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REPORT ON

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
401 MARCH ROAD
OTTAWA, ONTARIO

Submitted to:

Starbank Properties Corporation
329 Brooke Avenue
Toronto, Ontario
M5M 2L4

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1.0 EXECUTIVE SUMMARY

Houle Chevrier Engineering Ltd. (HCEL) was retained by Starbank Properties Corporation to carry out a Phase One Environmental Site Assessment (ESA) for the property located at 401 March Road in Ottawa, Ontario (hereafter referred to as “the subject property”).

The primary objective of this Phase One ESA was to identify any former or current operations or practices at the subject property and its vicinity to document the presence or absence of areas of potential environmental concern. This Phase One ESA was carried out in accordance with Ontario Regulation 153/04 made under the Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation.

Section 2.0 of this report provides a brief description of the site and Section 3.0 of this report provides the scope of investigation. Section 4.0 presents the findings of the records review. Section 5.0 presents the results of the interviews conducted. Section 6.0 presents the findings of the site reconnaissance. Section 7.0 provides a review and evaluation of information gathered. Section 8.0 presents the conclusions and recommendations of the study. Section 9.0 lists the references used and Section 10.0 provides the appendices.

The following Areas of Potential Environmental Concern (APECs) were determined through the Phase One ESA to exist for the subject property:

APEC 1: Fill Material

During the site reconnaissance the topography of the subject property appeared to be raised in reference to the surround properties, which indicates that filling has taken place. In addition a borehole record identified on the subject property in the ERIS Report indicated 1.4 metres of fill on the property. The contaminants of concern are PHCs, VOCs, PAHs and metals.

APEC 2: Debris

The site reconnaissance identified a pile of construction debris in the western portion of the subject property. The construction debris contained concrete, wood and metal. The contaminants of concern are metals.

APEC 3: Off-Site PCAs to the South

The historical review and site reconnaissance identified a railway line adjacent to the south of the subject property. Multiple waste generators and manufacturers of electronic, computer and vehicle parts including propulsion systems were identified from 35 to 90 metres south of the subject property. In addition, the MOE well records identified four (4) monitoring wells constructed on the adjacent property to the south. The contaminants of concern are PAHs, VOCs, PHCs and metals.

APEC 4: Off-Site PCAs to the North

The ERIS report identified a waste generator, medical devices manufacturer and lead pollutant releases at the property adjacent to the north of the subject property. The closest point of the building which appears to be the location of the factory and/or warehouse is located approximately 80 metres northwest of the subject property. The contaminants of concern are VOCs, PAHs and metals.

Based on this information, it is our opinion that a Phase Two Environmental Site Assessment is required for the subject property in order to investigate the APECs on the subject property.

2.0 INTRODUCTION

2.1 Phase One Property Information

Houle Chevrier Engineering Ltd. (HCEL) was retained by the Starbank Properties Corporation to carry out a Phase One Environmental Site Assessment (ESA) for the property located at 401 March Road in Ottawa, Ontario. The legal description for the property is Part of Lot 6, Concession 3, being Part 3 on Plan 4R-12138, same and except Parts 14615 on Plan 4R-11329, Geographic Township of March, City of Ottawa. PIN 04518-0051. The general location of the subject property is illustrated on the Key Plan, Figure 1.

The subject property is owned by 1443626 Ontario Inc. and March Road Hotel Partnerships. The contact person for the property is Mr. Dung Lam at 416-922-2222.

3.0 SCOPE OF INVESTIGATION

The primary objective of this Phase One ESA was to identify any former or current operations or practices at the subject property and its vicinity to document the presence or absence of areas of potential environmental concern.

This Phase One ESA was carried out in accordance with Ontario Regulation 153/04 made under the Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation. The scope of the investigation includes a records review, interviews, a site reconnaissance, an evaluation of the information gathered and reporting. The Phase One ESA report will document and demonstrate how the objectives of the Phase One ESA were achieved, whether further investigation is required, whether there exists an adequate basis for any further investigation and whether there is a basis for any required certifications.

4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The subject property is approximately 1.4 hectares (3.4 acres) in size and is located at 401 March Road in Ottawa, Ontario. The current site use is unused vacant land and has historically been unused vacant land since at least prior to 1934. Surrounding land use has historically been agricultural until sometime between 1958 and 1967 when development began and currently is a mix of commercial and industrial. Based on this information, a Phase One ESA study area of 250 metres surrounding the subject property is deemed sufficient for the purpose of this Phase One ESA. The location of the subject property and the extent of the Phase One ESA study area are provided on the Study Area Plan, Figure 2.

No land use outside the 250 metres study area has been identified as a considerable environmental concern to warrant inclusion in the study area.

4.1.2 First Developed Use Determination

Based on a review of the information, the subject property was never developed.

