miscellaneous Fabricated Metal Product Manufacturing, All Other Miscellaneous Fabricated Metal Product Manufacturing	Status: Co Admin: Choice of Contact:
Approval Years: 2011 PO Box No: Country:	Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 251

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			

19	9 of 22	SSW/65.0	88.3 / 3.00	954050 ONTARIO INC. 95HINES RD KANATA ON	GEN
Generator No:	ON5315252			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	All Other Electrical Equipment and Component Manufacturing			Choice of Contact:	
Approval Years:	2011			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			

19	10 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON	GEN
Generator No:	ON5230528			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	All Other Electrical Equipment and Component Manufacturing			Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: PO Box No: Country:	2012			Phone No Admin: Contam. Facility: MHSW Facility:	

19	11 of 22	SSW/65.0	88.3 / 3.00	954050 ONTARIO INC. 95HINES RD KANATA ON	GEN
Generator No: SIC Code: SIC Description:	ON5315252 335990 All Other Electrical Equipment and Component Manufacturing			Status: Co Admin: Choice of Contact:	
Approval Years: PO Box No: Country:	2012			Phone No Admin: Contam. Facility: MHSW Facility:	

Detail(s)

Waste Class: Waste Class Desc:	232 POLYMERIC RESINS
Waste Class: Waste Class Desc:	331 WASTE COMPRESSED GASES
Waste Class: Waste Class Desc:	122 ALKALINE WASTES - OTHER METALS
Waste Class: Waste Class Desc:	112 ACID WASTE - HEAVY METALS
Waste Class: Waste Class Desc:	145 PAINT/PIGMENT/COATING RESIDUES
Waste Class: Waste Class Desc:	212 ALIPHATIC SOLVENTS
Waste Class: Waste Class Desc:	252 WASTE OILS & LUBRICANTS

19	12 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON	GEN
Generator No: SIC Code: SIC Description:	ON5230528 335990 ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Status: Co Admin: Choice of Contact:	
Approval Years: PO Box No: Country:	2013			Phone No Admin: Contam. Facility: MHSW Facility:	

Detail(s)

Waste Class: Waste Class Desc:	331 WASTE COMPRESSED GASES
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19	13 of 22	SSW/65.0	88.3 / 3.00	Wescar Corp. 93 & 95 Hines Rd Ottawa ON K2K 2M5	ECA
Approval No: Approval Date:	7900-78JSJP 2007-11-12			MOE District: City:	Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:	Approved			Longitude:	-75.91583
Record Type:	ECA			Latitude:	45.341785
Link Source:	IDS			Geometry X:	
SWP Area Name:	Mississippi Valley			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Wescar Corp.				
Address:	93 & 95 Hines Rd				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2484-6U7RKW-14.pdf				
PDF Site Location:					

19	14 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON K2K 2M5	GEN
Generator No:	ON5230528			Status:	
SIC Code:	335990			Co Admin:	Nguyen Tieu
SIC Description:	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Choice of Contact:	CO_ADMIN
Approval Years:	2016			Phone No Admin:	613-591-0768 Ext.21
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
Detail(s)					
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				

19	15 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON K2K 2M5	GEN
Generator No:	ON5230528			Status:	
SIC Code:	335990			Co Admin:	Nguyen Tieu
SIC Description:	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Choice of Contact:	CO_ADMIN
Approval Years:	2015			Phone No Admin:	613-591-0768 Ext.21
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
Detail(s)					
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				

19	16 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON K2K 2M5	GEN
Generator No:	ON5230528			Status:	
SIC Code:	335990			Co Admin:	Nguyen Tieu
SIC Description:	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Choice of Contact:	CO_ADMIN
Approval Years:	2014			Phone No Admin:	613-591-0768 Ext.21

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PO Box No: Country:	Canada			Contam. Facility: MHSW Facility:	No No
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		331 WASTE COMPRESSED GASES			
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			

19	17 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON K2K 2M5	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON5230528 As of Dec 2018 Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		212 I Aliphatic solvents and residues			
Waste Class: Waste Class Desc:		232 I Polymeric resins			
Waste Class: Waste Class Desc:		331 I Waste compressed gases including cylinders			

19	18 of 22	SSW/65.0	88.3 / 3.00	95 Hines Road Ottawa ON	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:	20170309128 C Standard Report 13-MAR-17 09-MAR-17 Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory			Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	ON .25 -75.925372 45.345747

19	19 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON K2K 2M5	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON5230528 As of Jul 2020 Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		331 I Waste compressed gases including cylinders			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		232 I			
Waste Class Desc:		Polymeric resins			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
19	20 of 22	SSW/65.0	88.3 / 3.00	RBR Limited 95 Hines Road, Unit 5 Kanata ON K2K 2M5	GEN
Generator No:	ON7992038			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jan 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
19	21 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON K2K 2M5	GEN
Generator No:	ON5230528			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		232 I			
Waste Class Desc:		Polymeric resins			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
19	22 of 22	SSW/65.0	88.3 / 3.00	Flexus Electronics 95 Hines rd Kanata ON K2K 2M5	GEN
Generator No:	ON5230528			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Feb 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		232 I			
Waste Class Desc:		Polymeric resins			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
20	1 of 7	SE/112.9	84.9 / -0.48	TeleWatch Monitoring Services 84 Hines Rd Suite 130 Kanata ON K2K 3G3	SCT
Established:		2003			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Other Scientific and Technical Consulting Services			
SIC/NAICS Code:		541690			
Description:		Computer and Peripheral Equipment Manufacturing			
SIC/NAICS Code:		334110			
Description:		Software Publishers			
SIC/NAICS Code:		511210			
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			
20	2 of 7	SE/112.9	84.9 / -0.48	Metconnex Inc. 84 Hines Road Suite 260 Ottawa ON	GEN
Generator No:		ON3229484		Status:	
SIC Code:		339990		Co Admin:	
SIC Description:		All Other Miscellaneous Manufacturing		Choice of Contact:	
Approval Years:		06		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
Detail(s)					
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
20	3 of 7	SE/112.9	84.9 / -0.48	Sidense Corp. 84 Hines Rd Suite 260 Kanata ON K2K 3G3	SCT
Established:		01-AUG-04			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	4 of 7	SE/112.9	84.9 / -0.48	Skyworks Solutions (Test Lab) 84 Hines Rd, Suite 100 Kanata ON K2K 3G3	GEN
Generator No:	ON9560250			Status:	
SIC Code:	417310			Co Admin:	
SIC Description:	COMPUTER, COMPUTER PERIPHERAL AND PRE-PACKAGED SOFTWARE WHOLESALE-DISTRIBUTORS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
20	5 of 7	SE/112.9	84.9 / -0.48	Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3	GEN
Generator No:	ON7912119			Status:	
SIC Code:	417310			Co Admin:	
SIC Description:	COMPUTER, COMPUTER PERIPHERAL AND PRE-PACKAGED SOFTWARE WHOLESALE-DISTRIBUTORS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
20	6 of 7	SE/112.9	84.9 / -0.48	Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3	GEN
Generator No:	ON7912119			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	122 C				
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)				
Waste Class:	212 I				
Waste Class Desc:	Aliphatic solvents and residues				
20	7 of 7	SE/112.9	84.9 / -0.48	Skyworks Solutions Inc 100-84 Hines Road Kanata ON K2K 3G3	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: ON7912119 SIC Code: SIC Description: Approval Years: As of Oct 2019 PO Box No: Country: Canada				Status: Registered Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
Detail(s)					
Waste Class: 212 I Waste Class Desc: Aliphatic solvents and residues					
21	1 of 2	SE/119.7	84.6 / -0.76	80 Hines Road n/a ON K2K 2T8	EHS
Order No: 20060623001w Status: C Report Type: Online Mapless Report Date: 6/23/2006 Date Received: 6/23/2006 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Municipality: Client Prov/State: CA Search Radius (km): 0.25 X: Y:	
21	2 of 2	SE/119.7	84.6 / -0.76	AMCC 80 Hines Rd. Kanata ON K2K 2T8	GEN
Generator No: ON4203674 SIC Code: 339990 SIC Description: All Other Miscellaneous Manufacturing Approval Years: 06,07,08 PO Box No: Country:				Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
Detail(s)					
Waste Class: 251 Waste Class Desc: OIL SKIMMINGS & SLUDGES					
Waste Class: 252 Waste Class Desc: WASTE OILS & LUBRICANTS					
Waste Class: 263 Waste Class Desc: ORGANIC LABORATORY CHEMICALS					
22	1 of 1	E/128.9	81.4 / -3.88	600 March Road Kanata ON K2K 2T6	EHS
Order No: 22010600440 Status: C Report Type: Custom Report Report Date: 18-JAN-22 Date Received: 06-JAN-22 Previous Site Name: Lot/Building Size: Additional Info Ordered: City Directory; Aerial Photos				Nearest Intersection: Municipality: Kanata Client Prov/State: ON Search Radius (km): .25 X: -75.92100813 Y: 45.34752135	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	1 of 1	N/137.9	81.9 / -3.42	700 March Road Ottawa ON	EHS
Order No:	20080220030			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	2/29/2008			Search Radius (km):	0.25
Date Received:	2/20/2008			X:	-75.924499
Previous Site Name:				Y:	45.349902
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps And /or Site Plans				
24	1 of 17	ENE/142.0	81.8 / -3.48	NEWBRIDGE NETWORK CORPORATION 600 MARCH RD KANATA ON K2K 2E6	SCT
Established:	1986				
Plant Size (ft²):	95000				
Employment:	3000				
--Details--					
Description:	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing				
SIC/NAICS Code:	334220				
Description:	Semiconductor and Other Electronic Component Manufacturing				
SIC/NAICS Code:	334410				
24	2 of 17	ENE/142.0	81.8 / -3.48	NEWBRIDGE NETWORK CORPORATION 600 MARCH RD KANATA ON K2K 2T6	SCT
Established:	1986				
Plant Size (ft²):	95000				
Employment:	1800				
--Details--					
Description:	ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED				
SIC/NAICS Code:	3679				
24	3 of 17	ENE/142.0	81.8 / -3.48	Alcatel Canada Inc. 600 March Rd Kanata ON K2K 2T6	SCT
Established:	1986				
Plant Size (ft²):	95000				
Employment:	000				
--Details--					
Description:	Computer and Peripheral Equipment Manufacturing				
SIC/NAICS Code:	334110				
Description:	Telephone Apparatus Manufacturing				
SIC/NAICS Code:	334210				
Description:	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing				
SIC/NAICS Code:	334220				
Description:	Semiconductor and Other Electronic Component Manufacturing				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		334410			
24	4 of 17	ENE/142.0	81.8 / -3.48	ALCATEL CANADA INC. 600 MARCH ROAD KANATA ON K2K 2E6	GEN
Generator No:	ON0044812			Status:	
SIC Code:	3351			Co Admin:	
SIC Description:	TELECOMMUNICATIONS			Choice of Contact:	
Approval Years:	00,01,02,03,04,05,06,07,08			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
24	5 of 17	ENE/142.0	81.8 / -3.48	Alcatel-Lucent Canada Inc. 600 March Rd Kanata ON K2K 2T6	SCT
Established:	01-JUN-86				
Plant Size (ft²):	95000				
Employment:					
<u>--Details--</u>					
Description:	Semiconductor and Other Electronic Component Manufacturing				
SIC/NAICS Code:	334410				
Description:	Semiconductor and Other Electronic Component Manufacturing				
SIC/NAICS Code:	334410				
Description:	Computer and Peripheral Equipment Manufacturing				
SIC/NAICS Code:	334110				
Description:	Telephone Apparatus Manufacturing				
SIC/NAICS Code:	334210				
Description:	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing				
SIC/NAICS Code:	334220				
24	6 of 17	ENE/142.0	81.8 / -3.48	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
Generator No:	ON0044812			Status:	
SIC Code:	513390			Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	2009			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

24	7 of 17	ENE/142.0	81.8 / -3.48	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
Generator No:	ON0044812			Status:	
SIC Code:	513390			Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	2010			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

<u>Detail(s)</u>					
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			

24	8 of 17	ENE/142.0	81.8 / -3.48	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
Generator No:	ON0044812			Status:	
SIC Code:	513390			Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	2011			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

<u>Detail(s)</u>					
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			

24	9 of 17	ENE/142.0	81.8 / -3.48	ALCATEL CANADA INC. 600 March Road Kanata ON K2K 2T6	GEN
Generator No:	ON0044812			Status:	
SIC Code:	513390			Co Admin:	
SIC Description:				Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: 2012				Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: 121					
Waste Class Desc: ALKALINE WASTES - HEAVY METALS					
Waste Class: 146					
Waste Class Desc: OTHER SPECIFIED INORGANICS					
Waste Class: 212					
Waste Class Desc: ALIPHATIC SOLVENTS					
24	10 of 17	ENE/142.0	81.8 / -3.48	ALCATEL CANADA INC. 600 March Road Kanata ON	GEN
Generator No: ON0044812				Status:	
SIC Code: 513390				Co Admin:	
SIC Description: OTHER TELECOMMUNICATIONS				Choice of Contact:	
Approval Years: 2013				Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: 242					
Waste Class Desc: HALOGENATED PESTICIDES					
Waste Class: 122					
Waste Class Desc: ALKALINE WASTES - OTHER METALS					
Waste Class: 252					
Waste Class Desc: WASTE OILS & LUBRICANTS					
Waste Class: 331					
Waste Class Desc: WASTE COMPRESSED GASES					
Waste Class: 148					
Waste Class Desc: INORGANIC LABORATORY CHEMICALS					
Waste Class: 212					
Waste Class Desc: ALIPHATIC SOLVENTS					
Waste Class: 146					
Waste Class Desc: OTHER SPECIFIED INORGANICS					
Waste Class: 213					
Waste Class Desc: PETROLEUM DISTILLATES					
Waste Class: 263					
Waste Class Desc: ORGANIC LABORATORY CHEMICALS					
Waste Class: 121					
Waste Class Desc: ALKALINE WASTES - HEAVY METALS					
24	11 of 17	ENE/142.0	81.8 / -3.48	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN
Generator No: ON0044812				Status:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code:	513390			Co Admin:	
SIC Description:	OTHER TELECOMMUNICATIONS			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				

[24](#) 12 of 17 **ENE/142.0** **81.8 / -3.48** **ALCATEL CANADA INC.**
600 March Road
Kanata ON K2K 2E6 **GEN**

Generator No:	ON0044812	Status:	
SIC Code:	513390	Co Admin:	
SIC Description:	OTHER TELECOMMUNICATIONS	Choice of Contact:	CO_OFFICIAL
Approval Years:	2015	Phone No Admin:	
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

Detail(s)

Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			

24 13 of 17 **ENE/142.0** **81.8 / -3.48** **ALCATEL CANADA INC.**
600 March Road
Kanata ON K2K 2E6 **GEN**

Generator No:	ON0044812	Status:	
SIC Code:	513390	Co Admin:	
SIC Description:	OTHER TELECOMMUNICATIONS	Choice of Contact:	CO_OFFICIAL
Approval Years:	2014	Phone No Admin:	
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

Detail(s)

Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			

24	14 of 17	ENE/142.0	81.8 / -3.48	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN
Generator No:	ON0044812			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Detail(s)

Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	146 R
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	148 B
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	148 I
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	212 I
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	213 I
Waste Class Desc:	Petroleum distillates
Waste Class:	242 A
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
24	15 of 17	ENE/142.0	81.8 / -3.48	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN
Generator No:	ON0044812			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		242 A			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		112 C			
Waste Class Desc:		Acid solutions - containing heavy metals			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		121 C			
Waste Class Desc:		Alkaline slutions - containing heavy metals			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		148 B			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
24	16 of 17	ENE/142.0	81.8 / -3.48	NOKIA CANADA 600 March Road	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Kanata ON K2K 2E6

Generator No:	ON0044812	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Jan 2021	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	146 R
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	213 I
Waste Class Desc:	Petroleum distillates
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	148 I
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	148 B
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	212 I
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	242 A
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders

24	17 of 17	ENE/142.0	81.8 / -3.48	NOKIA CANADA 600 March Road Kanata ON K2K 2E6	GEN
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Generator No:	ON0044812	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: PO Box No: Country:	As of Feb 2022 Canada			Phone No Admin: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	146 R Other specified inorganic sludges, slurries or solids				
Waste Class: Waste Class Desc:	212 I Aliphatic solvents and residues				
Waste Class: Waste Class Desc:	212 L Aliphatic solvents and residues				
Waste Class: Waste Class Desc:	112 C Acid solutions - containing heavy metals				
Waste Class: Waste Class Desc:	122 C Alkaline slutions - containing other metals and non-metals (not cyanide)				
Waste Class: Waste Class Desc:	146 T Other specified inorganic sludges, slurries or solids				
Waste Class: Waste Class Desc:	252 L Waste crankcase oils and lubricants				
Waste Class: Waste Class Desc:	213 I Petroleum distillates				
Waste Class: Waste Class Desc:	242 A Halogenated pesticides and herbicides				
Waste Class: Waste Class Desc:	263 I Misc. waste organic chemicals				
Waste Class: Waste Class Desc:	121 C Alkaline slutions - containing heavy metals				
Waste Class: Waste Class Desc:	331 I Waste compressed gases including cylinders				
Waste Class: Waste Class Desc:	148 I Misc. wastes and inorganic chemicals				
Waste Class: Waste Class Desc:	145 I Wastes from the use of pigments, coatings and paints				
Waste Class: Waste Class Desc:	148 B Misc. wastes and inorganic chemicals				

[25](#)

1 of 4

WSW/149.5

88.9 / 3.54

Innovation Blvd. I, LLC
383 Terry Fox Dr
Ottawa ON 19801

ECA

Approval No: 5170-A9GS6E
Approval Date: 2016-06-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Innovation Blvd. I, LLC

MOE District: Ottawa
City:
Longitude: -76.68695
Latitude: 45.492963
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Address:		383 Terry Fox Dr			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/9354-A53RVC-14.pdf			
PDF Site Location:					
25	2 of 4	WSW/149.5	88.9 / 3.54	Innovation Blvd. I, LLC 5050 Innovation Dr 383/385 Terry Fox Drive Ottawa ON 19801	ECA
Approval No:		3893-A7QRXU		MOE District:	
Approval Date:		2016-03-11		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:		Innovation Blvd. I, LLC			
Address:		5050 Innovation Dr 383/385 Terry Fox Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/0930-A7PQKT-14.pdf			
PDF Site Location:					
25	3 of 4	WSW/149.5	88.9 / 3.54	Innovation Blvd. I, LLC 383 Terry Fox Dr Ottawa ON 19801	ECA
Approval No:		5197-A8RR3D		MOE District: Ottawa	
Approval Date:		2016-04-13		City:	
Status:		Approved		Longitude: -76.68695	
Record Type:		ECA		Latitude: 45.492963	
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:		Innovation Blvd. I, LLC			
Address:		383 Terry Fox Dr			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/1472-A53RYT-14.pdf			
PDF Site Location:					
25	4 of 4	WSW/149.5	88.9 / 3.54	383 Terry Fox Dr Ottawa ON K2K0L1	EHS
Order No:		20170601043		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		06-JUN-17		Search Radius (km): .25	
Date Received:		01-JUN-17		X: -75.927303	
Previous Site Name:				Y: 45.346125	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			
26	1 of 4	N/151.6	81.1 / -4.22	MKB RESTAURANTS (CS) LIMITED 700 MARCH ROAD KANATA CITY ON K2K 2V9	CA
Certificate #:		8-4213-94-			
Application Year:		94			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Issue Date:		12/16/1994			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		KITCHEN EXH. HOOD FOR BURGER KING REST.			
Contaminants:		Odour/Fumes			
Emission Control:		No Controls			
26	2 of 4	N/151.6	81.1 / -4.22	RAJANS PHARMACIES LTD. 700 MARCH ROAD KANATA ON K2K 2V9	GEN
Generator No:		ON2560500		Status:	
SIC Code:		6031		Co Admin:	
SIC Description:		PHARMACIES		Choice of Contact:	
Approval Years:		00,01		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
26	3 of 4	N/151.6	81.1 / -4.22	Amika Mobile Corporation 700 March Rd Suite 203 Kanata ON K2K 2V9	SCT
Established:		01-AUG-07			
Plant Size (ft²):					
Employment:					
<u>--Details--</u>					
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			
Description:		Software Publishers			
SIC/NAICS Code:		511210			
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			
26	4 of 4	N/151.6	81.1 / -4.22	Kanata North Medical Centre 700 March Rd Kanata ON K2K 2V9	GEN
Generator No:		ON4413511		Status:	
SIC Code:		621110		Co Admin:	
SIC Description:		Offices of Physicians		Choice of Contact:	
Approval Years:		2010		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
27	1 of 16	S/172.7	84.8 / -0.52	1000 Innovation Drive Ottawa ON	EHS
Order No:		20040506006		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Complete Report		Client Prov/State: ON	
Report Date:		5/10/04		Search Radius (km): 0.25	
Date Received:		5/6/04		X: -75.92365	
Previous Site Name:				Y: 45.343907	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			
27	2 of 16	S/172.7	84.8 / -0.52	Entrust 1000 Innovation Drive Ottawa ON K2K 3E7	GEN
Generator No:		ON4613717		Status:	
SIC Code:		541510		Co Admin:	
SIC Description:		Computer Systems Design and Related Services		Choice of Contact:	
Approval Years:		04		Phone No Admin:	
PO Box No:					
Country:		MHSW Facility:			
27	3 of 16	S/172.7	84.8 / -0.52	1000 Innovation Drive Kanata (Ottawa) ON K2K 3E7	EHS
Order No:		20051121023		Nearest Intersection: March Road and Solandt Road	
Status:		C		Municipality: Ottawa-Carleton	
Report Type:		Complete Report		Client Prov/State: ON	
Report Date:		11/30/2005		Search Radius (km): 0.25	
Date Received:		11/21/2005		X: -75.924803	
Previous Site Name:					
Lot/Building Size:		14.2 acres			
Additional Info Ordered:		City Directory			
27	4 of 16	S/172.7	84.8 / -0.52	1000 Innovation Drive Ottawa ON	EHS
Order No:		20080905014		Nearest Intersection: Hines Road	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State: ON	
Report Date:		9/15/2008		Search Radius (km): 0.25	
Date Received:		9/5/2008		X: -75.92447	
Previous Site Name:					
Lot/Building Size:		8.8 acres			
Additional Info Ordered:		City Directory			
27	5 of 16	S/172.7	84.8 / -0.52	GE Canada Real Estate Equity Company 1000 Innovation Drive Ottawa K2K 3E7 CITY OF OTTAWA ON	EBR

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
EBR Registry No: 010-4989 Ministry Ref No: 7356-7JTKTN Notice Type: Instrument Decision Notice Stage: Notice Date: January 19, 2009 Proposal Date: October 22, 2008 Year: 2008 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: GE Canada Real Estate Equity Company Site Address: Location Other: Proponent Name: Proponent Address: 222 Queen Street , Suite 300, Ottawa Ontario, Canada K1P 5V9 Comment Period: URL: Site Location Details: 1000 Innovation Drive Ottawa K2K 3E7 CITY OF OTTAWA					
27	6 of 16	S/172.7	84.8 / -0.52	GE Canada Real Estate Equity Company 1000 Innovation Dr Ottawa ON	CA
Certificate #: 3393-7N3SYQ Application Year: 2009 Issue Date: 1/9/2009 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
27	7 of 16	S/172.7	84.8 / -0.52	Plasco Energy Group Inc. 1000 Innovation Dr Suite 400 Kanata ON K2K 3E7	SCT
Established: 01-NOV-86 Plant Size (ft²): Employment: --Details-- Description: Waste Treatment and Disposal SIC/NAICS Code: 562210					
27	8 of 16	S/172.7	84.8 / -0.52	1000 Innovation Drive Ottawa ON	EHS
Order No: 20110125031 Status: C Report Type: Site Report Report Date: 1/26/2011 Nearest Intersection: Municipality: Client Prov/State: DC Search Radius (km): 0.25					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Received:		1/25/2011 4:07:29 PM		X:	-75.924079
Previous Site Name:				Y:	45.34367
Lot/Building Size:					
Additional Info Ordered:					
27	9 of 16	S/172.7	84.8 / -0.52	Innovation Blvd. I, LLC 1000 Innovation Dr Ottawa ON 19801	ECA
Approval No:		1068-A9UNQH		MOE District:	Ottawa
Approval Date:		2016-08-21		City:	
Status:		Approved		Longitude:	-75.92485
Record Type:		ECA		Latitude:	45.344353
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		Innovation Blvd. I, LLC			
Address:		1000 Innovation Dr			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/1592-A59QZK-14.pdf			
PDF Site Location:					
27	10 of 16	S/172.7	84.8 / -0.52	GE Canada Real Estate Equity Company 1000 Innovation Dr Ottawa ON K1P 5V9	ECA
Approval No:		3393-7N3SYQ		MOE District:	Ottawa
Approval Date:		2009-01-09		City:	
Status:		Approved		Longitude:	-75.92485
Record Type:		ECA		Latitude:	45.344353
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-AIR			
Project Type:		AIR			
Business Name:		GE Canada Real Estate Equity Company			
Address:		1000 Innovation Dr			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/7356-7JTKTN-14.pdf			
PDF Site Location:					
27	11 of 16	S/172.7	84.8 / -0.52	COMINAR REAL ESTATE INVESTMENT TRUST 1000 Innovation Dr Ottawa ON K2K 3E7	GEN
Generator No:		ON5667479		Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:		As of Dec 2017		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:		Canada		MHSW Facility:	
Detail(s)					
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
27	12 of 16	S/172.7	84.8 / -0.52	1000 Innovation Dr Ottawa ON K2K3E7	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No:	20161101036			Nearest Intersection:	
Status:	C			Municipality:	City of Ottawa
Report Type:	Standard Select Report			Client Prov/State:	QC
Report Date:	07-NOV-16			Search Radius (km):	.25
Date Received:	01-NOV-16			X:	-75.924817
Previous Site Name:				Y:	45.344594
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

27	13 of 16	S/172.7	84.8 / -0.52	Juniper Networks Canada Inc 1000 Innovation Drive Kanata ON K2K 3E7	GEN
Generator No:	ON7551418			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	145 H				
Waste Class Desc:	Wastes from the use of pigments, coatings and paints				
Waste Class:	148 C				
Waste Class Desc:	Misc. wastes and inorganic chemicals				
Waste Class:	148 I				
Waste Class Desc:	Misc. wastes and inorganic chemicals				
Waste Class:	263 I				
Waste Class Desc:	Misc. waste organic chemicals				
Waste Class:	331 I				
Waste Class Desc:	Waste compressed gases including cylinders				

27	14 of 16	S/172.7	84.8 / -0.52	Juniper Networks Canada Inc 1000 Innovation Drive Kanata ON K2K 3E7	GEN
Generator No:	ON7551418			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	263 I				
Waste Class Desc:	Misc. waste organic chemicals				
Waste Class:	145 H				
Waste Class Desc:	Wastes from the use of pigments, coatings and paints				
Waste Class:	148 I				
Waste Class Desc:	Misc. wastes and inorganic chemicals				
Waste Class:	148 C				
Waste Class Desc:	Misc. wastes and inorganic chemicals				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
27	15 of 16	S/172.7	84.8 / -0.52	Juniper Networks Canada Inc 1000 Innovation Drive Kanata ON K2K 3E7	GEN
Generator No:	ON7551418			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jan 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		145 H			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
27	16 of 16	S/172.7	84.8 / -0.52	1000 Innovation Drive Kanata ON K2K 3E7	EHS
Order No:	22011700061			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	QC
Report Date:	24-JAN-22			Search Radius (km):	.25
Date Received:	17-JAN-22			X:	-75.9245213
Previous Site Name:				Y:	45.344066
Lot/Building Size:					
Additional Info Ordered:					
28	1 of 3	SE/181.4	83.9 / -1.46	70 Hines Rd. Kanata ON K2K 2M5	EHS
Order No:	20030506003			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Complete Report			Client Prov/State:	ON
Report Date:	5/14/03			Search Radius (km):	0.35
Date Received:	5/6/03			X:	-75.922054
Previous Site Name:				Y:	45.345364
Lot/Building Size:					
Additional Info Ordered:					
28	2 of 3	SE/181.4	83.9 / -1.46	2117547 Ontario Inc. 70 Hines Rd Ottawa ON	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Certificate #:		1183-8GPFW8			
Application Year:		2011			
Issue Date:		5/20/2011			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

[28](#) 3 of 3 SE/181.4 83.9 / -1.46 2117547 Ontario Inc.
70 Hines Rd
Ottawa ON K2V 1B8 ECA

Approval No:	1183-8GPFW8	MOE District:	Ottawa
Approval Date:	2011-05-20	City:	
Status:	Approved	Longitude:	-75.92153
Record Type:	ECA	Latitude:	45.34491
Link Source:	IDS	Geometry X:	
SWP Area Name:	Mississippi Valley	Geometry Y:	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Business Name:	2117547 Ontario Inc.		
Address:	70 Hines Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4593-89YRCE-14.pdf		
PDF Site Location:			

[29](#) 1 of 1 SE/186.7 83.9 / -1.43 Rogers Communications Inc.
70 Hines Rd.; 70 Hines Rd
Ottawa; Ottawa ON K2K 2M5 SPL

Ref No:	4845-BF9RH6	Discharger Report:	
Site No:	NA; 3801-89YRCZ	Material Group:	
Incident Dt:	8/20/2019	Health/Env Conseq:	2 - Minor Environment
Year:		Client Type:	Corporation
Incident Cause:		Sector Type:	Unknown / N/A
Incident Event:	Leak/Break	Agency Involved:	
Contaminant Code:	13	Nearest Watercourse:	
Contaminant Name:	DIESEL FUEL	Site Address:	70 Hines Rd.; 70 Hines Rd
Contaminant Limit 1:		Site District Office:	Ottawa; Ottawa
Contam Limit Freq 1:		Site Postal Code:	K2K 2M5
Contaminant UN No 1:	1202	Site Region:	Eastern
Environment Impact:		Site Municipality:	Ottawa; Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	NA
Receiving Env:	Land; Source Water Zone	Northing:	NA
MOE Response:	No	Easting:	NA
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	NA
MOE Reported Dt:	8/21/2019	Site Map Datum:	NA
Dt Document Closed:		SAC Action Class:	Land Spills
Incident Reason:	Material Failure - Poor Design/Substandard Material	Source Type:	Valve/Fitting/Piping
Site Name:	Legion Branch 638<UNOFFICIAL>; 70 Hines Road		
Site County/District:	NA		
Site Geo Ref Meth:	NA		
Incident Summary:	Rogers: ~150-250L diesel to ground/cracked line		
Contaminant Qty:	250 L		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	1 of 1	SSE/189.4	83.8 / -1.49	1145 Innovation Drive Ottawa (Kanata) ON K2K 3G8	EHS
Order No:	20150415063			Nearest Intersection:	
Status:	C			Municipality:	Ottawa (Kanata)
Report Type:	Standard Express Report			Client Prov/State:	ON
Report Date:	15-APR-15			Search Radius (km):	.25
Date Received:	15-APR-15			X:	-75.923099
Previous Site Name:				Y:	45.344024
Lot/Building Size:					
Additional Info Ordered:	City Directory; Aerial Photos				
31	1 of 2	SE/210.8	83.3 / -2.00	COLONNADE DEVELOPMENT INC. 60 HINES RD., PH. 1, SWM KANATA ON K2K 2M5	CA
Certificate #:	3-1606-98-				
Application Year:	98				
Issue Date:	10/26/1998				
Approval Type:	Municipal sewage				
Status:	Cancelled				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
31	2 of 2	SE/210.8	83.3 / -2.00	COLONNADE DEVELOPMENT INC. SWM-60 HINES RD.PH.2 KANATA ON K2K 2M5	CA
Certificate #:	3-1697-98-				
Application Year:	98				
Issue Date:	11/5/1998				
Approval Type:	Municipal sewage				
Status:	Cancelled				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
32	1 of 1	SSE/211.0	83.9 / -1.46	1125-35-45 Innovation Drive Ottawa ON	EHS
Order No:	20040506007			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Complete Report			Client Prov/State:	ON
Report Date:	5/10/04			Search Radius (km):	0.25
Date Received:	5/6/04			X:	-75.923285
Previous Site Name:				Y:	45.343769
Lot/Building Size:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			

33	1 of 1	W/221.0	89.9 / 4.54	ON	BORE
Borehole ID:	609787			Inclin FLG:	No
OGF ID:	215511402			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:	1.8			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.347658
Total Depth m:	-999			Longitude DD:	-75.929436
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	427191
Drill Method:				Northing:	5021992
Orig Ground Elev m:	83.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	86				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218384088			Mat Consistency:	
Top Depth:	14.9			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:	Black			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Sandstone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK,SANDSTONE. WATER STABLE AT 269.0 FEET.BLACK. GRANITE. GREY. GRANITE. BLACK. 000 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	218384087			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	14.9			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:	M			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 022950 NTS_Sheet: 31G05D				
Confiden 1:	Reliable information but incomplete.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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				
34	1 of 1	WNW/222.2	86.5 / 1.22	MAKE IT GREEN FLORIST LTD 10 ACKLAM TERR KANATA ON K2K2G9	PES
Detail Licence No:				Operator Box:	
Licence No:	14493			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	613
Licence Type:	Limited Vendor			Oper Phone No:	5999059
Licence Type Code:	23			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					
PDF Site Location:					
35	1 of 2	WNW/223.0	86.5 / 1.22	MAKE IT GREEN FLORIST LTD 10 ACKLAM TERR KANATA ON K2K 2G9	PES
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	Vendor
Report Source:				Oper Area Code:	
Licence Type:				Oper Phone No:	
Licence Type Code:				Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF URL:					
PDF Site Location:					
35	2 of 2	WNW/223.0	86.5 / 1.22	MAKE IT GREEN FLORIST LTD 10 ACKLAM TERR KANATA ON K2K 2G9	PES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF URL: PDF Site Location:				Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
36	1 of 9	SSE/234.6	83.9 / -1.45	SkyWave Mobile Communications 1145 Innovation Dr Suite 288 Kanata ON K2K 3G8	SCT
Established: Plant Size (ft²): Employment:		01-AUG-97			
--Details--					
Description:		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
SIC/NAICS Code:		334220			
Description:		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
SIC/NAICS Code:		334220			
36	2 of 9	SSE/234.6	83.9 / -1.45	1145 Innovation Drive Ottawa ON	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20110125030 C Site Report 1/26/2011 1/25/2011 4:06:27 PM	Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:		
			DC 0.25 -75.923488 45.343515		
36	3 of 9	SSE/234.6	83.9 / -1.45	SKYWAVE MOBILE COMMUNICATIONS 1145 INNOVATION DRIVE SUITE 288 KANATA ON K2K 3G8	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:		ON5792229 517910 Other Telecommunications 2010	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:		

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
36	4 of 9	SSE/234.6	83.9 / -1.45	SKYWAVE MOBILE COMMUNICATIONS 1145 INNOVATION DRIVE SUITE 288 KANATA ON K2K 3G8	GEN
Generator No:	ON5792229			Status:	
SIC Code:	517910			Co Admin:	
SIC Description:	Other Telecommunications			Choice of Contact:	
Approval Years:	2011			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
36	5 of 9	SSE/234.6	83.9 / -1.45	GAN SYSTEMS 1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	GEN
Generator No:	ON5466624			Status:	
SIC Code:	335990			Co Admin:	James Rourke
SIC Description:	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	613-226-9125 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
36	6 of 9	SSE/234.6	83.9 / -1.45	GAN SYSTEMS 1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	GEN
Generator No:	ON5466624			Status:	
SIC Code:	335990			Co Admin:	
SIC Description:	ALL OTHER ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
36	7 of 9	SSE/234.6	83.9 / -1.45	GAN SYSTEMS 1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	GEN
Generator No:	ON5466624			Status:	Registered
SIC Code:				Co Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description: Approval Years: As of Dec 2018 PO Box No: Country: Canada				Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: 212 I Waste Class Desc: Aliphatic solvents and residues					
36	8 of 9	SSE/234.6	83.9 / -1.45	GAN SYSTEMS 1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	GEN
Generator No: ON5466624 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: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: 212 I Waste Class Desc: Aliphatic solvents and residues					
36	9 of 9	SSE/234.6	83.9 / -1.45	GAN SYSTEMS 1145 INNOVATION DRIVE OTTAWA ON K2K 3G8	GEN
Generator No: ON5466624 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: Contam. Facility: MHSW Facility:	
<u>Detail(s)</u>					
Waste Class: 212 I Waste Class Desc: Aliphatic solvents and residues					
37	1 of 5	ESE/238.8	83.0 / -2.37	Texas Instruments Canada Ltd. 505 March Rd Suite 200 Ottawa ON K2K 3A4	SCT
Established: 1962 Plant Size (ft²): Employment: 21					
--Details--					
Description: Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors SIC/NAICS Code: 417320					
37	2 of 5	ESE/238.8	83.0 / -2.37	505 March Road Ottawa ON	EHS
Order No: 20050314003w		Nearest Intersection:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: C Report Type: Report Date: 3/14/2005 10:08:25 AM Date Received: 3/14/2005 10:08:25 AM Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Municipality: Client Prov/State: MA Search Radius (km): 0.25 X: 0 Y: 0					
37	3 of 5	ESE/238.8	83.0 / -2.37	Texas Instruments Canada Ltd. 505 March Rd Suite 200 Kanata ON K2K 3A4	SCT
Established: 01-AUG-62 Plant Size (ft²): Employment:					
--Details--					
Description: Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors SIC/NAICS Code: 417320					
37	4 of 5	ESE/238.8	83.0 / -2.37	Telus Health Solutions Inc. 505 March Rd Suite 450 Kanata ON K2K 3A4	SCT
Established: Plant Size (ft²): Employment:					
--Details--					
Description: Computer Systems Design and Related Services SIC/NAICS Code: 541510					
Description: Software Publishers SIC/NAICS Code: 511210					
37	5 of 5	ESE/238.8	83.0 / -2.37	Colonnade Management<UNOFFICIAL> 505 March Road Ottawa ON K2K 3A4	SPL
Ref No: 7635-8J2NEM Site No: Incident Dt: 6/19/2011 Year: Incident Cause: Discharge or Emission to Air Incident Event: Contaminant Code: 38 Contaminant Name: REFRIGERANT GAS, N.O.S. Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Receiving Medium: Sewage - Municipal/Private and Commercial Receiving Env: MOE Response: No Field Response Dt MOE Arvl on Scn: MOE Reported Dt: 6/21/2011 Dt Document Closed: 12/3/2011 Incident Reason:					
Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Other Agency Involved: Nearest Watercourse: Site Address: 505 March Road Site District Office: Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Air Spills - Gases and Vapours Source Type:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Name:		circuit #2<UNOFFICIAL>			
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:		Kanata North Tech Park: 90 lbs R407C to atm			
Contaminant Qty:		41 kg			
38	1 of 1	NNW/241.8	81.3 / -4.03	710 March Road Kanata ON K2K 2V9	EHS
Order No:	20180725032			Nearest Intersection:	
Status:	C			Municipality:	Formerly in Township of March, now in City of Kanata, Regional Municipality of Ottawa-Carleton
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	31-JUL-18			Search Radius (km):	.25
Date Received:	25-JUL-18			X:	-75.925508
Previous Site Name:	977762 Ontario Lts. under deed of sale registered as Instrument Number 811083 on December 22, 1992.			Y:	45.350826
Lot/Building Size:	236,980 square feet (5.44 acres) commercial development site				
Additional Info Ordered:					
39	1 of 1	NNW/244.9	80.8 / -4.51	706, 710, and 714 March Road Ottawa ON K2K 2R9	EHS
Order No:	21092800629			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	01-OCT-21			Search Radius (km):	.25
Date Received:	28-SEP-21			X:	-75.9253545
Previous Site Name:				Y:	45.3508717
Lot/Building Size:					
Additional Info Ordered:					
40	1 of 1	SSE/251.9	83.9 / -1.46	1125 Innovation Drive Ottawa ON	EHS
Order No:	20160112072			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	19-JAN-16			Search Radius (km):	.25
Date Received:	12-JAN-16			X:	-75.923022
Previous Site Name:				Y:	45.343442
Lot/Building Size:					
Additional Info Ordered: Aerial Photos					
41	1 of 16	SE/253.2	82.8 / -2.53	EXCALIBUR SYSTEMS LTD. 50 Hines Rd Kanata ON K2K 2M5	SCT
Established:	1988				
Plant Size (ft²):	10000				
Employment:	21				
--Details--					
Description:	All Other General-Purpose Machinery Manufacturing				
SIC/NAICS Code:	333990				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Navigational and Guidance Instruments Manufacturing			
SIC/NAICS Code:		334511			
Description:		Manufacturing and Reproducing Magnetic and Optical Media			
SIC/NAICS Code:		334610			
41	2 of 16	SE/253.2	82.8 / -2.53	HUBER & SUHNER CANADA 50 HINES ROAD KANATA ON K2K 2M5	GEN
Generator No:	ON2494100			Status:	
SIC Code:	4821			Co Admin:	
SIC Description:	TELECOMMUN. CARRRIERS			Choice of Contact:	
Approval Years:	99,00,01,03			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
41	3 of 16	SE/253.2	82.8 / -2.53	HUBER & SUHNER CANADA 50 HINES ROAD KANATA ON K2K 2M5	GEN
Generator No:	ON2494100			Status:	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	02			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
41	4 of 16	SE/253.2	82.8 / -2.53	HUBER & SUHNER CANADA 50 HINES ROAD KANATA ON K2K 2M5	GEN
Generator No:	ON2494100			Status:	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	04			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	5 of 16	SE/253.2	82.8 / -2.53	DRS EW & Network Systems 50 Hines Rd Kanata ON K2K 2M5	SCT
Established:		1988			
Plant Size (ft²):		10000			
Employment:		25			
--Details--					
Description:		All Other General-Purpose Machinery Manufacturing			
SIC/NAICS Code:		333990			
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Navigational and Guidance Instruments Manufacturing			
SIC/NAICS Code:		334511			
Description:		Manufacturing and Reproducing Magnetic and Optical Media			
SIC/NAICS Code:		334610			
41	6 of 16	SE/253.2	82.8 / -2.53	WorkDynamics Technologies 50 Hines Rd Suite 220 Kanata ON K2K 2M5	SCT
Established:		01-OCT-98			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			
41	7 of 16	SE/253.2	82.8 / -2.53	DRS EW & Network Systems (Canada) Ltd. 50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa ON	EBR
EBR Registry No:		IA04E1366		Decision Posted:	
Ministry Ref No:		5540-654NXU		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:				Act 1:	
Notice Date:		February 22, 2005		Act 2:	
Proposal Date:		September 24, 2004		Site Location Map:	
Year:		2004			
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:		DRS EW & Network Systems (Canada) Ltd.			
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:		50 Hines Road, Suite 200, Ottawa Ontario, K2K 2M5			
Comment Period:					
URL:					
Site Location Details:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50 Hines Road, Suite 200 Ottawa Ontario K2K 2M5 Ottawa					
41	8 of 16	SE/253.2	82.8 / -2.53	Power Integrations Canada Inc. 50 Hines Rd Suite 240 Kanata ON K2K 2M5	SCT
Established:		01-AUG-00			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Research and Development in the Physical, Engineering and Life Sciences			
SIC/NAICS Code:		541710			
41	9 of 16	SE/253.2	82.8 / -2.53	OneChip Photonics Inc. 50 Hines Rd Suite 200 Kanata ON K2K 2M5	SCT
Established:		8/1/2005			
Plant Size (ft²):		17000			
Employment:					
--Details--					
Description:		Commercial and Service Industry Machinery Manufacturing			
SIC/NAICS Code:		333310			
41	10 of 16	SE/253.2	82.8 / -2.53	Cyrium Technologies Incorporated 50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA ON	EBR
EBR Registry No:		010-9829		Decision Posted:	
Ministry Ref No:		5633-84JKT3		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:				Act 1:	
Notice Date:		January 07, 2011		Act 2:	
Proposal Date:		April 27, 2010		Site Location Map:	
Year:		2010			
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:		Cyrium Technologies Incorporated			
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:		50 Hines Road , Suite 200, Kanata Ontario, Canada K2K 2M5			
Comment Period:					
URL:					
Site Location Details:					
50 Hines Road Unit Suite 200 Ottawa K2K 2M5 CITY OF OTTAWA					
41	11 of 16	SE/253.2	82.8 / -2.53	Cyrium Technologies Incorporated 50 Hines Rd Kanata	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				Ottawa ON	
				Certificate #: 0093-89LSKT Application Year: 2010 Issue Date: 12/15/2010 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
41	12 of 16	SE/253.2	82.8 / -2.53	DRS EW & Network Systems (Canada) Ltd. 50 Hines Road, Suite 200 Ottawa ON	CA
				Certificate #: 0429-69NPJ2 Application Year: 2005 Issue Date: 2/16/2005 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
41	13 of 16	SE/253.2	82.8 / -2.53	Merge Healthcare Incorporated 50 Hines Rd Suite 120 Kanata ON K2K 2M5	SCT
				Established: Plant Size (ft²): Employment: --Details-- Description: Software Publishers SIC/NAICS Code: 511210 Description: Software Publishers SIC/NAICS Code: 511210	
41	14 of 16	SE/253.2	82.8 / -2.53	GaN Systems Inc. 50 Hines road, suite 204 Ottawa ON	GEN
				Generator No: ON8149211 SIC Code: 334290 SIC Description: OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING Approval Years: 2013 PO Box No:	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Country:				MHSW Facility:	
Detail(s)					
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
41	15 of 16	SE/253.2	82.8 / -2.53	Cyrium Technologies Incorporated 50 Hines Rd Kanata Ottawa ON	ECA
Approval No:	0093-89LSKT			MOE District:	Ottawa
Approval Date:	2010-12-15			City:	
Status:	Approved			Longitude:	-75.921005
Record Type:	ECA			Latitude:	45.344448
Link Source:	IDS			Geometry X:	
SWP Area Name:	Mississippi Valley			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Cyrium Technologies Incorporated				
Address:	50 Hines Rd Kanata				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5633-84JKT3-14.pdf				
PDF Site Location:					
41	16 of 16	SE/253.2	82.8 / -2.53	DRS EW & Network Systems (Canada) Ltd. 50 Hines Road, Suite 200 Ottawa ON K2K 2M5	ECA
Approval No:	0429-69NPJ2			MOE District:	Ottawa
Approval Date:	2005-02-16			City:	
Status:	Approved			Longitude:	-75.921005
Record Type:	ECA			Latitude:	45.344448
Link Source:	IDS			Geometry X:	
SWP Area Name:	Mississippi Valley			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	DRS EW & Network Systems (Canada) Ltd.				
Address:	50 Hines Road, Suite 200				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5540-654NXU-14.pdf				
PDF Site Location:					
42	1 of 5	WSW/267.7	89.9 / 4.54	Ciena Corporation 385 Terry Fox Drive Ottawa ON K2K 0L1	GEN
Generator No:	ON8868469			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 L			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			