4.1.3 Fire Insurance Plans / Insurance Reports

No fire insurance plans were available for the subject property. The results of the search are provided in Appendix A.

4.1.4 Chain of Title

A chain of title search for this property was provided by Wentzell Titles of Kemptville, Ontario and is provided in Appendix B. The legal description for 401 March Road is Part of Lot 6, Concession 3, being Part 3 on Plan 4R-12138, same and except Parts 14615 on Plan 4R-11329, Geographic Township of March, City of Ottawa. PIN 04518-0051. The highlights of the chain of title search are provided as follows:

- The property was first purchased by Edward Loggan from the Crown sometime prior to 1831;

- Atomic Energy of Canada Limited purchased the property in 1966 and sold the property to Balys Holdings Inc. in 1997;
- The current owners purchased the property in 2001.

One potential environmental concern identified from the review of the historical land ownership is that Atomic Energy of Canada Limited owned the property from 1966 to 1997, however no development occurred during that time on the subject property.

4.1.5 Environmental Reports

No environmental reports were provided for our review.

4.2 Environmental Source Information

4.2.1 Ecolog Eris Database Report

HCEL contacted Ecolog Environmental Risk Information Services Ltd. (Ecolog Eris) to conduct a search of over fifty (50) public and private information databases for the subject property and the area within 250 metres of the subject property. The complete Ecolog Eris report including a list of databases searched is provided in Appendix C.

All listings were reviewed and the following entries were identified as relevant:

Company / Name	Location – Distance from subject property	Database	Description
-	On the subject property	Borehole	<ul style="list-style-type: none">- Borehole record from 1984- Fill material to 1.4 metres below ground surface followed by topsoil, weathered crust and firm silty clay
PUC	Carling Avenue, between March Road and Legget Drive – 35 to more than 250 metres east	Ontario Spills	<ul style="list-style-type: none">- Raw sewage into storm ditch in 1991- Environmental impact listed as not anticipated
Loeb Inc.	March Road and Carling Avenue – adjacent to the north	Ontario Spills	<ul style="list-style-type: none">- 163 Kg of Freon to air due to equipment failure- Environmental impact to air listed as not anticipated
Spar Aerospace	365 March Road –35 metres south	Ontario Regulation 347 Waste Generators Summary	Wastes listed: <ul style="list-style-type: none">- Acid waste – heavy metals- Paint/pigment/coating residues- Inorganic laboratory

Company / Name	Location – Distance from subject property	Database	Description
DRS Technologies Canada Company			chemicals - Aliphatic solvents - Halogenated solvents - Waste oils & lubricants - Organic laboratory chemicals
DRS Flight Safety & Communication	365 March Road – 35 metres south	Scott's Manufacturing Directory	Manufactures: - Guided missile and space vehicle propulsion units and propulsion unit parts - Guided missile and space vehicle parts and auxiliary equipment, not elsewhere classified
Morguard Investments	356 March Road – not mapped, assumed 90 metres east	Ontario Regulation 347 Waste Generators Summary	Wastes listed: - Other specified inorganic sludges, slurries or solids
Kanata Research Park Corporation	390 March Road – 150 metres northeast	Environmental Activity and Sector Registry	- Registered heating system - Registered standby power system
Optotek Limited	62 Steacie Drive – 90 metres south	Certificate of Approval	- Approval for industrial air - Halogenated solvents listed
AMCA International Ltd.		Ontario Regulation 347 Waste Generators Summary	Wastes listed: - Inorganic laboratory chemicals - Aliphatic solvents - Halogenated solvents - Waste oils & lubricants - Aromatic solvents - Petroleum distillates - Emulsified oils - Organic laboratory chemicals - Waste compressed gases
Golder Associates			Wastes listed: - Waste oils & lubricants - Petroleum distillates - Emulsified oils
Optotek Limited	62 Steacie Drive – 90 metres south	Scott's Manufacturing Directory	Manufactures: - Manufacturing and reproducing magnetic and optical media - Semiconductor and other electronic component manufacturing - Computer systems design and related services

Company / Name	Location – Distance from subject property	Database	Description
MDS Nordion / Atomic Energy, AECL Radiochemical Company/ Best Theratronics Ltd.	413 March Road – 80 metres northwest	Ontario Regulation 347 Waste Generators Summary	<p>All wastes listed:</p> <ul style="list-style-type: none"> - Acid waste – heavy metals - Other inorganic acid wastes - Alkaline wastes – other metals - Neutralized wastes – heavy metals - Steel making residues - Paint/pigment/coating residues - Other specified inorganics - Inorganic laboratory chemicals - Aromatic solvents - Aliphatic solvents - Petroleum distillates - Light fuels - Halogenated solvents - Oil skimmings & sludges - Waste oils & lubricants - Emulsified oils - Organic laboratory chemicals - Organic acids - Photoprocessing wastes - Pathological wastes - Waste compressed gases
Best Theratronics Ltd.		National Pollutant Release Inventory	- Release of lead (and its compounds) in 2008, 2009, 2010 and 2011
Best Medical Canada, Ltd.		Scott's Manufacturing Directory	<p>Manufactures:</p> <ul style="list-style-type: none"> - Measuring, medical and controlling devices - Electromedical and electrotherapeutic apparatus
Control Microsystems Inc.	48 Steacie Drive – 165 metres south	Ontario Regulation 347 Waste Generators Summary	<p>Wastes listed:</p> <ul style="list-style-type: none"> - Halogenated solvents - Petroleum distillates - Aliphatic solvents
		Canadian Pulp and Paper	<ul style="list-style-type: none"> - Listed in 2009 - Develops and manufactures supervisory control and data acquisition hardware and software