42	2 of 5	WSW/267.7	89.9 / 4.54	CIENA CANADA, INC. 385 TERRY FOX DR KANATA ON K2K 0L1	EASR
Approval No:	R-010-5111232610			MOE District:	Ottawa
Status:	REGISTERED			Municipality:	KANATA
Date:	2019-04-23			Latitude:	45.34583333
Record Type:	EASR			Longitude:	-75.92805556
Link Source:	MOFA			Geometry X:	
Project Type:	Air Emissions			Geometry Y:	
Full Address:					
Approval Type:	EASR-Air Emissions				
SWP Area Name:	Mississippi Valley				
PDF URL:					
PDF Site Location:					

42	3 of 5	WSW/267.7	89.9 / 4.54	Ciena Corporation 385 Terry Fox Drive Ottawa ON K2K 0L1	GEN
Generator No:	ON8868469			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Detail(s)

Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	148 I
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	146 T

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		148 L			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			

[42](#) 4 of 5 **WSW/267.7** **89.9 / 4.54** **Ciena Corporation
385 Terry Fox Drive
Ottawa ON K2K 0L1** **GEN**

Generator No:	ON8868469	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Nov 2021	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	148 L
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	148 I
Waste Class Desc:	Misc. wastes and inorganic chemicals

[42](#) 5 of 5 **WSW/267.7** **89.9 / 4.54** **Ciena Corporation
385 Terry Fox Drive
Ottawa ON K2K 0L1** **GEN**

Generator No:	ON8868469	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Feb 2022	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 I			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 L			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			

43	1 of 1	E/268.7	79.9 / -5.46	535 Legget Drive Kanata ON K2K 3B8	EHS
Order No:	20200513064			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	19-MAY-20			Search Radius (km):	.25
Date Received:	13-MAY-20			X:	-75.9192125
Previous Site Name:				Y:	45.3478896
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

44	1 of 1	W/269.4	89.9 / 4.54	6920055 Canada Inc. dba One Call Services 6920055 Canada Inc. dba One Call Services 31 Collingwood Crescent Kanata ON K2K 2G8	GEN
Generator No:	ON6227279			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
Detail(s)					
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				

45	1 of 3	SSE/275.6	83.9 / -1.46	Skyworks Solutions 1135 Innovation Drive Ottawa ON K2K 3G7	GEN
Generator No:	ON5772044			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
Detail(s)					
Waste Class:	267 L				
Waste Class Desc:	Organic acids				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		270 B			
Waste Class Desc:		Other specified organic sludges, slurries or solids			
Waste Class:		232 B			
Waste Class Desc:		Polymeric resins			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
45	2 of 3	SSE/275.6	83.9 / -1.46	Skyworks Solutions 1135 Innovation Drive Ottawa ON K2K 3G7	GEN
Generator No:	ON5772044			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		270 B			
Waste Class Desc:		Other specified organic sludges, slurries or solids			
Waste Class:		267 L			
Waste Class Desc:		Organic acids			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		232 B			
Waste Class Desc:		Polymeric resins			
45	3 of 3	SSE/275.6	83.9 / -1.46	Skyworks Solutions 1135 Innovation Drive Ottawa ON K2K 3G7	GEN
Generator No:	ON5772044			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Feb 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		270 B			
Waste Class Desc:		Other specified organic sludges, slurries or solids			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		267 L			
Waste Class Desc:		Organic acids			
Waste Class:		232 B			
Waste Class Desc:		Polymeric resins			
46	1 of 1	ENE/277.9	79.2 / -6.15	MINTO DEVELOPMENTS INC. LEGGET DR/TERRY FOX DR/SOLANDT KANATA CITY ON	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Certificate #:		3-0976-95-			
Application Year:		95			
Issue Date:		7/20/1995			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

47	1 of 1	SSE/284.8	83.9 / -1.46	1125 Innovation Dr Kanata ON K2K 3G6	EHS
Order No:		21070700496		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State: ON	
Report Date:		12-JUL-21		Search Radius (km): .25	
Date Received:		07-JUL-21		X: -75.92328459	
Previous Site Name:				Y: 45.34308362	
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			

48	1 of 1	NNW/286.9	80.9 / -4.46	706 MARCH ROAD lot 9 con 4 Ottawa ON	WWIS
Well ID:		7328001		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Test Hole		Date Received: 11/19/2018	
Sec. Water Use:		Monitoring		Selected Flag: TRUE	
Final Well Status:		Test Hole		Abandonment Rec:	
Water Type:				Contractor: 7241	
Casing Material:				Form Version: 7	
Audit No:		Z229582		Owner:	
Tag:		A251787		Street Name: 706 MARCH ROAD	
Construction Method:				County: OTTAWA	
Elevation (m):				Municipality: MARCH TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 009	
Well Depth:				Concession: 04	
Overburden/Bedrock:				Concession Name: CON	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/732\7328001.pdf

Additional Detail(s) (Map)

Well Completed Date: 2018/10/09
Year Completed: 2018
Depth (m): 7.62
Latitude: 45.351140880529
Longitude: -75.926079467462
Path: 732\7328001.pdf

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

Bore Hole ID:	1007366157	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	427458.00
Code OB Desc:		North83:	5022376.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	09-Oct-2018 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	1007632396
Layer:	2
Color:	2
General Color:	GREY
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	15
Mat2 Desc:	LIMESTONE
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	0.3100000023841858
Formation End Depth:	7.619999885559082
Formation End Depth UOM:	m

**Overburden and Bedrock
Materials Interval**

Formation ID:	1007632395
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

**Annular Space/Abandonment
Sealing Record**

Plug ID:	1007632405
Layer:	2
Plug From:	0.3100000023841858
Plug To:	4.570000171661377
Plug Depth UOM:	m

Annular Space/Abandonment

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Sealing Record</u>					
Plug ID:		1007632406			
Layer:		3			
Plug From:		4.570000171661377			
Plug To:		7.619999885559082			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1007632404			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1007632403			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007632394			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007632399			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		4.570000171661377			
Casing Diameter:		5.199999809265137			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1007632400			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.570000171661377			
Screen End Depth:		7.619999885559082			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.03000020980835			
<u>Water Details</u>					
Water ID:		1007632398			
Layer:					
Kind Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:					
Water Found Depth:					
Water Found Depth UOM: m					
<u>Hole Diameter</u>					
Hole ID: 1007632397					
Diameter: 8.890000343322754					
Depth From: 0.0					
Depth To: 7.619999885559082					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
49	1 of 18	NNW/287.1	82.0 / -3.37	964299 ONTARIO INC O/A ROB'S SHELL 720 MARCH RD KANATA ON K2K 2R9	FSTH
License Issue Date: 1/11/2002					
Tank Status: Licensed					
Tank Status As Of: August 2007					
Operation Type: Retail Fuel Outlet					
Facility Type: Gasoline Station - Split Serve					
--Details--					
Status: Active					
Year of Installation: 2000					
Corrosion Protection:					
Capacity: 40000					
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
Status: Active					
Year of Installation: 2000					
Corrosion Protection:					
Capacity: 40000					
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
Status: Active					
Year of Installation: 2000					
Corrosion Protection:					
Capacity: 40000					
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
Status: Active					
Year of Installation: 2000					
Corrosion Protection:					
Capacity: 25000					
Tank Fuel Type: Liquid Fuel Double Wall UST - Diesel					
49	2 of 18	NNW/287.1	82.0 / -3.37	21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL> Ottawa ON K2L 1A1	SPL
Ref No: 3784-5K634B					
Site No:					
Incident Dt: 2/26/2003					
Year:					
Incident Cause:					
Incident Event:					
Contaminant Code: 12					
Contaminant Name: GASOLINE					
Contaminant Limit 1:					
Contam Limit Freq 1:					
Discharger Report:					
Material Group: Oil					
Health/Env Conseq:					
Client Type:					
Sector Type:					
Agency Involved:					
Nearest Watercourse:					
Site Address:					
Site District Office: Ottawa					
Site Postal Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Human Health/Safety Receiving Medium: Land Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 2/26/2003 Dt Document Closed: Incident Reason: Site Name: 21777 SHELL GAS STATION 720 MARCH ROAD, KANATA, ON K2L 1A1<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Shell - spill of 25L of gasoline to ground Contaminant Qty: 25 L				Site Region: Eastern Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	

49	3 of 18	NNW/287.1	82.0 / -3.37	964299 ONTARIO INC O/A ROB'S SHELL 720 MARCH RD KANATA ON K2K 2R9	FSTH
License Issue Date: 1/11/2002 Tank Status: Pending Renewal Tank Status As Of: December 2008 Operation Type: Retail Fuel Outlet Facility Type: Gasoline Station - Split Serve					
--Details--					
Status: Active Year of Installation: 2000 Corrosion Protection: Capacity: 35000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
Status: Active Year of Installation: 2000 Corrosion Protection: Capacity: 35000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
Status: Active Year of Installation: 2000 Corrosion Protection: Capacity: 35000 Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline					
Status: Active Year of Installation: 2000 Corrosion Protection: Capacity: 25000 Tank Fuel Type: Liquid Fuel Double Wall UST - Diesel					

49	4 of 18	NNW/287.1	82.0 / -3.37	Shell Canada OP Inc. and Shell Canada Products Limited 720 March Road Ottawa ON	CA
Certificate #: 6201-5R2QCA Application Year: 2003 Issue Date: 10/9/2003 Approval Type: Industrial Sewage Works Status: Approved					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
49	5 of 18	NNW/287.1	82.0 / -3.37	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA ON K2K 2R9	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10281064	Expired Date:	12/11/1999
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		Facility Location:	
Instance Type:	FS Facility	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		
Record Date:	Up to May 2013		

49	6 of 18	NNW/287.1	82.0 / -3.37	2643320 ONTARIO INC. 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
Instance No:	11625653	Manufacturer:			
Status:		Serial No:			
Cont Name:		Ulc Standard:			
Instance Type:	FS Liquid Fuel Tank	Quantity:			
Item:		Unit of Measure:			
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline		
Tank Type:	Double Wall UST	Fuel Type2:	NULL		
Install Date:	8/27/2009 5:35:17 PM	Fuel Type3:	NULL		
Install Year:	2000	Piping Steel:			
Years in Service:		Piping Galvanized:			
Model:	NULL	Tanks Single Wall St:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:				Piping Underground:	
Capacity:	35000			No Underground:	
Tank Material:	Fiberglass (FRP)			Panam Related:	
Corrosion Protect:	Fiberglass			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Location:					
Device Installed Location:	720 MARCH RD KANATA K2K 2R9 ON CA				
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:	2643320 ONTARIO INC.				
Item:	FS LIQUID FUEL TANK				

49	7 of 18	NNW/287.1	82.0 / -3.37	2643320 ONTARIO INC. 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
Instance No:	11625672			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank			Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Double Wall UST			Fuel Type2:	NULL
Install Date:	8/27/2009 5:35:44 PM			Fuel Type3:	NULL
Install Year:	2000			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	35000			No Underground:	
Tank Material:	Fiberglass (FRP)			Panam Related:	
Corrosion Protect:	Fiberglass			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Location:					
Device Installed Location:	720 MARCH RD KANATA K2K 2R9 ON CA				
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:	2643320 ONTARIO INC.				
Item:	FS LIQUID FUEL TANK				

49	8 of 18	NNW/287.1	82.0 / -3.37	2643320 ONTARIO INC. 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
Instance No:	11625723			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank			Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Diesel
Tank Type:	Double Wall UST			Fuel Type2:	NULL
Install Date:	8/27/2009 5:37:19 PM			Fuel Type3:	NULL
Install Year:	2000			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Capacity:	25000			No Underground:	
Tank Material:	Fiberglass (FRP)			Panam Related:	
Corrosion Protect:	Fiberglass			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Location:					
Device Installed Location:	720 MARCH RD KANATA K2K 2R9 ON CA				

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 2643320 ONTARIO INC.
Item: FS LIQUID FUEL TANK

[49](#) 9 of 18 **NNW/287.1** **82.0 / -3.37** **2643320 ONTARIO INC.**
720 MARCH RD KANATA K2K 2R9 ON CA **FST**
ON

Instance No:	11625690	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank	Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Double Wall UST	Fuel Type2:	NULL
Install Date:	8/27/2009 5:36:49 PM	Fuel Type3:	NULL
Install Year:	2000	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	35000	No Underground:	
Tank Material:	Fiberglass (FRP)	Panam Related:	
Corrosion Protect:	Fiberglass	Panam Venue:	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:	FS Gasoline Station - Self Serve		
Facility Location:			
Device Installed Location:	720 MARCH RD KANATA K2K 2R9 ON CA		

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 2643320 ONTARIO INC.
Item: FS LIQUID FUEL TANK

[49](#) 10 of 18 **NNW/287.1** **82.0 / -3.37** **SUNCOR ENERGY PRODUCTS INC**
720 MARCH RD KANATA K2K 2R9 ON CA **DTNK**
ON

Delisted Expired Fuel Safety Facilities

Instance No:	11597541	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	720 MARCH RD KANATA K2K 2R9 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	12/10/1999	Fuel Type 2:	NULL
Instance Install Dt:	12/10/1999	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:26:12 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	NULL				
Original Source:	EXP				
Record Date:	31-JUL-2020				

[49](#) 11 of 18 NNW/287.1 82.0 / -3.37 SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	11597526			Expired Date:	NULL
Status:	EXPIRED			Max Hazard Rank:	NULL
Instance ID:				Facility Location:	720 MARCH RD KANATA K2K 2R9 ON CA
Instance Type:				Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	12/10/1999			Fuel Type 2:	NULL
Instance Install Dt:	12/10/1999			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:26:13 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	NULL				
Original Source:	EXP				
Record Date:	31-JUL-2020				

[49](#) 12 of 18 NNW/287.1 82.0 / -3.37 SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON DTNK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:	11597552			Expired Date:	
Status:	EXPIRED			Max Hazard Rank:	NULL
Instance ID:				Facility Location:	720 MARCH RD KANATA K2K 2R9 ON CA
Instance Type:				Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	12/10/1999			Fuel Type 2:	NULL
Instance Install Dt:	12/10/1999			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:26:15 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSA Max Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	NULL				
Original Source:	EXP				
Record Date:	31-JUL-2020				

49	13 of 18	NNW/287.1	82.0 / -3.37	Shell Station<UNOFFICIAL> 720 March Rd Ottawa ON	SPL
Ref No:	3316-9QLR3A			Discharger Report:	
Site No:	2711-5LDKRB			Material Group:	
Incident Dt:	2014/11/06			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Leak/Break			Sector Type:	Service Station
Incident Event:				Agency Involved:	
Contaminant Code:	12			Nearest Watercourse:	
Contaminant Name:	GASOLINE			Site Address:	720 March Rd
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	NA
Contaminant UN No 1:				Site Region:	
Environment Impact:	Confirmed			Site Municipality:	Ottawa
Nature of Impact:	Surface Water Pollution			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	NA
MOE Response:	No Field Response			Easting:	NA
Dt MOE Arvl on Scrn:				Site Geo Ref Accu:	NA
MOE Reported Dt:	2014/11/06			Site Map Datum:	NA
Dt Document Closed:	2014/11/13			SAC Action Class:	Watercourse Spills
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	720 March Road				
Site County/District:					
Site Geo Ref Meth:	NA				
Incident Summary:	Shell Station, 15 L deisel to pavement, and 1 c/b				
Contaminant Qty:	15 L				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	14 of 18	NNW/287.1	82.0 / -3.37	Shell Canada OP Inc. and Shell Canada Products Limited 720 March Road Ottawa ON M2N 6Y2	ECA
Approval No: 6201-5R2QCA Approval Date: 2003-10-09 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-INDUSTRIAL SEWAGE WORKS Project Type: INDUSTRIAL SEWAGE WORKS Business Name: Shell Canada OP Inc. and Shell Canada Products Limited Address: 720 March Road Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7903-5LDKPW-14.pdf PDF Site Location:					
MOE District: Ottawa City: Longitude: -75.92642 Latitude: 45.351067 Geometry X: Geometry Y:					

49	15 of 18	NNW/287.1	82.0 / -3.37	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
Instance No: 11597552 Status: Cont Name: Instance Type: Item: Item Description: FS Liquid Fuel Tank Tank Type: Liquid Fuel Single Wall UST Install Date: 12/10/1999 Install Year: 1999 Years in Service: Model: NULL Description: Capacity: 50000 Tank Material: Fiberglass (FRP) Corrosion Protect: Fiberglass Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: Facility Location: Device Installed Location: 720 MARCH RD KANATA K2K 2R9 ON CA					
Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Gasoline Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: No Underground: Panam Related: Panam Venue:					

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: SUNCOR ENERGY PRODUCTS INC
Item: FS LIQUID FUEL TANK

49	16 of 18	NNW/287.1	82.0 / -3.37	720 MARCH RD KANATA ON K2K 2R9	DTNK
<u>Delisted Fuel Storage Tank</u> Instance No: 64667332 Status: Active Instance Type: Creation Date: Overfill Prot Type: Facility Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
				Fuel Type: Cont Name: Capacity: Tank Material: Corrosion Prot: Tank Type: Install Year: Facility Type: Device Installed Loc: Fuel Type 2: Fuel Type 3: Item: FS GASOLINE STATION - SELF SERVE Item Description: Model: Description: Instance Creation Dt: Instance Install Dt: Manufacturer: Serial No: ULC Standard: Quantity: Unit of Measure: Parent Fac Type: TSSA Base Sched Cycle 1: TSSA Base Sched Cycle 2: Original Source: FST Record Date: 31-MAY-2021	Piping SW Steel: 0 Piping SW Galvan: 0 Tanks SW Steel: 0 Piping Underground: 3 No Underground: 4 Max Hazard Rank: Max Hazard Rank 1: Nxt Period Start Dt: Program Area 1: Program Area 2: Nxt Period Strt Dt 2: Risk Based Periodic: Vol of Directives: Years in Service: Created Date: Federal Device: Periodic Exempt: Statutory Interval: Rcomnd Insp Interval: Recommended Toler: Panam Venue Name: External Identifier:	

49	17 of 18	NNW/287.1	82.0 / -3.37	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
Instance No:		11597526		Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:				Unit of Measure:	
Item Description:		FS Liquid Fuel Tank		Fuel Type: Gasoline	
Tank Type:		Liquid Fuel Single Wall UST		Fuel Type2: NULL	
Install Date:		12/10/1999		Fuel Type3: NULL	
Install Year:		1999		Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		50000		No Underground:	
Tank Material:		Fiberglass (FRP)		Panam Related:	
Corrosion Protect:		Fiberglass		Panam Venue:	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:					
Facility Location:					
Device Installed Location:		720 MARCH RD KANATA K2K 2R9 ON CA			

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: SUNCOR ENERGY PRODUCTS INC
Item: FS LIQUID FUEL TANK

49	18 of 18	NNW/287.1	82.0 / -3.37	SUNCOR ENERGY PRODUCTS INC 720 MARCH RD KANATA K2K 2R9 ON CA ON	FST
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance No:	11597541			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2:	NULL
Install Date:	12/10/1999			Fuel Type3:	NULL
Install Year:	1999			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	50000			No Underground:	
Tank Material:	Fiberglass (FRP)			Panam Related:	
Corrosion Protect:	Fiberglass			Panam Venue:	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:					
Facility Location:					
Device Installed Location:		720 MARCH RD KANATA K2K 2R9 ON CA			

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: SUNCOR ENERGY PRODUCTS INC
Item: FS LIQUID FUEL TANK

50	1 of 13	E/287.4	79.6 / -5.73	535 Legget Drive Kanata ON K2K 3B8	EHS
Order No:	20100311004			Nearest Intersection:	Legget Drive and Terry Fox Drive
Status:	C			Municipality:	Kanata
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	3/19/2010			Search Radius (km):	0.25
Date Received:	3/11/2010			X:	-75.919057
Previous Site Name:				Y:	45.347895
Lot/Building Size:					
Additional Info Ordered:	City Directory				

50	2 of 13	E/287.4	79.6 / -5.73	Nortel Networks Corporation 535 Legget Drive Ottawa ON	CA
Certificate #:	4854-5GZU2U				
Application Year:	2002				
Issue Date:	12/20/2002				
Approval Type:	Air				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

50	3 of 13	E/287.4	79.6 / -5.73	Kanata Research Park Corporation 535 Legget Drive Ottawa ON	CA
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		5182-5M9TGN 2003 5/8/2003 Air Approved			
50	4 of 13	E/287.4	79.6 / -5.73	Mead Johnson Nutritionals 535 Legget Dr Unit 900 Kanata ON K2K 3B8	SCT
Established: Plant Size (ft²): Employment:		01-AUG-07			
--Details--					
Description:		Other Specialty-Line Food Wholesaler-Distributors			
SIC/NAICS Code:		413190			
Description:		Pharmaceuticals and Pharmacy Supplies Wholesaler-Distributors			
SIC/NAICS Code:		414510			
Description:		Toiletries, Cosmetics and Sundries Wholesaler-Distributors			
SIC/NAICS Code:		414520			
Description:		Pharmaceuticals and Pharmacy Supplies Wholesaler-Distributors			
SIC/NAICS Code:		414510			
50	5 of 13	E/287.4	79.6 / -5.73	PIKA Technologies Inc. 535 Legget Dr Suite 400 Kanata ON K2K 3B8	SCT
Established: Plant Size (ft²): Employment:					
--Details--					
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			
Description:		Computer and Peripheral Equipment Manufacturing			
SIC/NAICS Code:		334110			
50	6 of 13	E/287.4	79.6 / -5.73	Solace Systems Inc. 535 Legget Dr Floor 3 Kanata ON K2K 3B8	SCT
Established: Plant Size (ft²): Employment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Description:		Computer and Peripheral Equipment Manufacturing			
SIC/NAICS Code:		334110			
Description:		Computer, Computer Peripheral and Pre-Packaged Software Wholesaler-Distributors			
SIC/NAICS Code:		417310			

50	7 of 13	E/287.4	79.6 / -5.73	KANATA RESEARCH PARK 535 LEGGET Drive KANATA ON K2K3B8	NPRI
NPRI ID:	8800000227			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:	TOWER C			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.:	65			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):	53				
NAICS 2 Description:	Real Estate and Rental and Leasing				
NAICS Code (4 digit):	5311				
NAICS 4 Description:	Lessors of Real Estate				
NAICS Code (6 digit):	531120				
NAICS 6 Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)				

Substance Release Report

CAS No:	10024-97-2
Report ID:	
Rpt Period:	2004
Subst Released:	Nitrous oxide
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	10102-43-9

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Report ID:					
Rpt Period:			2004		
Subst Released:			Oxides of nitrogen (expressed as NO)		
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:		NA - M16			
Report ID:					
Rpt Period:			2004		
Subst Released:			Volatile Organic Compounds (VOCs)		
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:					
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:		811-97-2			
Report ID:					
Rpt Period:			2004		
Subst Released:			HFC-134a Hydrofluorocarbon		
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		NA - M09			
Report ID:					
Rpt Period:			2004		
Subst Released:			PM10 - Particulate Matter <= 10 Microns		
Air:					
Water:					
Land:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		7446-09-5			
Report ID:					
Rpt Period:		2004			
Subst Released:		Sulphur 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			
50	8 of 13	E/287.4	79.6 / -5.73	Kanata Research Park Corporation 535 Legget Drive Ottawa ON K2K 2X3	ECA
Approval No:		8125-4MTJ36		MOE District: Ottawa	
Approval Date:		2001-03-29		City:	
Status:		Revoked and/or Replaced		Longitude: -75.918846	
Record Type:		ECA		Latitude: 45.348034	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		Kanata Research Park Corporation			
Address:		535 Legget Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/8015-4UUK67-14.pdf			
PDF Site Location:					
50	9 of 13	E/287.4	79.6 / -5.73	Nortel Networks Corporation 535 Legget Drive Ottawa ON K2H 8E9	ECA
Approval No:		4854-5GZU2U		MOE District: Ottawa	
Approval Date:		2002-12-20		City:	
Status:		Approved		Longitude: -75.918846	
Record Type:		ECA		Latitude: 45.348034	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-AIR			
Project Type:		AIR			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Business Name:		Nortel Networks Corporation			
Address:		535 Legget Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/0863-5DAQUM-14.pdf			
PDF Site Location:					
50	10 of 13	<i>E/287.4</i>	<i>79.6 / -5.73</i>	Kanata Research Park Corporation 535 Legget Drive Ottawa ON K2K 2X3	ECA
Approval No:		5816-5ALKNH		MOE District: Ottawa	
Approval Date:		2002-05-30		City:	
Status:		Approved		Longitude: -75.918846	
Record Type:		ECA		Latitude: 45.348034	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		Kanata Research Park Corporation			
Address:		535 Legget Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/8364-59NNET-14.pdf			
PDF Site Location:					
50	11 of 13	<i>E/287.4</i>	<i>79.6 / -5.73</i>	Kanata Research Park Corporation 535 Legget Drive Ottawa ON K2K 2X3	ECA
Approval No:		8125-4MTJ36		MOE District: Ottawa	
Approval Date:		2001-02-06		City:	
Status:		Revoked and/or Replaced		Longitude: -75.918846	
Record Type:		ECA		Latitude: 45.348034	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		Kanata Research Park Corporation			
Address:		535 Legget Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/5568-4R5PGT-14.pdf			
PDF Site Location:					
50	12 of 13	<i>E/287.4</i>	<i>79.6 / -5.73</i>	Kanata Research Park Corporation 535 Legget Drive Ottawa ON K2K 2X3	ECA
Approval No:		5182-5M9TGN		MOE District: Ottawa	
Approval Date:		2003-05-08		City:	
Status:		Approved		Longitude: -75.918846	
Record Type:		ECA		Latitude: 45.348034	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	
Approval Type:		ECA-AIR			
Project Type:		AIR			
Business Name:		Kanata Research Park Corporation			
Address:		535 Legget Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/2856-5DMHSA-14.pdf			
PDF Site Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	13 of 13	E/287.4	79.6 / -5.73	Intel of Canada, Ltd. 535 Legget Drive Suite 206 Kanata ON K2K 3B8	GEN
Generator No:	ON6268256			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	263 I				
Waste Class Desc:	Misc. waste organic chemicals				
Waste Class:	331 I				
Waste Class Desc:	Waste compressed gases including cylinders				
Waste Class:	145 I				
Waste Class Desc:	Wastes from the use of pigments, coatings and paints				
51	1 of 1	SW/292.0	88.9 / 3.54	119 Hines Road Kanata ON	EHS
Order No:	20140908006			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	12-SEP-14			Search Radius (km):	0
Date Received:	08-SEP-14			X:	-75.928064
Previous Site Name:				Y:	45.344716
Lot/Building Size:					
Additional Info Ordered:					
52	1 of 32	ENE/295.5	79.0 / -6.32	NOKIA IP TELEPHONY CORPORATION 555 LEGGET DR SUITE 400 KANATA ON K2K 2X3	SCT
Established:	1995				
Plant Size (ft²):	0				
Employment:	170				
<u>--Details--</u>					
Description:	Computer and Peripheral Equipment Manufacturing				
SIC/NAICS Code:	334110				
Description:	Manufacturing and Reproducing Magnetic and Optical Media				
SIC/NAICS Code:	334610				
52	2 of 32	ENE/295.5	79.0 / -6.32	NOKIA 555 Legget Dr Suite 400 Kanata ON K2K 2X3	SCT
Established:	1995				
Plant Size (ft²):	0				
Employment:	170				
<u>--Details--</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Other Leather and Allied Product Manufacturing			
SIC/NAICS Code:		316990			
Description:		All Other Plastic Product Manufacturing			
SIC/NAICS Code:		326198			
Description:		Telephone Apparatus Manufacturing			
SIC/NAICS Code:		334210			
Description:		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
SIC/NAICS Code:		334220			
Description:		Manufacturing and Reproducing Magnetic and Optical Media			
SIC/NAICS Code:		334610			
Description:		Battery Manufacturing			
SIC/NAICS Code:		335910			
Description:		All Other Electrical Equipment and Component Manufacturing			
SIC/NAICS Code:		335990			
Description:		Software Publishers			
SIC/NAICS Code:		511210			
<u>52</u>	3 of 32	ENE/295.5	79.0 / -6.32	March Networks 555 Legget Dr Suite 140 Kanata ON K2K 2X3	SCT
Established:		1991			
Plant Size (ft²):		55			
Employment:					
--Details--					
Description:		Computer and Peripheral Equipment Manufacturing			
SIC/NAICS Code:		334110			
Description:		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
SIC/NAICS Code:		334220			
Description:		Semiconductor and Other Electronic Component Manufacturing			
SIC/NAICS Code:		334410			
Description:		Measuring, Medical and Controlling Devices Manufacturing			
SIC/NAICS Code:		334512			
<u>52</u>	4 of 32	ENE/295.5	79.0 / -6.32	TELEXIS CORPORATION 555 LEGGET DRIVE, SUITE 210 KANATA ON K2K 2X3	GEN
Generator No:		ON2343800		Status:	
SIC Code:		3352		Co Admin:	
SIC Description:		ELECT. PARTS & COMP.		Choice of Contact:	
Approval Years:		97,98,99,00,01		Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
52	5 of 32	ENE/295.5	79.0 / -6.32	PULSE CANADA LTD. 555 LEGGET DRIVE SUITE 1036 KANATA ON K2K 2X3	GEN
Generator No:	ON2399800			Status:	
SIC Code:	4839			Co Admin:	
SIC Description:	OTHER TELECOMMUN.			Choice of Contact:	
Approval Years:	98,99,00,01			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
Detail(s)					
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
52	6 of 32	ENE/295.5	79.0 / -6.32	PULSE CANADA LTD. 555 LEGGET DRIVE SUITE 1036 TWR B KANATA ON K2K 2X3	GEN
Generator No:	ON2399800			Status:	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	02,03,04			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
52	7 of 32	ENE/295.5	79.0 / -6.32	March Networks Corporation 555 Legget Dr Ottawa ON K2K 2X3	SCT
Established:	1991				
Plant Size (ft²):					
Employment:	90				
--Details--					
Description:	Computer and Peripheral Equipment Manufacturing				
SIC/NAICS Code:	334110				
Description:	Measuring, Medical and Controlling Devices Manufacturing				
SIC/NAICS Code:	334512				
52	8 of 32	ENE/295.5	79.0 / -6.32	March Networks Corporation 555 Legget Dr Suite 530 Kanata ON K2K 2X3	SCT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Established: Plant Size (ft²): Employment:		1991			
--Details--					
Description: SIC/NAICS Code:		Computer and Peripheral Equipment Manufacturing 334110			
Description: SIC/NAICS Code:		Measuring, Medical and Controlling Devices Manufacturing 334512			

52	9 of 32	ENE/295.5	79.0 / -6.32	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON4875456 561420 531120 Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-06,07,08			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	

Detail(s)

Waste Class: Waste Class Desc:	146 OTHER SPECIFIED INORGANICS
Waste Class: Waste Class Desc:	121 ALKALINE WASTES - HEAVY METALS
Waste Class: Waste Class Desc:	121 ALKALINE WASTES - HEAVY METALS
Waste Class: Waste Class Desc:	114 OTHER INORGANIC ACID WASTES
Waste Class: Waste Class Desc:	148 INORGANIC LABORATORY CHEMICALS
Waste Class: Waste Class Desc:	212 ALIPHATIC SOLVENTS
Waste Class: Waste Class Desc:	331 WASTE COMPRESSED GASES
Waste Class: Waste Class Desc:	331 WASTE COMPRESSED GASES
Waste Class: Waste Class Desc:	252 WASTE OILS & LUBRICANTS
Waste Class: Waste Class Desc:	243 PCB'S
Waste Class: Waste Class Desc:	213 PETROLEUM DISTILLATES
Waste Class: Waste Class Desc:	145 PAINT/PIGMENT/COATING RESIDUES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			

52	10 of 32	ENE/295.5	79.0 / -6.32	Redirack Storage Systems 555 Legget Dr Tower A Suite 2007 Ottawa ON K2K 2X3	SCT
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Established:
Plant Size (ft²):
Employment:

--Details--

Description:	Material Handling Equipment Manufacturing
SIC/NAICS Code:	333920
Description:	All Other Miscellaneous Fabricated Metal Product Manufacturing
SIC/NAICS Code:	332999
Description:	Other Ornamental and Architectural Metal Product Manufacturing
SIC/NAICS Code:	332329
Description:	Hardware Manufacturing
SIC/NAICS Code:	332510
Description:	Hardware Wholesaler-Distributors
SIC/NAICS Code:	416330
Description:	Metal Service Centres
SIC/NAICS Code:	416210
Description:	Showcase, Partition, Shelving and Locker Manufacturing
SIC/NAICS Code:	337215
Description:	Office and Store Machinery and Equipment Wholesaler-Distributors
SIC/NAICS Code:	417910
Description:	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
SIC/NAICS Code:	417230
Description:	Lumber, Plywood and Millwork Wholesaler-Distributors
SIC/NAICS Code:	416320
Description:	Material Handling Equipment Manufacturing
SIC/NAICS Code:	333920
Description:	Wood Container and Pallet Manufacturing
SIC/NAICS Code:	321920
Description:	Other Metal Container Manufacturing
SIC/NAICS Code:	332439

52	11 of 32	ENE/295.5	79.0 / -6.32	March Networks 555 Legget Drive Ottawa ON K2K 2X3	GEN
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Generator No:	ON6420281	Status:
SIC Code:		Co Admin:
SIC Description:		Choice of Contact:
Approval Years:	07,08	Phone No Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PO Box No: Country:		Contam. Facility: MHSW Facility:			
<u>Detail(s)</u>					
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
52	12 of 32	ENE/295.5	79.0 / -6.32	Kanata Research Park Corporation 555 Legget Drive Ottawa ON	CA
Certificate #:		4220-5HUV4			
Application Year:		2003			
Issue Date:		1/18/2003			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
52	13 of 32	ENE/295.5	79.0 / -6.32	Netistix Technologies Corp 555 Legget Dr Suite 304 Kanata ON K2K 2X3	SCT
Established:		01-DEC-02			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Office Administrative Services			
SIC/NAICS Code:		561110			
Description:		Software Publishers			
SIC/NAICS Code:		511210			
52	14 of 32	ENE/295.5	79.0 / -6.32	Sch Specialty Literacy/Interve 555 Legget Dr Suite 900 Kanata ON K2K 2X3	SCT
Established:		01-AUG-92			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Software Publishers			
SIC/NAICS Code:		511210			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Software Publishers			
SIC/NAICS Code:		511210			
<u>52</u>	15 of 32	ENE/295.5	79.0 / -6.32	Redirack Storage Systems 555 Legget Dr Suite 1007 Kanata ON K2K 2X3	SCT
Established:					
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Metal Service Centres			
SIC/NAICS Code:		416210			
Description:		Other Metal Container Manufacturing			
SIC/NAICS Code:		332439			
Description:		Showcase, Partition, Shelving and Locker Manufacturing			
SIC/NAICS Code:		337215			
Description:		Material Handling Equipment Manufacturing			
SIC/NAICS Code:		333920			
Description:		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
SIC/NAICS Code:		417230			
Description:		Hardware Wholesaler-Distributors			
SIC/NAICS Code:		416330			
Description:		Lumber, Plywood and Millwork Wholesaler-Distributors			
SIC/NAICS Code:		416320			
Description:		Hardware Manufacturing			
SIC/NAICS Code:		332510			
Description:		Wood Container and Pallet Manufacturing			
SIC/NAICS Code:		321920			
Description:		Other Ornamental and Architectural Metal Product Manufacturing			
SIC/NAICS Code:		332329			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			
Description:		Office and Store Machinery and Equipment Wholesaler-Distributors			
SIC/NAICS Code:		417910			
Description:		Material Handling Equipment Manufacturing			
SIC/NAICS Code:		333920			
<u>52</u>	16 of 32	ENE/295.5	79.0 / -6.32	Mediphan Inc. 555 Legget Dr Suite 305 Ottawa ON K2K 2X3	SCT
Established:					
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Computer Systems Design and Related Services			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		541510			
Description:		Research and Development in the Physical, Engineering and Life Sciences			
SIC/NAICS Code:		541710			
Description:		Medical Equipment and Supplies Manufacturing			
SIC/NAICS Code:		339110			

<u>52</u>	17 of 32	ENE/295.5	79.0 / -6.32	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
Generator No:	ON4875456			Status:	
SIC Code:	561420, 531120			Co Admin:	
SIC Description:	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			Choice of Contact:	
Approval Years:	2009			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	243
Waste Class Desc:	PCBS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES

<u>52</u>	18 of 32	ENE/295.5	79.0 / -6.32	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
Generator No:	ON4875456			Status:	
SIC Code:	561420, 531120			Co Admin:	
SIC Description:	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			Choice of Contact:	
Approval Years:	2010			Phone No Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			

52	19 of 32	ENE/295.5	79.0 / -6.32	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
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Generator No:	ON4875456	Status:	
SIC Code:	561420, 531120	Co Admin:	
SIC Description:	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)	Choice of Contact:	
Approval Years:	2011	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:		MHSW Facility:	

Detail(s)

Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	252

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			

52	20 of 32	ENE/295.5	79.0 / -6.32	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
Generator No:	ON4875456			Status:	
SIC Code:	561420, 531120			Co Admin:	
SIC Description:	Telephone Call Centres, Lessors of Non-Residential Buildings (except Mini-Warehouses)			Choice of Contact:	
Approval Years:	2012			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	243				
Waste Class Desc:	PCBS				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			

52	21 of 32	ENE/295.5	79.0 / -6.32	KANATA RESEARCH PARK 555 LEGGET Drive KANATA ON K2K2X3	NPRI
NPRI ID:	8800000226			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:	TOWERS A & B			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.:	1036			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):	53				
NAICS 2 Description:	Real Estate and Rental and Leasing				
NAICS Code (4 digit):	5311				
NAICS 4 Description:	Lessors of Real Estate				
NAICS Code (6 digit):	531120				
NAICS 6 Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)				