Company / Name	Location – Distance from subject property	Database	Description
		Scott's Manufacturing Directory	<p>Manufactures:</p> <ul style="list-style-type: none"> - Computer and peripheral equipment manufacturing - Switchgear and switchboard, and relay and industrial control apparatus manufacturing - All other general-purpose machinery manufacturing - Audio and video equipment manufacturing - Computer and peripheral equipment manufacturing - Semiconductor and other electronic component manufacturing - Wiring device manufacturing - Radio and television broadcasting and wireless communications equipment manufacturing - Other communications equipment manufacturing - Software publishers
Reltek Inc	44 Steacie Drive – 165 metres south	Scott's Manufacturing Directory	<p>Manufactures:</p> <ul style="list-style-type: none"> - Computer peripheral equipment, not elsewhere classified - Radio and television broadcasting and communications equipment - Computer and peripheral equipment - Radio and television broadcasting and wireless communications equipment
Zarlink Semiconductor Inc.	400 March Road – 240 metres north	Certificates of Approval	<ul style="list-style-type: none"> - Certificate of approval for industrial air for an emergency diesel generator, two gas-fired water heaters, one gas-fired stem humidifier and two boilers

Company / Name	Location – Distance from subject property	Database	Description
		Ontario regulation 347 Waste Generators Summary	<p>Wastes listed:</p> <ul style="list-style-type: none"> - Inorganic laboratory chemicals - Acid waste – heavy metals - Waste compressed gases - Halogenated solvents - Acid waste – other metals - Organic laboratory chemicals - Alkaline wastes – heavy metals - Alkaline wastes – other metals - Waste oils & lubricants - Aliphatic solvents - Pathological wastes - Emulsified oils - Petroleum distillates - Other specified inorganics - Aromatic solvents - Paint/pigment/coating residues - Pathological wastes
Kanata Research Park Corporation		Environmental Activity and Sector Registry	<ul style="list-style-type: none"> - Registered heating system - Registered standby power system
Enablence Technologies Inc.		Scott's Manufacturing Directory	<p>Manufactures:</p> <ul style="list-style-type: none"> - Communication and energy wire and cable
Liston Animal Hospital		Ontario Regulation 347 Waste Generators Summary	<p>Wastes listed:</p> <ul style="list-style-type: none"> - Pathological wastes
EmbroidMe Inc.	4055 Carling Avenue – 180 metres east	Scott's Manufacturing Directory	<p>Listed as:</p> <ul style="list-style-type: none"> - All other wholesaler-distributors - Stationery and office supplies wholesaler-distributors - Commercial screen printing - Other printing - All other textile product mills
Ontario Hydro	Lot 7, Concession 3 – Likely location at transformer station located 400 metres west	Certificates of Approval	<ul style="list-style-type: none"> - Approval for industrial wastewater for spill containment for transformers T1 & T2

4.2.2 City Directories

A review of the city directories from 1992 to 2010 was completed for the subject property (401 March Road), 329, 360, 365 and 413 March Road, 28, 44 and 62 Steacie Drive, and 4048 Carling Avenue, Ottawa, Ontario. A copy of the City Directory records is provided in Appendix D. All records were reviewed and the relevant highlights are provided in the following table:

Address	Distance from Subject Property	Description
365 March Road	35 metres south	1992 to 1994/95 – Spar Aerospace 2004/05 – Cisco Systems 2010 – Innovapost
413 March Road	80 metres northwest	1992 to 2010 – Theratronics Int'l / Best Theratronics
28 Steacie Drive	200 metres south	1992 to 1999/2000 – Control Microsystems 2004/05 – Kids R Unique
44 Steacie Drive	165 metres south	1992 to 1994/95 – Advanced Circuit Systems 1999/2000 – Reltek Inc.
62 Steacie Drive	90 metres south	1992 to 2004/05 – Optotek Ltd. 2010 – Elliptic Semiconductor and Golder Associates

4.2.3 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) was contacted on August 29, 2013 to request available records regarding the subject property (401 March Road), 329, 360, 365, 390, 400 and 413 March Road and 28, 44 and 62 Steacie Drive in Ottawa, Ontario. The TSSA response indicated that they have no records in their database for any fuel storage tanks at the addresses searched. A copy of the search request and the response from the TSSA are provided in Appendix E.