Substance Release Report

CAS No:	10102-43-9
Report ID:	
Rpt Period:	2004
Subst Released:	Oxides of nitrogen (expressed as NO)
Air:	
Water:	
Land:	
Total Releases:	
Units:	tonnes
CAS No:	NA - M16
Report ID:	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Rpt Period:		2004			
Subst Released:		Volatile Organic Compounds (VOCs)			
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 - M10			
Report ID:					
Rpt Period:		2004			
Subst Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		7446-09-5			
Report ID:					
Rpt Period:		2004			
Subst Released:		Sulphur dioxide			
Air:					
Water:					
Land:					
Total Releases:					
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:		811-97-2			
Report ID:					
Rpt Period:		2004			
Subst Released:		HFC-134a Hydrofluorocarbon			
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:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		124-38-9			
Report ID:					
Rpt Period:		2004			
Subst Released:		Carbon dioxide			
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:					
Units:		tonnes			

52	22 of 32	ENE/295.5	79.0 / -6.32	KRP Management Services Inc. 555 Legget Drive Ottawa ON	GEN
Generator No:	ON4875456			Status:	
SIC Code:	561420, 531120			Co Admin:	
SIC Description:	TELEPHONE CALL CENTRES, LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)			Choice of Contact:	
Approval Years:	2013			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class:	135
Waste Class Desc:	REACTIVE ANION WASTES
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			

52	23 of 32	ENE/295.5	79.0 / -6.32	555 Legget Dr Ottawa ON K2K2X3	EHS
Order No:	20150903032			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	09-SEP-15			Search Radius (km):	.25
Date Received:	03-SEP-15			X:	-75.919803
Previous Site Name:				Y:	45.348953
Lot/Building Size:					
Additional Info Ordered:					

52	24 of 32	ENE/295.5	79.0 / -6.32	555 Legget Dr Ottawa ON K2K2X3	EHS
Order No:	20150304029			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	09-MAR-15			Search Radius (km):	.25
Date Received:	04-MAR-15			X:	-75.919787
Previous Site Name:				Y:	45.349161
Lot/Building Size:					
Additional Info Ordered:					

52	25 of 32	ENE/295.5	79.0 / -6.32	Kanata Research Park Corporation 555 Legget Drive Ottawa ON K2K 2X3	ECA
Approval No:	4220-5HUV4			MOE District:	Ottawa
Approval Date:	2003-01-18			City:	
Status:	Approved			Longitude:	-75.909996
Record Type:	ECA			Latitude:	45.346844
Link Source:	IDS			Geometry X:	
SWP Area Name:	Mississippi Valley			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Business Name:	Kanata Research Park Corporation				
Address:	555 Legget Drive				
Full Address:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/8337-5DXR24-14.pdf			
PDF Site Location:					

52	26 of 32	ENE/295.5	79.0 / -6.32	Kanata Research Park Corp. 555 Legget Drive Ottawa ON K2K 2X3	GEN
Generator No:	ON4875456			Status:	
SIC Code:	531310			Co Admin:	Paul Allen
SIC Description:	REAL ESTATE PROPERTY MANAGERS			Choice of Contact:	CO_ADMIN
Approval Years:	2016			Phone No Admin:	613-591-0594 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No

Detail(s)

Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	243
Waste Class Desc:	PCBS
Waste Class:	135
Waste Class Desc:	REACTIVE ANION WASTES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	242
Waste Class Desc:	HALOGENATED PESTICIDES
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS

52	27 of 32	ENE/295.5	79.0 / -6.32	Kanata Research Park Corp. 555 Legget Drive Ottawa ON K2K 2X3	GEN
Generator No:	ON4875456			Status:	
SIC Code:	531310			Co Admin:	Bob Bisson
SIC Description:	REAL ESTATE PROPERTY MANAGERS			Choice of Contact:	CO_OFFICIAL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: PO Box No: Country:	2015 Canada			Phone No Admin: Contam. Facility: MHSW Facility:	613-591-0594 Ext. No No
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	252 WASTE OILS & LUBRICANTS				
Waste Class: Waste Class Desc:	122 ALKALINE WASTES - OTHER METALS				
Waste Class: Waste Class Desc:	145 PAINT/PIGMENT/COATING RESIDUES				
Waste Class: Waste Class Desc:	243 PCBS				
Waste Class: Waste Class Desc:	213 PETROLEUM DISTILLATES				
Waste Class: Waste Class Desc:	112 ACID WASTE - HEAVY METALS				
Waste Class: Waste Class Desc:	242 HALOGENATED PESTICIDES				
Waste Class: Waste Class Desc:	121 ALKALINE WASTES - HEAVY METALS				
Waste Class: Waste Class Desc:	146 OTHER SPECIFIED INORGANICS				
Waste Class: Waste Class Desc:	135 REACTIVE ANION WASTES				
Waste Class: Waste Class Desc:	212 ALIPHATIC SOLVENTS				
Waste Class: Waste Class Desc:	148 INORGANIC LABORATORY CHEMICALS				
Waste Class: Waste Class Desc:	331 WASTE COMPRESSED GASES				

52 28 of 32 **ENE/295.5** **79.0 / -6.32** **Kanata Research Park Corp.**
555 Legget Drive
Ottawa ON K2K 2X3 **GEN**

Generator No:	ON4875456	Status:	
SIC Code:	531310	Co Admin:	Bob Bisson
SIC Description:	REAL ESTATE PROPERTY MANAGERS	Choice of Contact:	CO_OFFICIAL
Approval Years:	2014	Phone No Admin:	613-591-0594 Ext.
PO Box No:		Contam. Facility:	No
Country:	Canada	MHSW Facility:	No

Detail(s)

Waste Class: Waste Class Desc:	121 ALKALINE WASTES - HEAVY METALS
Waste Class: Waste Class Desc:	122 ALKALINE WASTES - OTHER METALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		135			
Waste Class Desc:		REACTIVE ANION WASTES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		243			
Waste Class Desc:		PCBS			

[52](#) 29 of 32 **ENE/295.5** **79.0 / -6.32** **KRP Properties A Division of Wesley Clover
Intern
555 Legget Drive
Ottawa ON K2K 2X3** **GEN**

Generator No:	ON4875456	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Dec 2018	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class:	146 R
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	135 C
Waste Class Desc:	Wastes containing other reactive anions
Waste Class:	145 I

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
Waste Class:		242 A			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		243 D			
Waste Class Desc:		PCB			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			

52 30 of 32 **ENE/295.5** **79.0 / -6.32** **KRP Properties A Division of Wesley Clover
Interna
555 Legget Drive
Ottawa ON K2K 2X3** **GEN**

Generator No:	ON4875456	Status:	Registered
SIC Code:		Co Admin:	
SIC Description:		Choice of Contact:	
Approval Years:	As of Jul 2020	Phone No Admin:	
PO Box No:		Contam. Facility:	
Country:	Canada	MHSW Facility:	

Detail(s)

Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	135 C
Waste Class Desc:	Wastes containing other reactive anions
Waste Class:	243 D
Waste Class Desc:	PCB
Waste Class:	242 A
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	213 I
Waste Class Desc:	Petroleum distillates
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		112 C			
Waste Class Desc:		Acid solutions - containing heavy metals			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			

52	31 of 32	ENE/295.5	79.0 / -6.32	KRP Properties A Division of Wesley Clover Interna 555 Legget Drive Ottawa ON K2K 2X3	GEN
Generator No:	ON4875456			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	

Detail(s)

Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals
Waste Class:	135 C
Waste Class Desc:	Wastes containing other reactive anions
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	243 D
Waste Class Desc:	PCB
Waste Class:	213 I
Waste Class Desc:	Petroleum distillates
Waste Class:	212 L
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	121 C
Waste Class Desc:	Alkaline slutions - containing heavy metals
Waste Class:	146 T
Waste Class Desc:	Other specified inorganic sludges, slurries or solids
Waste Class:	242 A
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
52	32 of 32	ENE/295.5	79.0 / -6.32	KRP Properties A Division of Wesley Clover Interna 555 Legget Drive Ottawa ON K2K 2X3	GEN
Generator No:	ON4875456			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Feb 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		135 C			
Waste Class Desc:		Wastes containing other reactive anions			
Waste Class:		243 D			
Waste Class Desc:		PCB			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		112 C			
Waste Class Desc:		Acid solutions - containing heavy metals			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		242 A			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		121 C			
Waste Class Desc:		Alkaline slutions - containing heavy metals			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
Waste Class:		212 L			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		331 I			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Waste Class Desc:		Waste compressed gases including cylinders			
53	1 of 1	WSW/296.3	88.9 / 3.54	4000 Innovation Dr Ottawa ON K2K3K1	EHS

Order No: 20131201001
Status: C
Report Type: Custom Report
Report Date: 10-DEC-13
Date Received: 01-DEC-13
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0
X: -75.928145
Y: 45.344717

Unplottable Summary

Total: **102** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 8/11 Con 4/5	Kanata ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Colonnade Development Incorporated		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	
CA	Minto Developments Inc.		Ottawa ON	

CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Kanata Research Park Corporation		Ottawa ON
CA	Suncor Energy Products Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	D.I.R. Investments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Colonnade Development Incorporated		Ottawa ON
CA	KANATA CITY KANATA N. BUSINESS PARK	TERRY FOX DRIVE	KANATA CITY ON
CA	Minto Developments Inc.		Ottawa ON

CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA	Minto Developments Inc.		Ottawa ON
CA		Terry Fox Drive	Kanata ON
CA	Briaridge Sewage Pumping Station	Lot 9, Concession 4	Ottawa ON
CA		Kanata Research Park	Kanata ON
CA		Kanata Research Park	Kanata ON
CA		Kanata Research Park	Kanata ON
CA		Kanata Research Park	Kanata ON
CA	Terry Fox Drive Stormwater Management Facility at Realigned Richardson Side Road	Terry Fox Drive	Ottawa ON
CA		Part of Lots 7,8 and 9, Concession 3	Kanata ON
CA		Part of Lots 7,8 and 9, Concession 3	Kanata ON
CA		Part of Lots 7,8 and 9, Concession 3	Kanata ON
CA	CANADIAN TIRE REAL ESTATE LTD., GILPAUL	TERRY FOX DR.,GAS BAR SWM FAC.	KANATA CITY ON
CA	MOSAID TECHNOLOGIES INCORPORATED	PT.LOT 8/CON.3,HINES RD., SWM	KANATA CITY ON
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON
CA	KANATA RESEARCH PARK CORP.	TERRY FOX DR.,CROSS KEY, SWM	KANATA CITY ON
CA	MINTO DEVELOPMENTS INC.	KANATA NORTH BUS. PK. - (SWM)	KANATA CITY ON
CA	COLONNADE DEVELOPMENT INC.	BLOCK 30/RP# M-280 (SWM)	KANATA CITY ON
CA	KANATA RESEARCH PARK CORPORATION	TERRY FOX DR. KANATA N. BUS. P	KANATA CITY ON
CA	954198 ONTARIO INC.	ST. #1/MCKINLEY DR.,PLAN 4M755	KANATA CITY ON

CA	GARFORD LTD. AND NOTLAW LTD.-TERRY FOX D	M.T.O. ACCES RD/TERRY FOX DR.	KANATA CITY ON	
CA	WILLIAM S. BURNSIDE CANADA LTD.	HINES RD.	KANATA CITY ON	
CA	TAYLOR DEVELOPMENTS	SHOPPING CEN., TERRY FOX DRIVE	KANATA CITY ON	
CA	KANATA CITY	LEGGET DRIVE	KANATA CITY ON	
CA	KANATA CITY VALLEY-VU REALTY	FUTURE TERRY FOX DR.	KANATA CITY ON	
CA	954198 ONTARIO INC.	MCKINLEY DR.N./PLAN 4M-755	KANATA CITY ON	
CA	WILLIAM S. BURNSIDE CANADA LTD.-PT.LOT 9	HINES RD./ON-SITE S-WAT. MGT.	KANATA CITY ON	
CA	KANATA RESEARCH PARK CORP./CROSS KEYS	STORMWATER MANAGEMENT FACILITY	KANATA CITY ON	
CA	WILLIAM S. BURNSIDE CANADA LTD.	STORMW. DET. FAC. HINES RD.	KANATA CITY ON	
CA	KANATA CITY - EAST MARCH TRUNK SEWERS	PROP.EASMT.-LEGGET DRIVE	KANATA CITY ON	
CA	COLONNADE DEVELOPMENTS INC.	STORMW. MANAG. MONTESSORI SCH.	KANATA CITY ON	
CA	WILLIAM S. BURNSIDE CANADA	HINES RD.	KANATA CITY ON	
CA	KANATA CITY VALLEY-VU REALTY FORCEMAIN	FUTURE TERRY FOX DR. P.S.	KANATA CITY ON	
CA	KANATA CITY	TERRY FOX DRIVE	KANATA CITY ON	
CONV	SHELL CANADA PRODUCTS LIMITED		DON MILLS ON	
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
ECA	City of Ottawa	Terry Fox Dr	Ottawa ON	K1P 1J1
ECA	Minto Developments Inc.		Ottawa ON	K1R 7Y2
LIMO	Fernand Leduc Cumberland	West 1/2 of Lot 9, Concession 3 Ottawa	ON	
PTTW	Kanata Research Park Corporation	Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata	CITY OF OTTAWA	ON
PTTW	Burnside Sand & Gravel Limited	Lots 6 7 and 8, Concession 4, City of Ottawa	CITY OF OTTAWA	ON
SPL	PUC	TERRY FOX DR PAD TRANSFORMER BY NEWBRIDGE COMM. LTD.	KANATA CITY ON	

SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	SERVICE STATION	OTTAWA CITY ON
SPL	Van's Industrial & Specialty Coatings<UNOFFICIAL>	Terry Fox Drive, Nepean	Ottawa ON
SPL	City of Ottawa	LEGGET AND MARCH RD, KANATA<UNOFFICIAL>	Ottawa ON
SPL	Shell Canada Products Limited	Shell Canada	Ottawa ON
SPL	OTTAWA-CARLETON TRANSIT	MARCH ROAD, SOUTH OF CARLING	OTTAWA CITY ON
SPL	OTTAWA-CARLETON, REG. MUN.	LEGGETT DRIVE, MARCH ROAD PUMP STATION, UNDERGROUND FUEL TANK. KANATA SITE-MARCH ROAD PUMP STATION LEGGETT DRIVE	KANATA CITY ON
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
WWIS		lot 8	ON

Unplottable Report

Site: Lot 8/11 Con 4/5 Kanata ON

Database:
AAGR

Type:
Region/County: Ottawa-Carleton
Township: Kanata
Concession: 4/5
Lot: 8/11
Size (ha):
Landuse:
Comments:

Site: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 1462-76TNSQ
Application Year: 2007
Issue Date: 9/11/2007
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.
Ottawa ON

Database:
CA

Certificate #: 8733-8J9RH6
Application Year: 2011
Issue Date: 7/28/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 9152-65XHVP
Application Year: 2004
Issue Date: 10/21/2004
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: *Colonnade Development Incorporated*
Ottawa ON

Database:
CA

Certificate #: 8748-7DGQCH
Application Year: 2008
Issue Date: 4/25/2008
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 8418-76APWL
Application Year: 2007
Issue Date: 8/22/2007
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.*
Ottawa ON

Database:
CA

Certificate #: 8133-65GMW9
Application Year: 2004
Issue Date: 10/6/2004
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.*
Ottawa ON

Database:
CA

Certificate #: 7996-5Q7RGN
Application Year: 2003
Issue Date: 8/12/2003
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: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 7788-6XDSAP
Application Year: 2007
Issue Date: 1/19/2007
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 7677-7DPNN3
Application Year: 2008
Issue Date: 5/1/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 7355-6M4TMP
Application Year: 2006
Issue Date: 2/20/2006
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.
Ottawa ON

Database:
CA

Certificate #: 7163-5SYQ3M
Application Year: 2003
Issue Date: 11/14/2003
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: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 7043-6P2REB
Application Year: 2006
Issue Date: 4/20/2006
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.
Ottawa ON

Database:
CA

Certificate #: 6733-5NSKZ9
Application Year: 2003
Issue Date: 6/23/2003
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: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 6380-6JGQ7B
Application Year: 2005
Issue Date: 12/29/2005
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:

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

Site: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 6002-7DAKG9
Application Year: 2008
Issue Date: 4/2/2008
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 5963-766KNS
Application Year: 2007
Issue Date: 8/21/2007
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.*
Ottawa ON

Database:
CA

Certificate #: 5840-6NRNJD
Application Year: 2006
Issue Date: 5/4/2006
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.*
Ottawa ON

Database:
CA

Certificate #: 5109-66JPRR

Application Year: 2004
Issue Date: 11/9/2004
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.*
Ottawa ON

Database:
CA

Certificate #: 4309-6VTJMR
Application Year: 2006
Issue Date: 12/1/2006
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.*
Ottawa ON

Database:
CA

Certificate #: 1305-5PNSMF
Application Year: 2003
Issue Date: 7/22/2003
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: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 4208-6J7J5T
Application Year: 2005
Issue Date: 11/17/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 3934-5QBL78
Application Year: 2003
Issue Date: 9/18/2003
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: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 3403-5MAJ6D
Application Year: 2003
Issue Date: 5/9/2003
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: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 3360-7H3RCS
Application Year: 2008
Issue Date: 8/8/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 3324-5PXLMV
Application Year: 2003
Issue Date: 7/31/2003
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: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 2814-68ZN2P
Application Year: 2005
Issue Date: 2/2/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 2803-6XKQB2
Application Year: 2007
Issue Date: 1/25/2007
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: *Kanata Research Park Corporation*
Ottawa ON

Database:
CA

Certificate #: 2794-5F6N36
Application Year: 2002
Issue Date: 10/22/2002
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: *Suncor Energy Products Inc.*
Ottawa ON

Database:
CA

Certificate #: 2751-78XLN5
Application Year: 2007

Issue Date: 11/19/2007
Approval Type: Industrial Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Minto Developments Inc.*
Ottawa ON

Database:
CA

Certificate #: 2539-66USUQ
Application Year: 2004
Issue Date: 11/25/2004
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.*
Ottawa ON

Database:
CA

Certificate #: 2530-6JULSK
Application Year: 2005
Issue Date: 12/16/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *D.I.R. Investments Inc.*
Ottawa ON

Database:
CA

Certificate #: 2390-6NBQN4
Application Year: 2006
Issue Date: 4/3/2006
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.
Ottawa ON

Database:
CA

Certificate #: 2206-5J5J5M
Application Year: 2003
Issue Date: 1/27/2003
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: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 1930-5HZMDY
Application Year: 2003
Issue Date: 1/21/2003
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: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 1814-73VJMC
Application Year: 2007
Issue Date: 6/7/2007
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.
Ottawa ON

Database:
CA

Certificate #: 1688-5ZCP3J
Application Year: 2004
Issue Date: 5/28/2004
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.*
Ottawa ON

Database:
CA

Certificate #: 1530-6QQL2J
Application Year: 2006
Issue Date: 7/14/2006
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: *Colonnade Development Incorporated*
Ottawa ON

Database:
CA

Certificate #: 1314-7Z8TPU
Application Year: 2010
Issue Date: 1/4/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *KANATA CITY KANATA N. BUSINESS PARK*
TERRY FOX DRIVE KANATA CITY ON

Database:
CA

Certificate #: 3-0786-87-
Application Year: 87
Issue Date: 6/9/1987
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.*
Ottawa ON

Database:
CA

Certificate #: 1297-6SPJ46
Application Year: 2006
Issue Date: 8/17/2006

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.
Ottawa ON

Database:
CA

Certificate #: 1168-67AKKL
Application Year: 2004
Issue Date: 12/7/2004
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 1002-6GQJNY
Application Year: 2005
Issue Date: 10/3/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 0681-67QTZP
Application Year: 2005
Issue Date: 1/11/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Minto Developments Inc.
Ottawa ON

Database:
CA

Certificate #: 0523-7EVPTJ
Application Year: 2008
Issue Date: 8/21/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Terry Fox Drive Kanata ON

Database:
CA

Certificate #: 0854-4BJN5
Application Year: 00
Issue Date: 4/13/00
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: Extension of the watermain on Terry Fox Drive from Winchester Drive south to Michael Cowpland Drive, with a 400 mm diameter watermain.
Contaminants:
Emission Control:

Site: Briaridge Sewage Pumping Station
Lot 9, Concession 4 Ottawa ON

Database:
CA

Certificate #: 1586-4WKNNQ
Application Year: 01
Issue Date: 5/18/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: Tenth Line Development Inc.
Client Address: 210 Gladstone Avenue, Suite 2001
Client City: Ottawa
Client Postal Code: K2P 0Y6
Project Description: This application is for a Certificate of Approval for a diesel generator.
Contaminants:
Emission Control:

Site: Kanata Research Park Kanata ON

Database:
CA

Certificate #: 5816-5ALKNH
Application Year: 02
Issue Date: 5/30/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Amended CofA
Client Name: Kanata Research Park Corporation
Client Address: 555 Legget Drive, Suite 206
Client City: Kanata

Client Postal Code: K2K 2X3
Project Description: Increase Storage Volumes for Stormwater Management Pond No. 3.
Contaminants:
Emission Control:

Site: Kanata Research Park Kanata ON **Database:** CA

Certificate #: 8125-4MTJ36
Application Year: 02
Issue Date: 5/30/02
Approval Type: Municipal & Private sewage
Status: Revoked and/or Replaced
Application Type: New Certificate of Approval
Client Name: Kanata Research Park Corporation
Client Address: 555 Legget Drive
Client City: Kanata
Client Postal Code: K2K 2X3
Project Description: Construction of 3 (three) permanent stormwater management facilities to provide quality and quantity control.
Contaminants:
Emission Control:

Site: Kanata Research Park Kanata ON **Database:** CA

Certificate #: 8125-4MTJ36
Application Year: 01
Issue Date: 2/6/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Notice
Client Name: Kanata Research Park Corporation
Client Address: 555 Legget Drive
Client City: Kanata
Client Postal Code: K2K 2X3
Project Description: Amendment requested by Technical Support Staff.
Contaminants:
Emission Control:

Site: Kanata Research Park Kanata ON **Database:** CA

Certificate #: 8125- 4MTJ36
Application Year: 01
Issue Date: 3/29/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Notice
Client Name: Kanata Research Park Corporation
Client Address: 555 Legget Drive, Suite 206
Client City: Kanata
Client Postal Code: K2K 2X3
Project Description: Design change of stormwater management pond 2 to allow encroachment of proposed Stealth Development and to provide for a second forebay
Contaminants:
Emission Control:

Site: Terry Fox Drive Stormwater Management Facility at Realigned Richardson Side Road
Terry Fox Drive Ottawa ON **Database:** CA

Certificate #: 1044-5E9JWT
Application Year: 02

Issue Date: 9/27/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: City of Ottawa
Client Postal Code: K1P 1J1
Project Description: SWM Facility, quality and quantity control with inlet and outlet sewers
Contaminants:
Emission Control:

Site: Part of Lots 7,8 and 9, Concession 3 Kanata ON

Database:
CA

Certificate #: 3263-4GRLJ4
Application Year: 00
Issue Date: 2/24/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: 786473 Ontario Limited
Client Address: 1145 Hunt Club Rd., Suite 220
Client City: Ottawa
Client Postal Code:
Project Description: Watermains and appurtenances to be constructed in the Northtech Campus Subdivision. Including valves, valve chambers, fire hydrants and leads.
Contaminants:
Emission Control:

Site: Part of Lots 7,8 and 9, Concession 3 Kanata ON

Database:
CA

Certificate #: 0720-4GRL32
Application Year: 00
Issue Date: 2/24/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 786473 Ontario Limited
Client Address: 1145 Hunt Club Rd., Suite 220
Client City: Ottawa
Client Postal Code:
Project Description: Sanitary sewers and appurtenances to be constructed in the Northtech Campus Subdivision (Innovation Drive).
Contaminants:
Emission Control:

Site: Part of Lots 7,8 and 9, Concession 3 Kanata ON

Database:
CA

Certificate #: 6584-4H2RW7
Application Year: 00
Issue Date: 3/5/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 786473 Ontario Limited
Client Address: 1145 Hunt Club Rd., Suite 220
Client City: Ottawa
Client Postal Code:
Project Description: Installation of storm sewer and appurtenances for the Northtech Campus Subdivision.
Contaminants:
Emission Control:

Site: CANADIAN TIRE REAL ESTATE LTD., GILPAUL
TERRY FOX DR.,GAS BAR SWM FAC. KANATA CITY ON

Database:
CA

Certificate #: 3-0329-99-
Application Year: 99
Issue Date: 7/26/1999
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MOSAID TECHNOLOGIES INCORPORATED
PT.LOT 8/CON.3,HINES RD., SWM KANATA CITY ON

Database:
CA

Certificate #: 3-0773-97-
Application Year: 97
Issue Date: 8/13/1997
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
MARCH ROAD RECON., SWM FAC. KANATA CITY ON

Database:
CA

Certificate #: 3-0372-96-
Application Year: 96
Issue Date: 6/20/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KANATA RESEARCH PARK CORP.
TERRY FOX DR.,CROSS KEY, SWM KANATA CITY ON

Database:
CA

Certificate #: 3-0087-96-
Application Year: 96
Issue Date: 4/1/1996
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.
KANATA NORTH BUS. PK. - (SWM) KANATA CITY ON

Database:
CA

Certificate #: 3-0979-95-
Application Year: 95
Issue Date: 9/15/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: COLONNADE DEVELOPMENT INC.
BLOCK 30/RP# M-280 (SWM) KANATA CITY ON

Database:
CA

Certificate #: 3-0745-95-
Application Year: 95
Issue Date: 9/5/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KANATA RESEARCH PARK CORPORATION
TERRY FOX DR. KANATA N. BUS. P KANATA CITY ON

Database:
CA

Certificate #: 7-0653-87-
Application Year: 87
Issue Date: 6/9/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 954198 ONTARIO INC.
ST. #1/MCKINLEY DR.,PLAN 4M755 KANATA CITY ON

Database:
CA

Certificate #: 7-0520-93-
Application Year: 93

Issue Date: 6/24/1993
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **GARFORD LTD. AND NOTLAW LTD.-TERRY FOX D
M.T.O. ACCES RD/TERRY FOX DR. KANATA CITY ON**

Database:
CA

Certificate #: 7-0939-91-
Application Year: 91
Issue Date: 8/2/1991
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **WILLIAM S. BURNSIDE CANADA LTD.
HINES RD. KANATA CITY ON**

Database:
CA

Certificate #: 7-1597-89-
Application Year: 89
Issue Date: 10/3/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **TAYLOR DEVELOPMENTS
SHOPPING CEN., TERRY FOX DRIVE KANATA CITY ON**

Database:
CA

Certificate #: 7-1321-88-
Application Year: 88
Issue Date: 8/19/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KANATA CITY
LEGGET DRIVE KANATA CITY ON

Database:
CA

Certificate #: 7-1141-88-
Application Year: 88
Issue Date: 7/28/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KANATA CITY VALLEY-VU REALTY
FUTURE TERRY FOX DR. KANATA CITY ON

Database:
CA

Certificate #: 7-1420-86-
Application Year: 86
Issue Date: 12/17/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 954198 ONTARIO INC.
MCKINLEY DR.N./PLAN 4M-755 KANATA CITY ON

Database:
CA

Certificate #: 3-0665-93-
Application Year: 93
Issue Date: 6/24/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WILLIAM S. BURNSIDE CANADA LTD.-PT.LOT 9
HINES RD./ON-SITE S-WAT. MGT. KANATA CITY ON

Database:
CA

Certificate #: 3-1024-92-
Application Year: 92
Issue Date: 9/18/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

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

Site: KANATA RESEARCH PARK CORP./CROSS KEYS
STORMWATER MANAGEMENT FACILITY KANATA CITY ON

Database:
CA

Certificate #: 3-0160-90-
Application Year: 90
Issue Date: 1/22/1991
Approval Type: Municipal sewage
Status: Approved in 1991
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WILLIAM S. BURNSIDE CANADA LTD.
STORMW. DET. FAC. HINES RD. KANATA CITY ON

Database:
CA

Certificate #: 3-1831-89-
Application Year: 89
Issue Date: 1/21/1991
Approval Type: Municipal sewage
Status: Approved in 1991
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KANATA CITY - EAST MARCH TRUNK SEWERS
PROP.EASMT.-LEGGET DRIVE KANATA CITY ON

Database:
CA

Certificate #: 3-2442-89-
Application Year: 89
Issue Date: 12/18/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: COLONNADE DEVELOPMENTS INC.
STORMW. MANAG. MONTESSORI SCH. KANATA CITY ON

Database:
CA

Certificate #: 3-1512-89-
Application Year: 89
Issue Date: 10/13/1989

Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WILLIAM S. BURNSIDE CANADA
HINES RD. KANATA CITY ON

Database:
CA

Certificate #: 3-1921-89-
Application Year: 89
Issue Date: 10/3/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KANATA CITY VALLEY-VU REALTY FORCEMAIN
FUTURE TERRY FOX DR. P.S. KANATA CITY ON

Database:
CA

Certificate #: 3-1793-86-
Application Year: 86
Issue Date: 12/17/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KANATA CITY
TERRY FOX DRIVE KANATA CITY ON

Database:
CA

Certificate #: 3-1806-87-
Application Year: 87
Issue Date: 10/5/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: SHELL CANADA PRODUCTS LIMITED
DON MILLS ON

Database:
CONV

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: DISCHARGING A CONTAMINANT - ADVERSE EFFECT
Background:
URL:

Location:
Region: SOUTH EAST REGION
Ministry District:

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation:
Section: 13(1)
Act/Regulation/Section: EPA- -13(1)
Date of Offence:
Date of Conviction:
Date Charged: 92/05/12
Charge Disposition:
Fine: 90000
Synopsis:

Site: Minto Developments Inc.
Ottawa ON K1R 7Y2

Database:
ECA

Approval No: 7163-5SYQ3M
Approval Date: 2003-11-14
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Developments Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2997-5SKKCW-14.pdf>
PDF Site Location:

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

Site: City of Ottawa
Terry Fox Dr Ottawa ON K1P 1J1

Database:
ECA

Approval No: 1044-5E9JWT
Approval Date: 2002-09-27
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Terry Fox Dr
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6019-59QSAT-14.pdf>

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

Site: Minto Developments Inc.
Ottawa ON K1R 7Y2

Database:
ECA

Approval No: 4490-5SYQAN
Approval Date: 2003-11-14
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: Minto Developments Inc.
Address:
Full Address:
Full PDF Link:
PDF Site Location:

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

Site: Fernand Leduc Cumberland
West 1/2 of Lot 9, Concession 3 Ottawa ON

Database:
LIMO

ECA/Instrument No: A460604
Oper Status 2016: Closed
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name: Fernand Leduc
Cumberland

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

Site Location Details:
Service Area:
Page URL:

Site: Kanata Research Park Corporation
Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata CITY OF OTTAWA ON

Database:
PTTW

EBR Registry No: IA05E1015
Ministry Ref No: ER-3083-67XPBX
Notice Type: Instrument\Decision
Notice Stage:
Notice Date: November\2002,\2005

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:

Proposal Date: June\29,\2005 **Site Location Map:**
Year: 2005
Instrument Type: (OWRA\ss.\s34)\s-\sPermit\sto\sTake\sWater
Off Instrument Name:
Posted By:
Company Name: Kanata\sResearch\sPark\sCorporation
Site Address:
Location Other:
Proponent Name:
Proponent Address: 555\sLegget\sDrive,\sKanata\sOntario,\sK2K\s2X3
Comment Period:
URL:

Site Location Details:

Lots 8, 9 and 10, Concession 4, Ottawa, geographic area of Kanata CITY OF OTTAWA

Site: **Burnside Sand & Gravel Limited**
Lots 6 7 and 8, Concession 4, City of Ottawa CITY OF OTTAWA ON

Database:
PTTW

EBR Registry No: 011-7053 **Decision Posted:**
Ministry Ref No: 7358-8XFPY5 **Exception Posted:**
Notice Type: Instrument\sDecision **Section:**
Notice Stage: **Act 1:**
Notice Date: September\s04,\s2012 **Act 2:**
Proposal Date: August\s27,\s2012 **Site Location Map:**
Year: 2012
Instrument Type: (OWRA\ss.\s34)\s-\sPermit\sto\sTake\sWater
Off Instrument Name:
Posted By:
Company Name: Burnside\sSand\s&\sGravel\sLimited
Site Address:
Location Other:
Proponent Name:
Proponent Address: Burnside\sSand\s&\sGravel\sLimited,\s5597\sPower\sRoad,\sOttawa\sOntario,\sCanada\sK1G\s3N4
Comment Period:
URL:

Site Location Details:

Lots 6 7 and 8, Concession 4, City of Ottawa CITY OF OTTAWA

Site: **PUC**
TERRY FOX DR PAD TRANSFORMER BY NEWBRIDGE COMM. LTD. KANATA CITY ON

Database:
SPL

Ref No: 4874 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 6/7/1988 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: COOLING SYSTEM LEAK **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: **Site Municipality:** 20103
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 6/7/1988 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**

Incident Reason: FIRE/EXPLOSION **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: KANATA HYDRO - 150 L MINERAL OIL (NO PCBS) TO GROUND.
Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 8471 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 8/22/1988 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: ABOVE-GROUND TANK LEAK **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: **Site Municipality:** 20101
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 8/22/1988 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**
Incident Reason: ERROR **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: UPLANDS AIRPORT - 50 L OF JET FUEL TO PAVEMENT FROM TANK TRUCK.
Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 16382 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 3/27/1989 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: VALVE/FITTING LEAK OR FAILURE **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: **Site Municipality:** 20101
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 3/27/1989 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**
Incident Reason: EQUIPMENT FAILURE **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: UPLANDS AIRPORT - 20 L OF JET FUEL TO GROUND.
Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	21872	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	7/11/1989	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	PIPE/HOSE LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/11/1989	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	SHELL REFUELING VEHICLE- 70 L AVIATION FUEL TO GROUND.		
Contaminant Qty:			

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	23253	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	//	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	8/7/1989	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	SHELL- 4.5 LTR SPILL OF JET FUEL AT UPLANDS AIRPORT		
Contaminant Qty:			

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	26231	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	10/5/1989	Health/Env Conseq:	
Year:		Client Type:	

Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/5/1989
Dt Document Closed:
Incident Reason: EQUIPMENT FAILURE
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL CANADA - 120L JET FUEL TO TERMINAL RAMP
Contaminant Qty:

Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: DEPT OF TRANSPORT
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: SHELL CANADA PRODUCTS LTD.
 TANK TRUCK (CARGO) OTTAWA CITY ON **Database:**
SPL

Ref No: 30521
Site No:
Incident Dt: 2/2/1990
Year:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium: LAND / AIR
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/2/1990
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL TANK TRUCK-50 L AVIATION FUEL TO ASPHALT
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: SHELL CANADA PRODUCTS LTD.
 SERVICE STATION OTTAWA CITY ON **Database:**
SPL

Ref No: 60160
Site No:
Incident Dt: 11/24/1991
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101

Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	SHELL, FIRE DEPT. TRIANGLE PUMP
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	11/25/1991	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	CORROSION	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	SHELL SERVICE STATION - 25 L. OF GASOLINE TO GROUND FROM LEAKY CAR		
Contaminant Qty:			

Site: Van's Industrial & Specialty Coatings<UNOFFICIAL>
Terry Fox Drive, Nepean Ottawa ON

Database:
SPL

Ref No:	2438-6GNMTJ	Discharger Report:	0
Site No:		Material Group:	Oil
Incident Dt:	9/28/2005	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Other Transport Accident	Sector Type:	Other Motor Vehicle
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:	DIESEL FUEL	Site Address:	
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:	Land & Water	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	9/28/2005	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Spills to Watercourses
Incident Reason:	Adverse Road Condition - Road faults	Source Type:	
Site Name:	East side of Terry Fox Drive, between March Road and Legget Drive<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Van's Cleaning, 40 L diesel to road, ditch, sewer		
Contaminant Qty:			

Site: City of Ottawa
LEGGET AND MARCH RD, KANATA<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No:	0123-64NQX5	Discharger Report:	
Site No:		Material Group:	Waste
Incident Dt:	9/9/2004	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Discharge Or Bypass To A Watercourse	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:	44	Nearest Watercourse:	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED	Site Address:	
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	Eastern
Environment Impact:	Possible	Site Municipality:	Ottawa
Nature of Impact:	Surface Water Pollution	Site Lot:	
Receiving Medium:	Water	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	9/9/2004	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Spill to Inland Watercourses
Incident Reason:	Equipment Failure	Source Type:	

Site Name: LEGGET AND MARCH RD, KANATA<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Legget & March Rd SPS,raw,unchlorin,equip failure
Contaminant Qty:

Site: Shell Canada Products Limited
Shell Canada Ottawa ON

Database:
SPL

Ref No: 6267-5M2K7H
Site No:
Incident Dt: 4/28/2003
Year:
Incident Cause:
Incident Event:
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Possible
Nature of Impact: Other Impact(s)
Receiving Medium: Land
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/28/2003
Dt Document Closed:
Incident Reason:
Site Name: LOADING RACK 1<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Shell - 1L gasoline
Contaminant Qty: 1 L

Discharger Report:
Material Group: Oil
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Spills
Source Type:

Site: OTTAWA-CARLETON TRANSIT
MARCH ROAD, SOUTH OF CARLING OTTAWA CITY ON

Database:
SPL

Ref No: 222088
Site No:
Incident Dt: 2/25/2002
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: LAND / WATER
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/25/2002
Dt Document Closed:
Incident Reason: MATERIAL FAILURE
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: OTTAWA-CARLETON, REG. MUN.
LEGGETT DRIVE, MARCH ROAD PUMP STATION, UNDERGROUND FUEL TANK. KANATA SITE-MARCH ROAD
PUMP STATION LEGGETT DRIVE KANATA CITY ON

Database:
SPL

Ref No:	134351	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	//	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	CONTAINER OVERFLOW	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	20103
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	11/18/1996	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	REG. MUN. OTTAWA-CARLETONL.U.S.T. FUEL LEAKING OUTTOP OF THE TANK.		
Contaminant Qty:			

Site: ONTARIO HYDRO
SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

Database:
SPL

Ref No:	128700	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	6/26/1996	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	COOLING SYSTEM LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20103
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	EPS
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/3/1996	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	OTHER	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.		
Contaminant Qty:			

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	84404	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	4/21/1993	Health/Env Conseq:	
Year:		Client Type:	

Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/22/1993
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL CANADA - 40 L OF AVIATION FUEL AT GATE A DUE TO TRUCK LEAK
Contaminant Qty:

Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: SHELL CANADA PRODUCTS LTD.
 TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
 SPL

Ref No: 81843
Site No:
Incident Dt: 2/14/1993
Year:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/14/1993
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL CANADA - 20 L OF AVIATION FUEL TO RAMP DUE TO TRUCK LEAK
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: SHELL CANADA PRODUCTS LTD.
 TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
 SPL

Ref No: 81836
Site No:
Incident Dt: 2/14/1993
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101

Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scrn:
MOE Reported Dt: 2/14/1993
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary:
Contaminant Qty:

Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

SHELL-25L OF JET A-1 FUEL TO GROUND DURING FUELLING CONTAINED, CLEANED UP.

Site: lot 8 ON

Database:
WWIS

Well ID: 1500396
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/26/1948
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1107
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: OTTAWA CITY (GLOUCESTER)
Site Info:
Lot: 008
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10022441
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 29-Oct-1947 00:00:00
Remarks:
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: 930989162
Layer: 2
Color:
General Color:
Mat1: 26
Most Common Material: ROCK

Mat2: 19
Mat2 Desc: SLATE
Mat3:
Mat3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 51.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 930989161
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961500396
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10571011
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037815
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 28.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037816
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 51.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500396
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 6.0
Recommended Pump Depth:
Pumping Rate: 8.0
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: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933452913
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 51.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

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

Government Publication Date: 1999-Sep 30, 2021

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 2019

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: Feb 28, 2022

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-Sep 30, 2021

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 -Apr 2022

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Jan 2022

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Apr 30, 2022

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 - Sep 2020

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: Feb 28, 2022

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011- Apr 30, 2022

Environmental Registry:

Provincial [EBR](#)

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

Government Publication Date: 1994 - Apr 30, 2022

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011- Apr 30, 2022

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, 2022

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: Dec 31, 2016

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 / 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, 2021

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: Feb 28, 2022

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-Apr 2022

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: May 31, 2018

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: Feb 28, 2022

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-Feb 28, 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 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

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: Feb 28, 2019

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 2022

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, 2020

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-Apr 2018

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:

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.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-Feb 28, 2022

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-Jan 2021

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 all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Apr 30, 2022

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011- Apr 30, 2022

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 all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Apr 30, 2022

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, 1992-2019

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).

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 2022

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-Sep 30, 2021

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

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all 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. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2019

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 - Dec 2020

Variations 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- Apr 30, 2022

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 30th, 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: Sep 30, 2021

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.

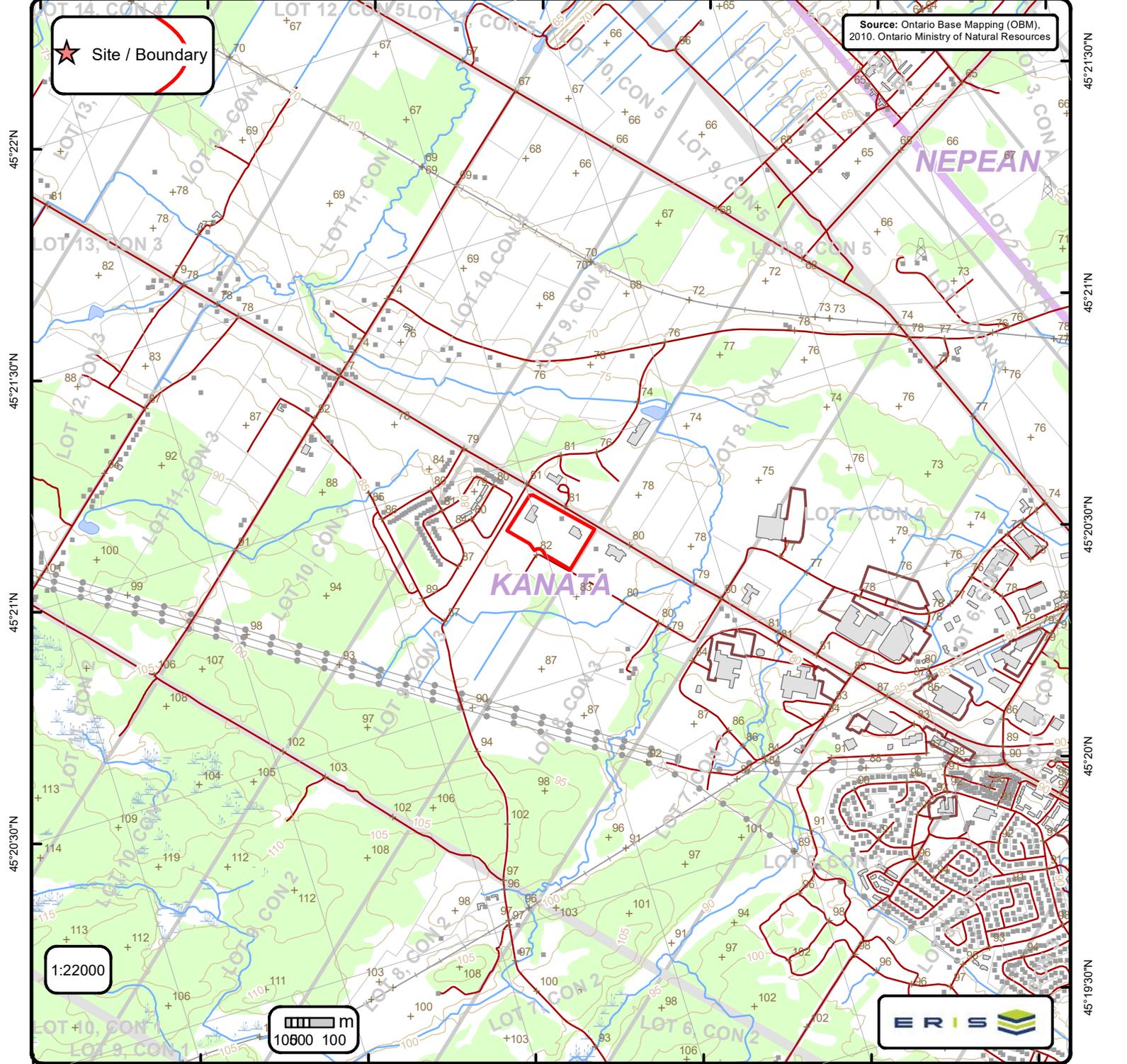
'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

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.

75°56'30"W 75°56'W 75°55'30"W 75°55'W 75°54'30"W 75°54'W 75°53'30"W

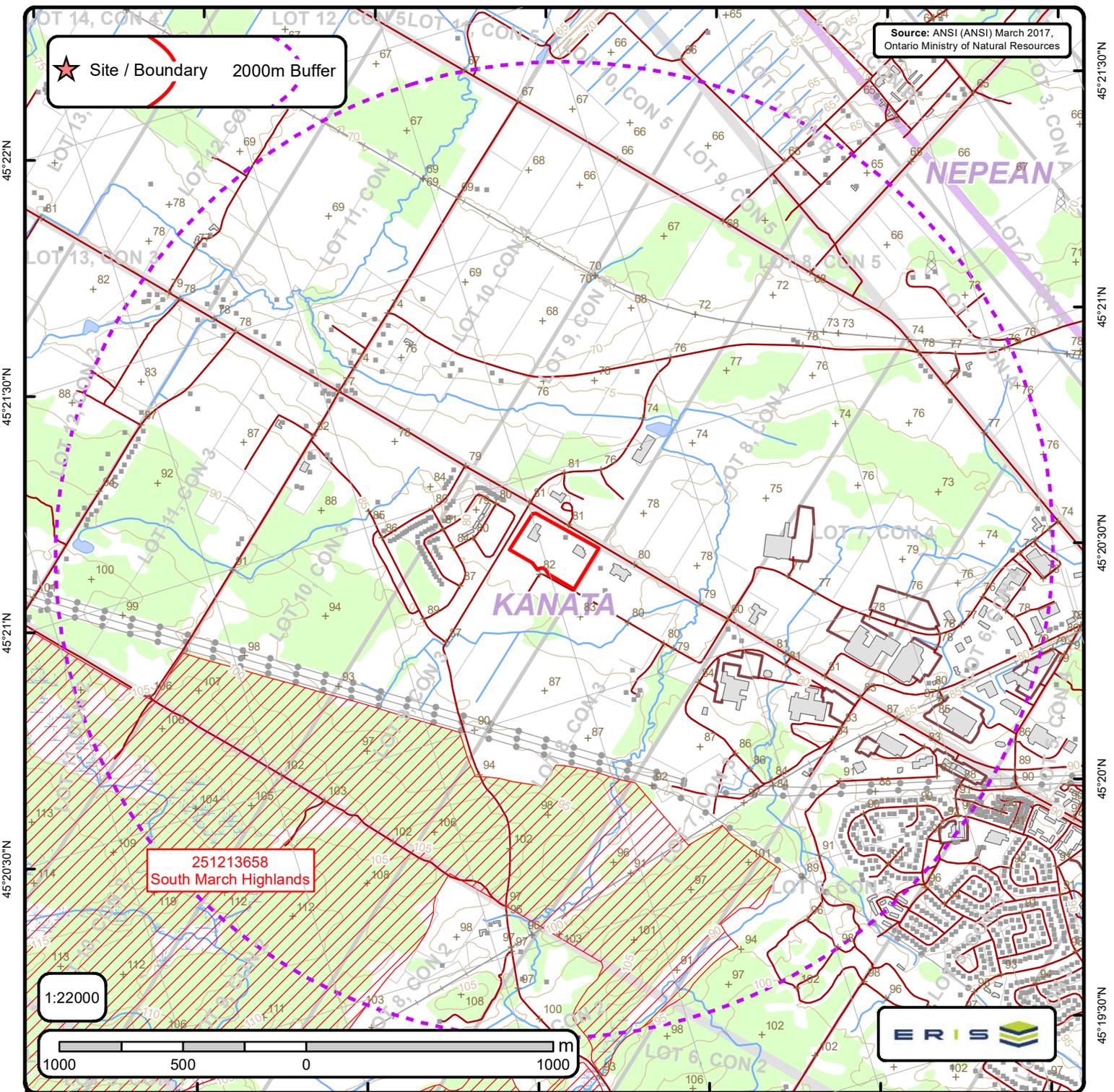


Ontario Base Mapping (OBM) Data

Order No. 22051300303

+	Spot Height (metre)	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—●—	Utility Line	▭	Pit or Quarry	▭	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	▭	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	▭	Municipal Park
—	Misc. Line	—	River or Stream	▭	Concession	▭	Provincial Park
—+—	Railroads	▭	Airports	▭	Lots	▭	National Park
—	Roads	■	Tanks	▭	Municipality	▭	Nature Reserve
- - -	Trail	▭	Building to Scale	▭	Land Ownership		

75°56'30"W 75°56'W 75°55'30"W 75°55'W 75°54'30"W 75°54'W 75°53'30"W



Area of Natural & Scientific Interest (ANSI) Order No. 22051300303

+	Spot Height	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	■	Concession	■	Provincial Park
—	Railroads	■	Airports	■	Lots	■	National Park
—	Roads	■	Tanks	■	Municipality	■	Nature Reserve
- - -	Trail	■	Building to Scale	■	Land Ownership	■	ANSI Area



ANSI Report

ANSI Units Found within 2000 m of
555, 591, 595, and 603 March Road

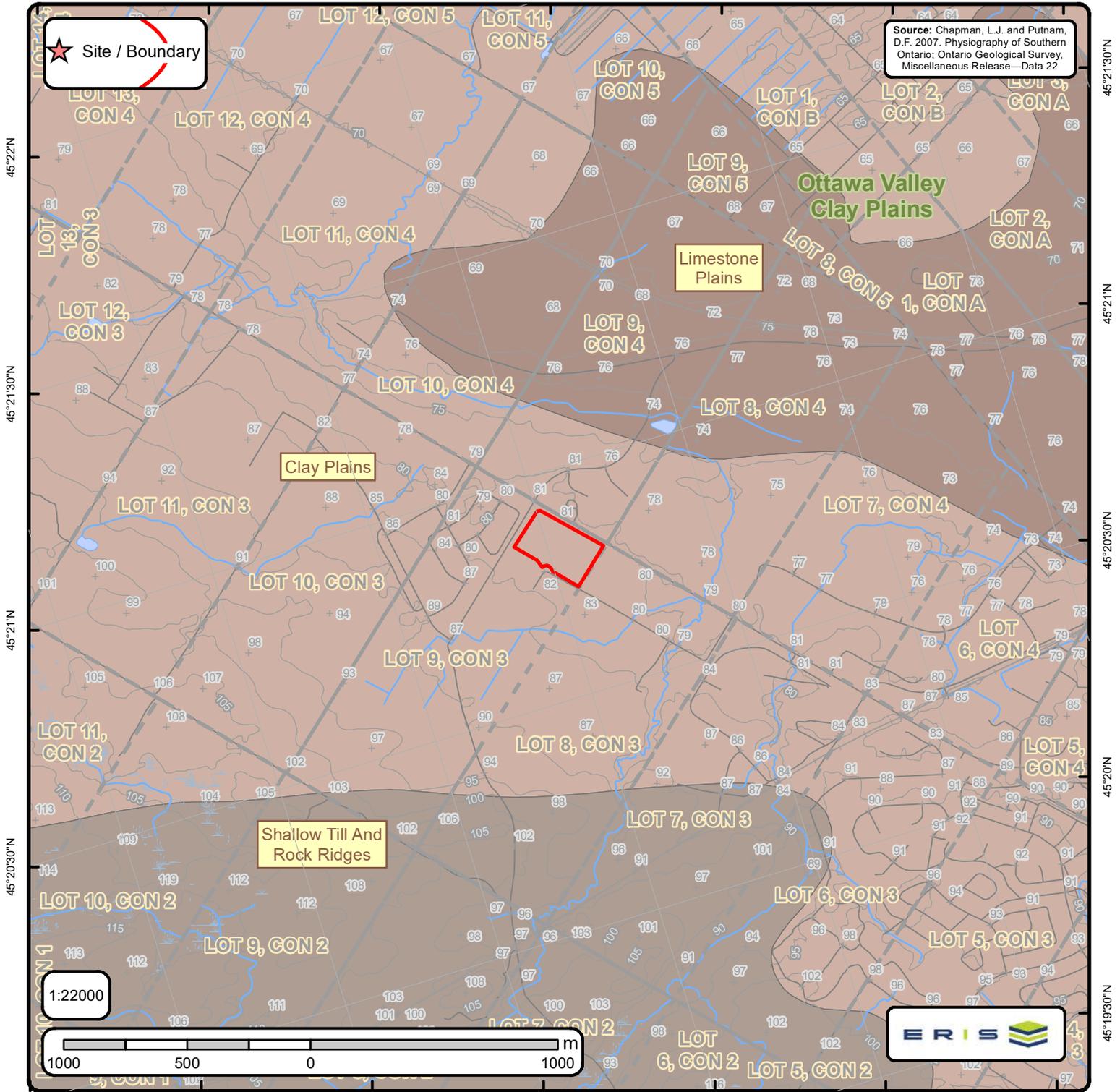
Page 1
Order No.
22051300303



ANSI Name: South March Highlands

ID: 251213658 | **Type:** Candidate ANSI, Life Science | **Significance:** Provincial | **Management Plan:** No | **Area (sqm):** 8955569.866 |

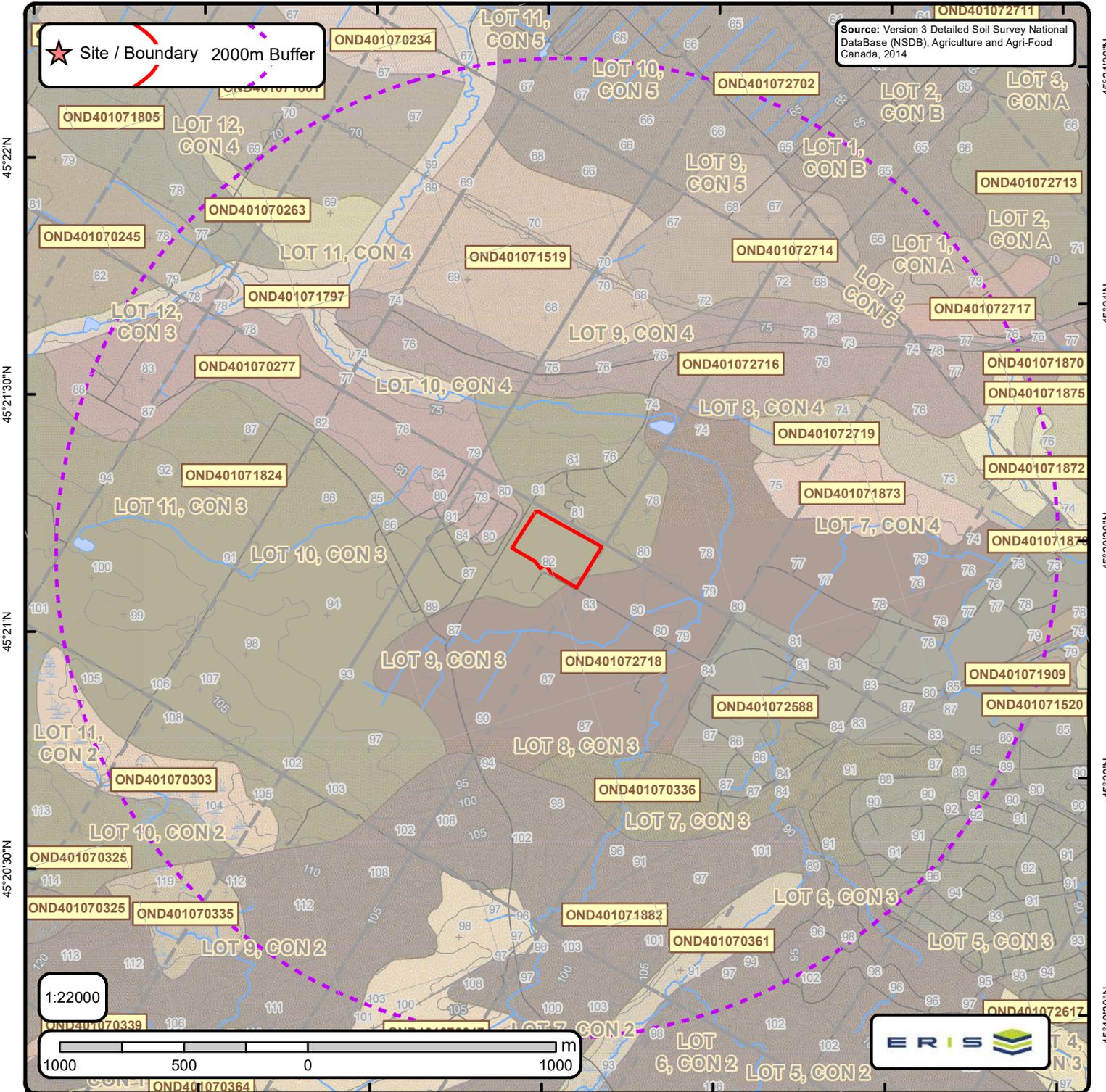
Comments:



Physiography of Southern Ontario

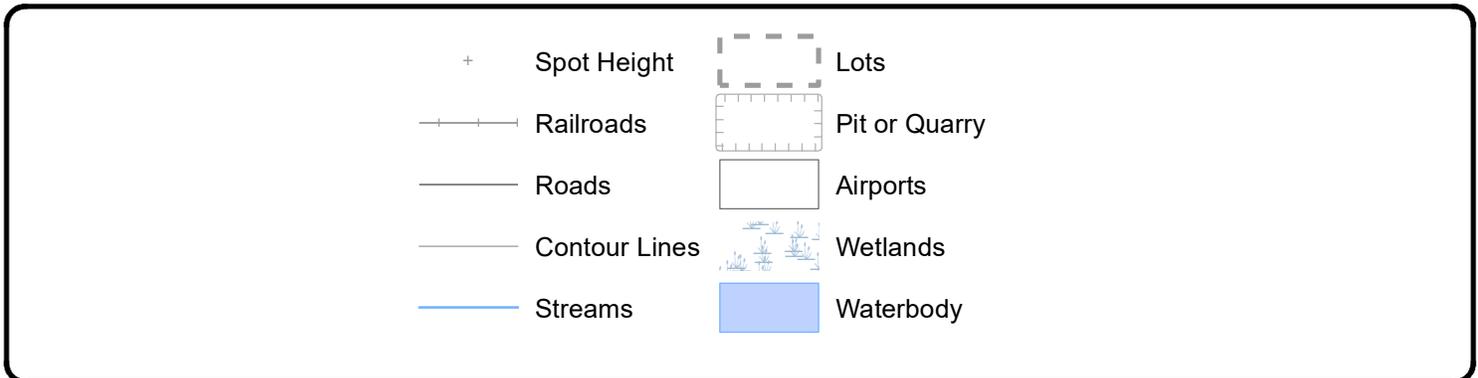
Order No. 22051300303

+ Spot Height	— Lots	◆ Boulder Pavement	■ Bare Rock Ridges And Shallow Till	■ Peat And Muck
— Roads	▭ Pit or Quarry	◆ Dissected Terrain	■ Beaches	■ Sand Plains
— Railroads	▭ Airports	■ Mud Flow Scars	■ Bevelled Till Plains	■ Shale Plains
— Contour Lines	▭ Wetlands	▲ Sand Dunes	■ Clay Plains	■ Shallow Till And Rock Ridges
— Streams	■ Waterbody	— escarpment	■ Drumlins	■ Spillways
		— shorecliff	■ Escarpments	■ Till Moraines
		— shorecliff (weakly developed)	■ Eskers	■ Till Plains (Drumlinized)
		■ Physiography Regions	■ Kame Moraines	■ Till Plains (Undrumlinized)
			■ Limestone Plains	



Detailed Soil Survey (ON Soils)

Order No. 22051300303





Soils Report

Soil Map Units Found within 2000 m of
555, 591, 595, and 603 March Road

Page 1
Order No.
22051300303



Soil ID: OND401071805

Component No : 2 | **Components(%)** : 50 | **Soil Name ID** : ONSHO~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : None | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : OND401071805-ONSHO~~~~~N | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -5-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 40.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 83 | **Total Silt(%)** : 9 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 10.3 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 2.981 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-26 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.598 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 26-64 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 95 | **Total Silt(%)** : 4 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.996 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 64-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 99 | **Total Silt(%)** : 0 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 7.865 | **Electrical Conductivity(dS/m)** : 0

Soil ID: OND401071805

Component No : 1 | **Components(%)** : 50 | **Soil Name ID** : ONSHO~~~~~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)** : 0-4 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 83 | **Total Silt(%)** : 9 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 10.3 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 2.981 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-26 | **Horizon** : Bf | **Layer No** : 2 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.598 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 26-64 | **Horizon** : BC | **Layer No** : 3 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 95 | **Total Silt(%)** : 4 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.996 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 64-100 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 99 | **Total Silt(%)** : 0 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 7.865 | **Electrical Conductivity(dS/m)** : 0

Soil ID: OND401071801

Component No : 1 | **Components(%)** : 50 | **Soil Name ID** : ONVUD~~~~~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** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-18 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 46 | **Total Sand(%)** : 75 | **Total Silt(%)** : 16 | **Total Clay(%)** : 9 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 3.869 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 18-31 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 82 | **Total Silt(%)** : 15 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.065 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 31-63 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 7.127 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 63-78 | **Horizon** : Bg | **Layer No** : 4 | **Very Fine Sand(%)** : 44 | **Total Sand(%)** : 86 | **Total Silt(%)** : 7 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 3.942 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 78-100 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 39 | **Total Sand(%)** : 93 | **Total Silt(%)** : 4 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.172 | **Electrical Conductivity(dS/m)** : 0



Soil ID: OND401071801

Component No : 2 | **Components(%)** : 50 | **Soil Name ID** : ONSPD~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : -6-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 18.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 67 | **Total Silt(%)** : 23 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 7.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.975 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 4-18 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 30 | **Total Sand(%)** : 89 | **Total Silt(%)** : 7 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.081 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 18-25 | **Horizon** : Bfgj | **Layer No** : 4 | **Very Fine Sand(%)** : 47 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.891 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-42 | **Horizon** : Bfgj | **Layer No** : 5 | **Very Fine Sand(%)** : 43 | **Total Sand(%)** : 92 | **Total Silt(%)** : 7 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.131 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 42-59 | **Horizon** : Bgj | **Layer No** : 6 | **Very Fine Sand(%)** : 55 | **Total Sand(%)** : 92 | **Total Silt(%)** : 8 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 9.133 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 59-76 | **Horizon** : Bg | **Layer No** : 7 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 2 | **Total Clay(%)** : 0 | **Organic Carbon(%)** : 0.3 | **pH in**

Soil ID: OND401071824

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

Soil ID: OND401071824

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Very stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401070234

Component No : 1 | **Components(%)** : 100 | **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: OND401071882

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONAUH~~~~~N | **Surface Stoniness Class** : Exceedingly stony | **Slop Steepness(%)** : 12.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-9 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 78 | **Total Silt(%)** : 14 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 5.8 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 7.472 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 9-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 81 | **Total Silt(%)** : 16 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.775 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-100 | **Horizon** : R | **Layer No** : 3 | **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: OND401071797

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: OND401072717

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONNGW~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **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** : Presence of adverse Topography | **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: OND401072716

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSHO~~~~~N | **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)** : -5-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 40.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 83 | **Total Silt(%)** : 9 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 10.3 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 2.981 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 4-26 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.598 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 26-64 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 95 | **Total Silt(%)** : 4 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.996 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 64-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 99 | **Total Silt(%)** : 0 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 7.865 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072714

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Exceedingly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Natural grazing only; no improvements feasible. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401070336

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** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **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: OND401070336

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONAUH~~~~~N | **Surface Stoniness Class** : Exceedingly stony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-9 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 78 | **Total Silt(%)** : 14 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 5.8 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 7.472 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 9-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 81 | **Total Silt(%)** : 16 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.775 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-100 | **Horizon** : R | **Layer No** : 3 | **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: OND401070335