4.2.4 City of Ottawa - Freedom of Information Request

The City of Ottawa was contacted to provide information from the Planning, Transit and the Environment Departments and from the Historical Land Use Inventory (HLUI). A copy of the response from the City of Ottawa is provided in Appendix F. Based on a review of the HLUI information, the selected activities identified as being associated with potential environmental concerns are listed in the following table:

Company Name	Location	Facility Type	Approximate Years of Operation (Listed)
Theratronics International Limited	413 March Road – 80 metres northwest	Machine Shop Industry	1994 to 2000
MDS Nordion		Machine Shop Industry	2000
DRS Technologies Canada Company	365 March Road – 35 metres south	Communication and Other Electronic Equipment Industries	1986-1998 (Spar Aerospace Ltd.) 2000

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Selected aerial photographs were examined as part of this Phase One ESA. Copies of the aerial photographs are provided in Appendix G.

Aerial photographs were obtained at approximately ten (10) year intervals and were selected based on suitable scales for analysis and for historical land uses of the subject property. The earliest aerial photograph obtained was in 1934. Observations made with respect to the selected aerial photographs are discussed below:

Plate Number	Date	Air Photograph Number	Observations
G1	1934	A4698-33	<ul style="list-style-type: none"> The subject property is undeveloped agricultural land; Surrounding land uses are agricultural; A railway is visible adjacent to the south of the subject property.
G2	1946	A10321-9	<ul style="list-style-type: none"> No significant changes are visible compared to the 1934 aerial photograph.
G3	1958	A16940-65	<ul style="list-style-type: none"> Rural residential properties have been developed east of the subject property.
G4	1967	A20310-74	<ul style="list-style-type: none"> An industrial property has been developed north of the subject property; Residential development has occurred south of the subject property.

Plate Number	Date	Air Photograph Number	Observations
G5	1976	A24332-46	<ul style="list-style-type: none">• Commercial and/or industrial development has occurred to the south and east of the subject property;• Additional residential development has occurred south of the subject property;• A transformer station is visible west of the subject property.
G6	1991	geoOttawa	<ul style="list-style-type: none">• Additional commercial and/or industrial development has occurred surrounding the subject property.
G7	2004	A28523-69	<ul style="list-style-type: none">• No significant changes are visible compared to the 1991 aerial photograph.

Based on the review of selected historical air photographs, the subject property has never been developed. Surrounding commercial and/or industrial development started sometime between 1958 and 1967. The railway located south of the subject property is a potentially contaminating activity and was constructed sometime prior to 1934.

4.3.2 Topography, Hydrology and Geology

A topographic map based on Ontario Base Mapping is provided on the Topographic Map, Figure 3. The subject property has a relatively flat topography and is at an elevation of approximately 84 metres above sea level. Surrounding topography generally slopes gradually downwards to the north.

Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of offshore marine sediments (clay and silt) with a thickness ranging from 10 to 25 metres. The bedrock is mapped as Precambrian quartzite and interlayered paragneiss.

Groundwater flow often reflects topographic features and typically flows toward nearby lakes, rivers and wetland areas. Based on the topography of the area, it is expected that the local shallow groundwater flow is towards the northeast.

4.3.3 Fill Materials

Based on the raised topography of the subject property, it is likely that fill material has been placed. The results of a previous borehole advanced on the subject property also indicates the presence of fill material.

4.3.4 Water Bodies and Areas of Natural Significance

A creek is located approximately 230 metres west of the subject property. No areas of natural significance were identified on the subject property or within the study area.

Conservation Ontario's web mapping site AutoCAMaps.ca, an internet mapping application which includes the Mississippi Valley Conservation Authority (MVCA) was used to identify any provincially significant wetlands (PSWs) or areas of natural or scientific interest (ANSI) on or within the study area. No PSWs or ANSIs were identified within the study area and a copy of the search results is provided in Appendix H.

4.3.5 Well Records

A copy of MOE Well Records for a 400 metre radius from the centre of the subject property is provided in Appendix I. The locations of the adjacent water wells, based on the UTM coordinates provided in the water well records, have been plotted on Figure 3 following the text of this report.

The stratigraphy of the overburden from ground surface to bedrock indicates that the overburden soil surrounding the subject property generally consists of clay over granite.

The average depth to bedrock, based on the water well records, is approximately 17.8 metres below ground surface (m bgs) and the average depth to the water table, based on static water levels is approximately 2.5 m bgs.

The MOE well records identified monitoring wells constructed by Strata Soil Sampling Inc. to the south of the subject property.

4.3.6 Site Operating Records

No site operating records were provided for the subject property.

5.0 INTERVIEWS

An interview was carried out with a person familiar with the subject property. Details of the interview are summarized in the following sections.

5.1 Interview with Property Owner

An interview was carried out by telephone with Mr. Jason Gates, a consultant for Atlific Hotels and Resorts, on August 8, 2013. The following relevant information concerning potentially contaminating activities and areas of potential environmental concern were noted:

- Plans were prepared to develop the subject property as a hotel, which was cancelled in 2001.
- In the fall of 2001 Greely Construction installed a reinforced concrete hydro vault on the property. The conduits were installed but no hydro lines were installed.
- Mr. Gates indicated that Trow completed a Phase I ESA for the property.
- Mr. Gates does not recollect whether any issues have been raised as the site has always been vacant.

5.2 Assessment and Evaluation of Interview

The information provided in the interview is consistent with other information sources in that the subject property has always been vacant.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site reconnaissance was carried out on August 30, 2013 from 8:00 am to 10:00 am. The weather conditions at the time of the site reconnaissance were sunny with a temperature of approximately 24 degrees Celsius.

The primary assessor for this Phase One Environmental Site Assessment, Brett Painter, has completed the Associated Environmental Site Assessors of Canada (AESAC) Phase I Environmental Site Assessment Training Course. He has a formal education which includes a Bachelor of Science with a major in Biology and a Master of Science in Biodiversity Conservation and Management which provides a sound knowledge in areas of environmental contamination concerns to the natural environment. In addition, Brett has been trained in and successfully completed Workplace Hazardous Materials Information System (WHMIS) training and has been performing Phase One and Phase Two ESA's for over two years.

The Phase One ESA was carried out under the supervision of Mr. Craig Houle, M.Eng., P.Eng., a registered Professional Engineer in the Province of Ontario to ensure that the Phase One ESA has been carried out to meet the objectives and requirements of Ontario Regulation 153/04. Mr. Houle is a registered Qualified Person to conduct environmental site assessments and file Record of Site Condition applications.

6.1.1 Site Photographs

Photographs of the subject property were taken during the course of the site reconnaissance to document the general condition of the property and any areas of potential environmental concern. The relevant photographs are presented in Appendix J. A discussion of the photographs is provided in the following table:

Plate Number	Compass Orientation	Description
J1	West	View of south side of subject property along railway.
J2	East	Concrete structure (possible electrical vault) on southeast portion of subject property.
J3	North	Pile of debris on west portion of subject property.
J4	North	View of east side of subject property along March Road.

6.2 Specific Observations at Phase One Property

6.2.1 Onsite Structures

No onsite structures were observed on the subject property.

6.2.2 Observations

The following observations were made for the subject property:

- The subject property is vacant undeveloped grass and tree covered land.
- It appears that fill has been placed across the subject property as it has a raised topography compared to adjacent properties.
- A concrete structure which appears to be a hydro vault was observed on the southeast portion of the subject property.
- A pile of possible construction debris containing concrete, wood, metal and other items was observed on the west portion of the subject property.
- Broken pieces of a concrete slab were observed around the base of a tree on the centre of the subject property.

6.2.3 Site Services

The subject property is not currently serviced. Services are located adjacent to the subject property on the north and east.

6.3 Specific Observations within the Study Area

6.3.1 Services

Natural gas service, and storm and sanitary sewers were observed within the study area. Overhead hydro was observed along surrounding streets and along the railway.

6.3.2 Water Bodies and Areas of Natural Significance

No water bodies or areas of natural significance were identified within the Phase One Environmental Site Assessment study area.

6.3.3 Surrounding Properties

The following general observations were made for the properties surrounding the subject property:

- Surrounding property use to the north is a mix of commercial and industrial.
- To the south surrounding property use is a railway followed by a mix of commercial and industrial.
- The surrounding property use to the east is a roadway followed by a mix of commercial and industrial.
- To the west surrounding property use is a railway and vacant land followed by a hydro transformer station.

6.4 Enhanced Investigation Property

The Phase One ESA property is not an enhanced investigation property, since the available information indicates that the subject property has never been used as a commercial garage, gasoline outlet or dry cleaning facility.

6.5 Written Description of Investigation

The site reconnaissance was carried out on August 30, 2013 by Mr. Brett Painter, M.Sc., of Houle Chevrier Engineering Ltd. The site reconnaissance was carried out to determine if there were environmental concerns with the subject property and/or surrounding property uses.

A detailed written description of the investigation and the results of the site reconnaissance investigation are provided in Sections 6.1 to 6.4.

The following potentially contaminating activities were determined to exist on the subject property:

- It appears that the subject property contains fill material.
- A pile of debris was observed on the west portion of the subject property.