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401070335

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONAUH~~~~~N | **Surface Stoniness Class** : Exceedingly stony | **Slop Steepness(%)** : 7.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : No capability for agriculture. | **First CLI Limitation Subclass** : Presence of consolidated bedrock within one metre of the soil surface | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-9 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 78 | **Total Silt(%)** : 14 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 5.8 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 7.472 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 9-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 13 | **Total Sand(%)** : 81 | **Total Silt(%)** : 16 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 6.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.775 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-100 | **Horizon** : R | **Layer No** : 3 | **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: OND401070277

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: OND401072719

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401072718

Component No : 2 | **Components(%)** : 30 | **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: OND401072718

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: OND401070263

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: OND401070263

Component No : 1 | **Components(%)** : 70 | **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: OND401070303

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072702

Component No : 1 | **Components(%)** : 100 | **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: OND401071875

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONPPV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **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 |

Soil ID: OND401071875

Component No : 1 | **Components(%)** : 70 | **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: OND401071873

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONSHO~~~~~N | **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)** : -5-0 | **Horizon** : LFH | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 40.0 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 2.588 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 0-4 | **Horizon** : Ae | **Layer No** : 2 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 83 | **Total Silt(%)** : 9 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 10.3 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 2.981 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 4-26 | **Horizon** : Bf | **Layer No** : 3 | **Very Fine Sand(%)** : 53 | **Total Sand(%)** : 90 | **Total Silt(%)** : 8 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.598 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 26-64 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 95 | **Total Silt(%)** : 4 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 4.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.996 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 64-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 99 | **Total Silt(%)** : 0 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.1 | **Saturated Hydraulic Conductivity(cm/h)** : 7.865 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071872

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

Soil ID: OND401071872

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONJKV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 69 | **Total Silt(%)** : 21 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.153 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-29 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 26 | **Total Sand(%)** : 80 | **Total Silt(%)** : 17 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.686 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 29-100 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 36 | **Total Sand(%)** : 83 | **Total Silt(%)** : 12 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.903 | **Electrical Conductivity(dS/m)** : 0

Soil ID: OND401071909

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



Soils Report

Soil Map Units Found within 2000 m of
555, 591, 595, and 603 March Road

Page 11
Order No.
22051300303



Soil ID: OND401070347

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONNGW~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-25 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 43 | **Total Silt(%)** : 41 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.375 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-37 | **Horizon** : Bgj | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 45 | **Total Silt(%)** : 40 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 3.3 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.752 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 37-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 20 | **Total Silt(%)** : 63 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.29 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401070361

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072588

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



Soil ID: OND401071519

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

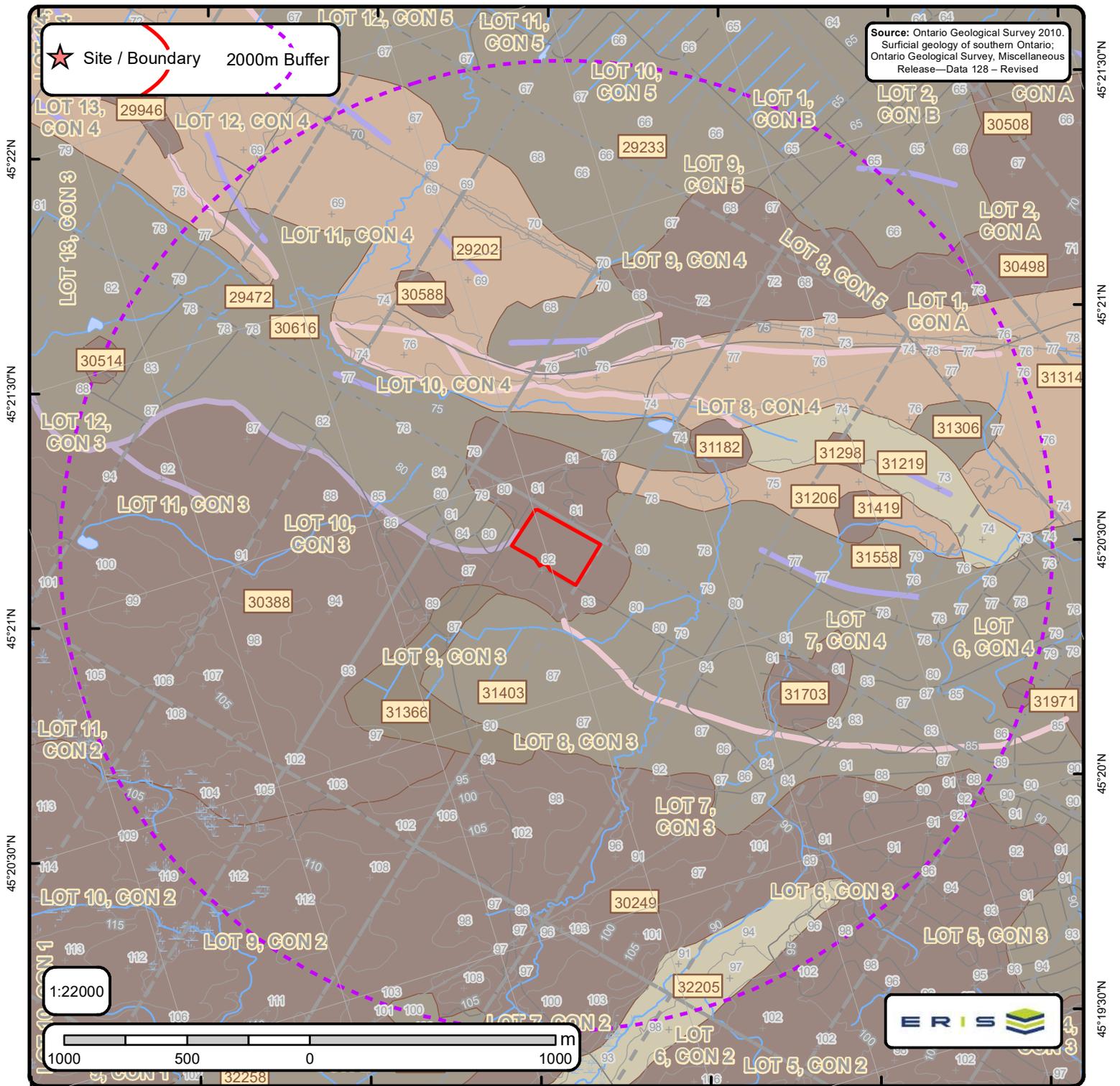
Soil ID: OND401071519

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

Soil ID: OND401070245

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 |

75°56'30"W 75°56'W 75°55'30"W 75°55'W 75°54'30"W 75°54'W 75°53'30"W



The Surficial Geology of Southern Ontario Order No. 22051300303





ID: 29202 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels

ID: 29233 | **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: 29472 | **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 varia

ID: 30249 | **Unit Name:** Bedrock |
Deposit Type Code: Pr | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Precambrian Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Intrusive and metamorphic rocks (Precambrian); mainly bare, hummocky, rolling or hilly rock knob upland; includes areas thinly veneered by unconsolidated sediments up to 2 m thick.

ID: 30388 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.



ID: 30498 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 30514 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 30588 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 30616 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels

ID: 31182 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 |
Primary Material: Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.



ID: 31206 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels

ID: 31219 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 31298 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 31306 | **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 varia

ID: 31366 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc



ID: 31403 | **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: 31419 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 31558 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 31703 | **Unit Name:** Bedrock |
Deposit Type Code: Pr | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Precambrian Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Intrusive and metamorphic rocks (Precambrian); mainly bare, hummocky, rolling or hilly rock knob upland; includes areas thinly veneered by unconsolidated sediments up to 2 m thick.

ID: 31949 | **Unit Name:** Bedrock |
Deposit Type Code: Pr | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Precambrian Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Intrusive and metamorphic rocks (Precambrian); mainly bare, hummocky, rolling or hilly rock knob upland; includes areas thinly veneered by unconsolidated sediments up to 2 m thick.



Surface Geology Report

Surface Geology units found within 2000 m of
555, 591, 595, and 603 March Road

Page 5
Order No.
22051300303



ID: 32153 | **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: 32205 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.



ID - 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'.



Bedrock Geology Report

Bedrock Geology units found within 2000 m of
555, 591, 595, and 603 March Road

Page 1
Order No.
22051300303



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):**

ID: 2126 | **Unit Name:** Clastic metasedimentary rocks |
Type (All): 45 | **Type (Primary):** 45 | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Conglomerate, wacke, quartz arenite, arkose, limestone, siltstone, chert, minor iron formation, minor metavolcanic rocks | **Strata (Primary):** Grenville Supergroup and Flinton Group (ask Mike if this covers any other units) | **Super Eon (Primary):** PRECAMBRIAN (0.542 Ga to <3.85 Ga) | **Eon (Primary):** PROTEROZOIC (0.542 Ga to 2.50 Ga) | **Era (Primary):** NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga) | **Period (Primary):** | **Epoch (Primary):** | **Province (Primary):** GRENVILLE

ID: 2135 | **Unit Name:** Clastic metasedimentary rocks |
Type (All): 45 | **Type (Primary):** 45 | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Conglomerate, wacke, quartz arenite, arkose, limestone, siltstone, chert, minor iron formation, minor metavolcanic rocks | **Strata (Primary):** Grenville Supergroup and Flinton Group (ask Mike if this covers any other units) | **Super Eon (Primary):** PRECAMBRIAN (0.542 Ga to <3.85 Ga) | **Eon (Primary):** PROTEROZOIC (0.542 Ga to 2.50 Ga) | **Era (Primary):** NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga) | **Period (Primary):** | **Epoch (Primary):** | **Province (Primary):** GRENVILLE

ID: 2155 | **Unit Name:** Mafic to ultramafic plutonic rocks |
Type (All): 49 | **Type (Primary):** 49 | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Diorite, gabbro, peridotite, pyroxenite, anorthosite, derived metamorphic rocks | **Strata (Primary):** | **Super Eon (Primary):** PRECAMBRIAN (0.542 Ga to <3.85 Ga) | **Eon (Primary):** PROTEROZOIC (0.542 Ga to 2.50 Ga) | **Era (Primary):** NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga) | **Period (Primary):** | **Epoch (Primary):** | **Province (Primary):** GRENVILLE



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



APPENDIX H

Aerial Photos



1934 Aerial Photo – Scale 1:15,000. Phase one property roughly outlined in red



1945 Aerial Photo – Scale 1:15,000. Phase one property roughly outlined in red



1958 Aerial Photo – Scale 1:20,000. Phase one property roughly outlined in red



1965 Aerial Photo – Scale 1:15,000. Phase one property roughly outlined in red



1976 Aerial Photo – Collected from GeoOttawa. Phase one property roughly outlined in red



1985 Aerial Photo – Scale 1:15,000. Phase one property roughly outlined in red



1991 Aerial Photo – Collected from GeoOttawa. Phase one property roughly outlined in red



1999 Aerial Photo – Collected from GeoOttawa. Phase one property roughly outlined in red



2005 Aerial Photo – Collected from GeoOttawa. Phase one property roughly outlined in red



2011 Aerial Photo – Collected from GeoOttawa. Phase one property roughly outlined in red



APPENDIX I

Plan of Survey

MARCH ROAD ROAD ALLOWANCE BETWEEN CONCESSIONS 3 AND 4 NO. 49

ORDER IN COUNCIL 2446/92 INST. NS16650 (M.T.O. PLAN P-1648-45)
P.I.N. 04517 - 0348

TOPOGRAPHICAL PLAN OF SURVEY OF
BLOCK 1
REGISTERED PLAN 4M-1104
AND PART OF LOT 9
CONCESSION 3
Geographic Township of March
OTTAWA
Surveyed by Annis, O'Sullivan, Vollebek Ltd.

Scale 1:500
0 10 20 30 40 50 60 70 80 90 100 Metres

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

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 30th day of June, 2022.

July 13, 2022
Date
J. E. Anderson
Ontario Land Surveyor

Notes & Legend

- Denotes
- Survey Monument Planted
 - Survey Monument Found
 - SIB Standard Iron Bar
 - SSIB Short Standard Iron Bar
 - IB Iron Bar
 - CC Cut Cross
 - CP Concrete Pin
 - IRB Round Iron Bar
 - SBW Spike & Washer
 - SSW Short Standard Iron Bar
 - IS* Iron Bar
 - (WIT) Witness
 - Meas. Meas. ured
 - (AOG) Annis, O'Sullivan, Vollebek Ltd.
 - (PI) Registered Plan 4M-1104
 - (P2) Plan 4R-12735
 - (P3) Plan by (AOG) dated March 23, 2009
 - (P4) Plan 4R-24509
 - (P5) Plan 5R-9546
 - (P6) Plan by (AOG) dated June 6, 1989
 - (P7) Plan 5R-11923
 - (P8) Plan 5R-12441
 - (P9) Plan by (AOG) dated July 9, 1998
 - (P10) Plan 5R-11714
 - (P11) Plan 5R-4309
 - (P12) Plan 5R-10165
 - (P13) Plan 5R-10522
 - (P14) Plan 4R-12558
 - (P15) (AOG) Plan dated July 6, 1999
 - Deciduous Tree
 - ★ Coniferous Tree
 - FH Fire Hydrant
 - W Water Stand Post
 - MH-S Maintenance Hole (Sanitary)
 - MH-B Maintenance Hole (Bell Telephone)
 - MH-T Maintenance Hole (Traffic)
 - MH-U Maintenance Hole (Unidentified)
 - V Valve Chamber (Watermain)
 - CB Catch Basin
 - CSP Corrugated Steel Pipe
 - CPP Corrugated Plastic Pipe
 - GM Gas Meter
 - HH Handhole
 - TB-B Bell Terminal Box
 - TB-C Cable Terminal Box
 - TB-T Traffic Terminal Box
 - TB-U Unidentified Terminal Box
 - TS Traffic Signal Post
 - B Bollard
 - M-W Monitoring Well
 - S Sign
 - CLF Chain Link Fence
 - BF Board Fence
 - IF Iron Fence
 - C Pole
 - M-P Metal Pole
 - TL Traffic Light
 - LS Light Standard
 - FP Flag Pole
 - D Diameter
 - +65.00 Location of Elevations
 - +65.00 Top of Concrete Curb Elevation
 - CL Centreline

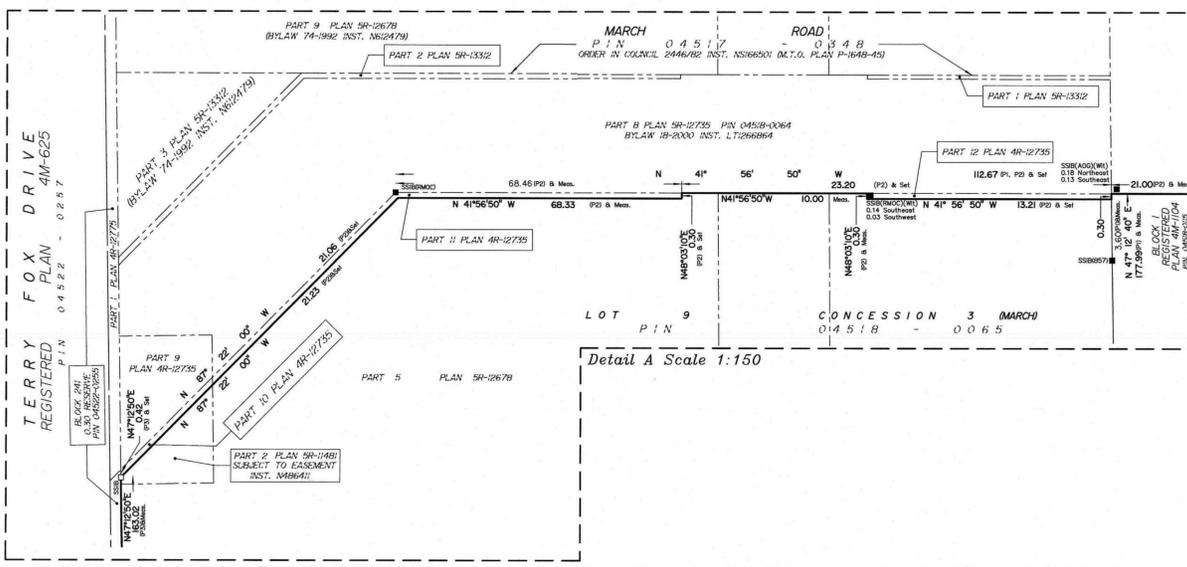
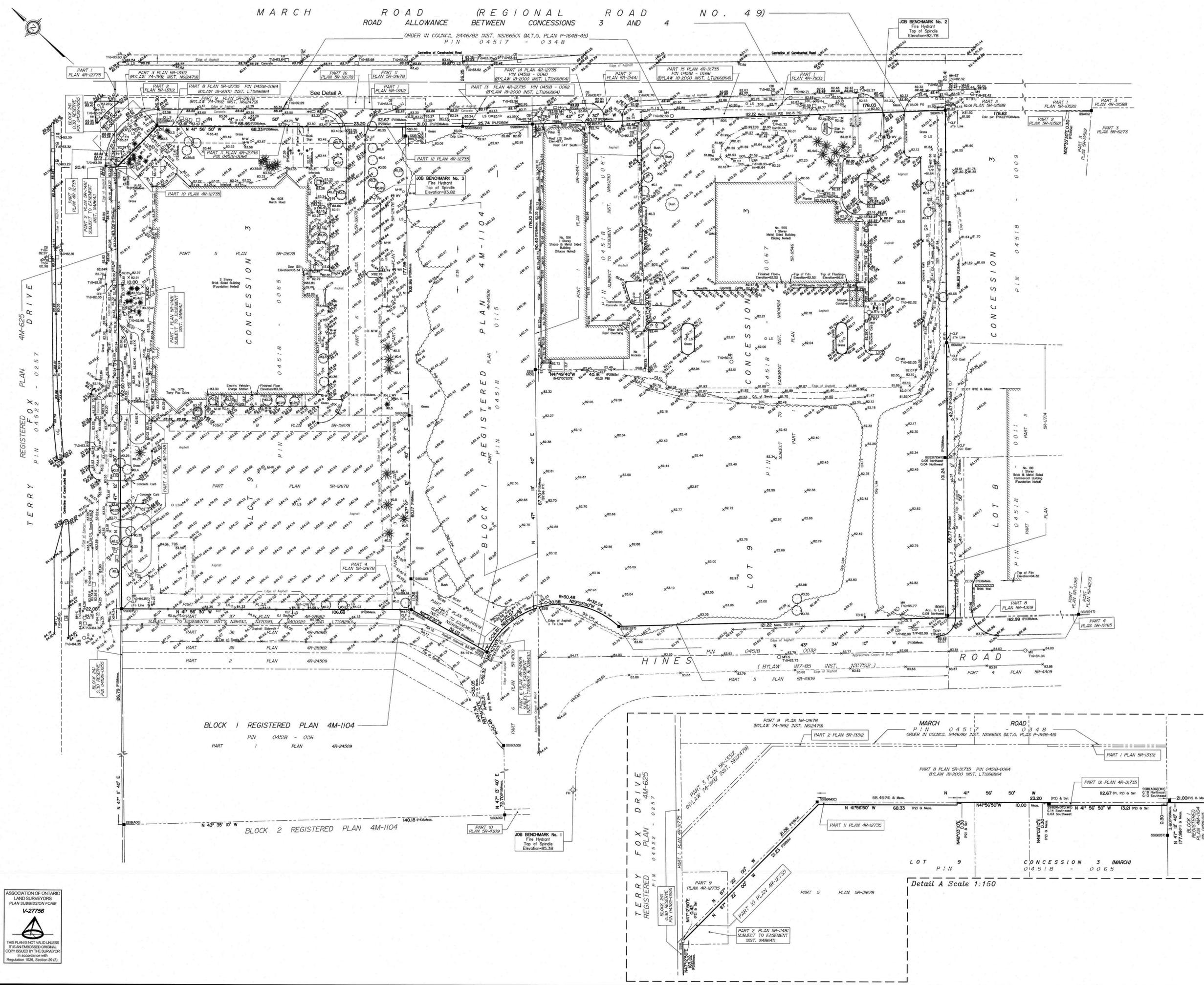
Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.999912.
Bearings are grid, derived from Can-Net 2016 Real Time Network GPS observations referenced to Specified Control Points 0191980037 and 01919791051, MTM Zone 9 (79°30' West Longitude) NAD-83 (original).
For bearing comparisons, a rotation of 0°23'07" counter-clockwise was applied to bearings on plans P1 and P4, a rotation of 0°25'10" counter-clockwise was applied to bearings on plan P8 and a rotation of 0°24'40" counter-clockwise was applied to bearings on plan P11.

SITE AREA = 55524 m²

UTILITY NOTES
1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. A field location of underground utility by the permit utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

ELEVATION NOTES
1. Elevations shown are geodetic and are referred to the CGVD28 geodetic datum and are related to the Ministry of Natural Resources monument number 0011968U001 having an elevation of 78.945.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that its relative elevation and description agrees with the information shown on this drawing.

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ASSOCIATION OF ONTARIO
LAND SURVEYORS
PLAN SUBMISSION FORM
V-27756
THIS PLAN IS NOT VALID UNLESS
IT IS AN EMBOSSED ORIGINAL
COPY ISSUED BY THE SURVEYOR
IN ACCORDANCE WITH
REGULATION 102R, SECTION 29 (3)