The following potentially contaminating activities were observed adjacent to the subject property:

- A railway is located adjacent to the south of the subject property.
- Neighbouring properties to the north and south appear to be industrial

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Current and past uses of the subject property are documented in the following table:

Year	Owner	Description of Property Use	Other Observations
1831 to 1934	Edward Loggan and others	Unknown	No aerial photographs were available prior to 1934.
1934 to 2013	1443626 Ontario Inc., March Road Hotel Partnerships and others	Vacant	Based on the 1934 to 2004 aerial photographs the subject property has never been developed.

7.2 Potentially Contaminating Activities

The following potentially contaminating activities (PCA) were identified during the site reconnaissance and through the review of the historical information for the subject property:

- Information for a borehole located on the subject property in the ERIS report and the site reconnaissance identified fill material of unknown origin to exist on the subject property.
- A pile of debris was observed on the east portion of the subject property.

Potentially contaminating activities within the Phase One ESA study area and the likelihood for creating an area of potential environmental concern (APEC) on the subject property are as follows:

PCA	Description	Likelihood of creating APEC	Reasoning
Railway	The site reconnaissance and aerial photographs identified a railway adjacent to the south of the subject property	High	Based on the railway being adjacent to the subject property.
Raw sewage spill on Carling Avenue	A raw sewage spill to the ditch in 1991	Low	Environmental review was listed as not anticipated and it did not occur on the subject property.
Freon to air at March Road and Carling Avenue	124 Kg of Freon was released to the air due to equipment failure	Low	Based on the Freon being released to the air.
Waste generation and manufacturing at 365 March Road	Multiple wastes generated and manufacturer of guided missile and space vehicle parts including propulsion	Medium	Based on proximity to subject property (35m south) and monitoring wells identified.

PCA	Description	Likelihood of creating APEC	Reasoning
Waste generator at 356 March Road	Generation of inorganic sludges, slurries or solids	Low	Based on distance to subject property (90m east) and listing of a single waste
Registered heating and standby power system at 390 March Road	The ERIS report identified a heating system and standby power system. Possible fuel sources would be natural gas or diesel / fuel oil	Low	Based on distance to subject property (150m northeast)
Waste generation and manufacturing at 62 Steacie Drive	Multiple wastes generated including halogenated solvents	Medium	Based on proximity to subject property (90m south) and likely groundwater flow direction towards subject property
Waste generation, pollutant release and manufacturing at 413 March Road	Multiple wastes generated including halogenated solvents. Release of lead from 2008 to 2011, and manufacturing of medical devices.	Medium	Based on proximity to subject property (80m northwest)
Waste generation and manufacturing at 48 Steacie Drive	Multiple wastes generated including halogenated solvents. Manufacturer of various electronic equipment.	Low	Based on distance to subject property (165m south).
Manufacturing at 44 Steacie Drive	Manufacturer of various electronics equipment.	Low	Based on distance to subject property (165m south).
Certificates of approval, waste generation and manufacturing at 400 March Road	Emergency diesel generator and gas-fired water heaters and boilers. Multiple wastes generated including halogenated solvents. Manufacturing of communication and energy wire and cable.	Low	Based on distance to subject property (240m north).
Waste generation and manufacturing at 4055 Carling Avenue	Generation of pathological wastes and manufacturing of textiles and printing	Low	Based on distance to subject property (180m east).
Certificate of approval for Ontario Hydro	Approval for industrial wastewater for spill containment for two transformers	Low	Based on likely distance to subject property (400m west).

7.3 Areas of Potential Environmental Concern

The areas of potential environmental concern (APEC) on the subject property are summarized in the following table:

APEC	Location of APEC on Phase One Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1	Across whole subject property	-Fill material	On site	-PHCs ¹ -VOCs ² -Metals ³ -PAHs ³	-Soil
APEC 2	West portion of subject property	-Debris	On site	-Metals	-Soil
APEC 3	South portion of subject property	-Railway -Waste generation -Electronic, computer and vehicle manufacturing	Adjacent to south of subject	-PAHs -Metals -VOCs -PHCs	-Soil -Shallow groundwater
APEC 4	North portion of subject property	-Waste generation -Medical devices manufacturing -Pollutant release of lead	North of subject property	-VOCs -PAHs -Metals	-Shallow groundwater

1. PHCs – Petroleum Hydrocarbons
2. VOCs – Volatile Organic Compounds
3. PAHs – Polycyclic aromatic hydrocarbons

The logic and reasoning used to evaluate the available information is that the information was reviewed in a comprehensive manner starting with available historical information, followed by the results of the site reconnaissance and finally the results of the interviews. These three components were evaluated using our professional experience, judgement and available documentation including guidelines to determine potentially contaminating activities. The potentially contaminating activities were then reassessed using our professional experience and judgement in order to identify the areas of potential environmental concern to the subject property. The comprehensive review, application of professional experience and judgement and the results of the factual data constitutes a thorough review of the available information that is sufficient for the purposes of the Phase One ESA.

A summary and description of the determined areas of potential environmental concern and the contaminants of potential concern are provided in the following sections:

7.3.1 APEC 1: Fill Material

The soil across the subject property could be impacted from the presence of fill material from unknown sources. Due to the fill material being an unknown, the contaminants of concern are PHCs, VOCs, PAHs and metals.

7.3.2 APEC 2: Debris

The soil in the area of the debris pile on the western portion of the subject property could be impacted from the debris. The debris pile contained mostly concrete, wood and metal, therefore the contaminants of concern are metals.

7.3.3 APEC 3: Off-Site PCAs to the South

The soil and shallow groundwater in the south portion of the subject property could be impacted from the adjacent railway, waste generators and manufacturers. The contaminants of concern from these sources based on the type of wastes generated, the railway and the electronic manufacturing are PAHs, VOCs, PHCs and metals.

7.3.4 APEC 4: Off-Site PCAs to the North

The shallow groundwater in the north portion of the subject property could be impacted from the adjacent waste generator, manufacturing and pollutant release. The contaminants of concern from these sources based on the type of wastes generated and the medical devices manufacturing are VOCs, PAHs and metals.

7.3.5 Discussion of Uncertainty

There is uncertainty associated with the waste generation and manufacturing at the off-site properties as it is unknown what volumes of waste is generated and the manufacturing process.

7.4 Phase One Conceptual Site Model

The required details of the Phase One Conceptual Site Model are presented on Figure 2 and Figure 3 as noted in the following table:

Conceptual Model Detail	Figure
Existing Buildings and Structures	Study Area Plan, Figure 2
Water Bodies	Topographic Map, Figure 3
Areas of Natural Significance	Not Present within the Phase One Study Area
Drinking Water Wells	Topographic Map, Figure 3
Roads	Study Area Plan, Figure 2
Adjacent Property Use	Study Area Plan, Figure 2
Potentially Contaminating Activities	Study Area Plan, Figure 2
Areas of Potential Environmental Concern	Study Area Plan, Figure 2

A description and assessment of areas where potentially contaminating activities have occurred and the factors that could affect contaminants of concern if any were present are provided in the following sections.

7.4.1 APEC 1: Fill Material

During the site reconnaissance the topography of the subject property appeared to be raised in reference to the surround properties, which indicates that filling has taken place. In addition a borehole record identified on the subject property in the ERIS Report indicated 1.4 metres of fill on the property. The contaminants of concern are PHCs, VOCs, PAHs and metals.

7.4.2 APEC 2: Debris

The site reconnaissance identified a pile of construction debris in the western portion of the subject property. The construction debris contained concrete, wood and metal. The contaminants of concern are metals.

7.4.3 APEC 3: Off-Site PCAs to the South

The historical review and site reconnaissance identified a railway line adjacent to the south of the subject property. Multiple waste generators and manufacturers of electronic, computer and vehicle parts including propulsion systems were identified from 35 to 90 metres south of the subject property. In addition, the MOE well records identified four (4) monitoring wells constructed on the adjacent property to the south. The contaminants of concern are PAHs, VOCs, PHCs and metals.

7.4.4 APEC 4: Off-Site PCAs to the North

The ERIS report identified a waste generator, medical devices manufacturer and lead pollutant releases at the property adjacent to the north of the subject property. The closest point of the building which appears to be the location of the factory and/or warehouse is located approximately 80 metres northwest of the subject property. The contaminants of concern are VOCs, PAHs and metals.

7.4.5 Underground Utilities

There is potential for underground utilities to affect contaminant transport on or to the subject property, if contaminants are present. Municipal sewer, water and natural gas are located adjacent to the subject property and conduits for hydro have been installed on the subject property. The locations of the underground utilities have not been confirmed as part of the Phase One Environmental Site Assessment.

7.4.6 Geological and Hydrogeological Information

Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of offshore marine sediments (clay and silt) with a thickness ranging from 10 to 25 metres. The bedrock is mapped as Precambrian quartzite and interlayered paragneiss.

The depth to the water table based on the water well records is approximately 2.5 m bgs.

Groundwater flow often reflects topographic features and typically flows toward nearby lakes, rivers and wetland areas. Based on the topography of the area, it is expected that the local shallow groundwater flow is towards the northeast.

7.4.7 Discussion of Uncertainty

There uncertainty with the groundwater flow direction as it is based on the surficial topography of the area, which has likely been changed due to development. The groundwater flow direction may also be altered by underground service trenches.

8.0 CONCLUSIONS

The logic and reasoning used to evaluate the available information is that the information was reviewed in a comprehensive manner starting with available historical information, followed by the results of the site reconnaissance. These two components were evaluated using our professional experience, judgement and available documentation including guidelines to determine potentially contaminating activities. The potentially contaminating activities were then reassessed using our professional experience and judgement in order to identify areas of potential environmental concern to the subject property. Areas of potential environmental concern and potentially contaminating activities were assessed using site specific geological and hydrogeological information, professional experience and judgement to determine the likelihood of contamination to the subject property from the various sources. The comprehensive review, application of professional experience and judgement and the results of the factual data constitutes a thorough review of the available information that is sufficient for the purposes of the Phase One ESA.

The following Areas of Potential Environmental Concern (APECs) were determined through the Phase One ESA to exist for the subject property:

APEC 1: Fill Material

During the site reconnaissance the topography of the subject property appeared to be raised in reference to the surround properties, which indicates that filling has taken place. In addition a borehole record identified on the subject property in the ERIS Report indicated 1.4 metres of fill on the property. The contaminants of concern are PHCs, VOCs, PAHs and metals.

APEC 2: Debris

The site reconnaissance identified a pile of construction debris in the western portion of the subject property. The construction debris contained concrete, wood and metal. The contaminants of concern are metals.

APEC 3: Off-Site PCAs to the South

The historical review and site reconnaissance identified a railway line adjacent to the south of the subject property. Multiple waste generators and manufacturers of electronic, computer and

vehicle parts including propulsion systems were identified from 35 to 90 metres south of the subject property. In addition, the MOE well records identified four (4) monitoring wells constructed on the adjacent property to the south. The contaminants of concern are PAHs, VOCs, PHCs and metals.

APEC 4: Off-Site PCAs to the North

The ERIS report identified a waste generator, medical devices manufacturer and lead pollutant releases at the property adjacent to the north of the subject property. The closest point of the building which appears to be the location of the factory and/or warehouse is located approximately 80 metres northwest of the subject property. The contaminants of concern are VOCs, PAHs and metals.

Based on this information, it is our opinion that a Phase Two Environmental Site Assessment is required for the subject property in order to investigate the APECs on the subject property.

The results of this Phase One ESA should in no way be construed as a warranty that the subject property is free from any and all contaminants other than those noted in this report, nor that all compliance issues have been addressed.

This report was prepared for the exclusive use of Starbank Properties Corporation and is based on data and information collected during the Phase One ESA of the property conducted by Houle Chevrier Engineering Ltd. This report may not be relied upon by any other person or entity without the express written consent of Houle Chevrier Engineering Ltd. and Starbank Properties Corporation. In evaluating this site, Houle Chevrier Engineering Ltd. has relied in good faith on information provided by others. We accept no responsibility for any deficiencies or inaccuracies in this report as a result of omissions, misinterpretations, or fraudulent acts of others.

The assessment of environmental conditions and possible site hazards presented has been made using the available historical and technical data collected and provided by others. The conclusions provided herein represent the best judgement of Houle Chevrier Engineering Ltd. based on current environmental standards. Due to the nature of the investigation and the limited data available, we cannot warrant against undiscovered environmental liabilities.

The scope of the Phase One ESA is sufficient to identify existing and/or potential environmental liabilities that are obvious from visual examination of surface features and from available sources of information. This level of work is a method of risk reduction, not risk elimination. No building materials, water, liquid, gas, products or chemical sampling and/or testing on or in the vicinity of the subject property was carried out as part of this assessment. The Phase One ESA does not include a program of intrusive observation/testing. These activities would be carried out as part of a Phase Two ESA. This environmental assessment included only a cursory overview of the neighbouring land uses from public right of ways and from the subject property and does not constitute a complete assessment of the adjacent sites.

The Phase One Environmental Site Assessment has been carried out by the qualified personnel and reviewed by the undersigned. This Phase One ESA was carried out in accordance with Ontario Regulation 153/04 made under the Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation.

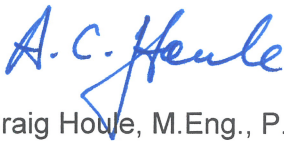
We trust this report satisfies your present requirements. If you have any questions concerning this report, please do not hesitate to contact our office.

Yours truly,

HOULE CHEVRIER ENGINEERING LTD.



Brett Painter, B.Sc., M.Sc.,
Environmental Scientist



Craig Houle, M.Eng., P. Eng.
Principal

9.0 REFERENCES

Geography Network Canada. Ontario Basic Mapping
(<http://www.geographynetwork.ca/website/obm/viewer.htm>). October 2004.

Geological Survey of Canada. Urban Geology of the National Capital Region
(http://gsc.nrcan.gc.ca/urbgeo/natcap/index_e.php). November 5, 2007.

Ontario Ministry of the Environment. Ontario Regulation 153/04, Made under the Environmental Protection Act, Part XV.1 – Records of Site Condition. October 31, 2011.

10.0 APPENDICES

Appendices for the Phase One ESA report are provided following the Figures of the report.

KEY PLAN

FIGURE 1

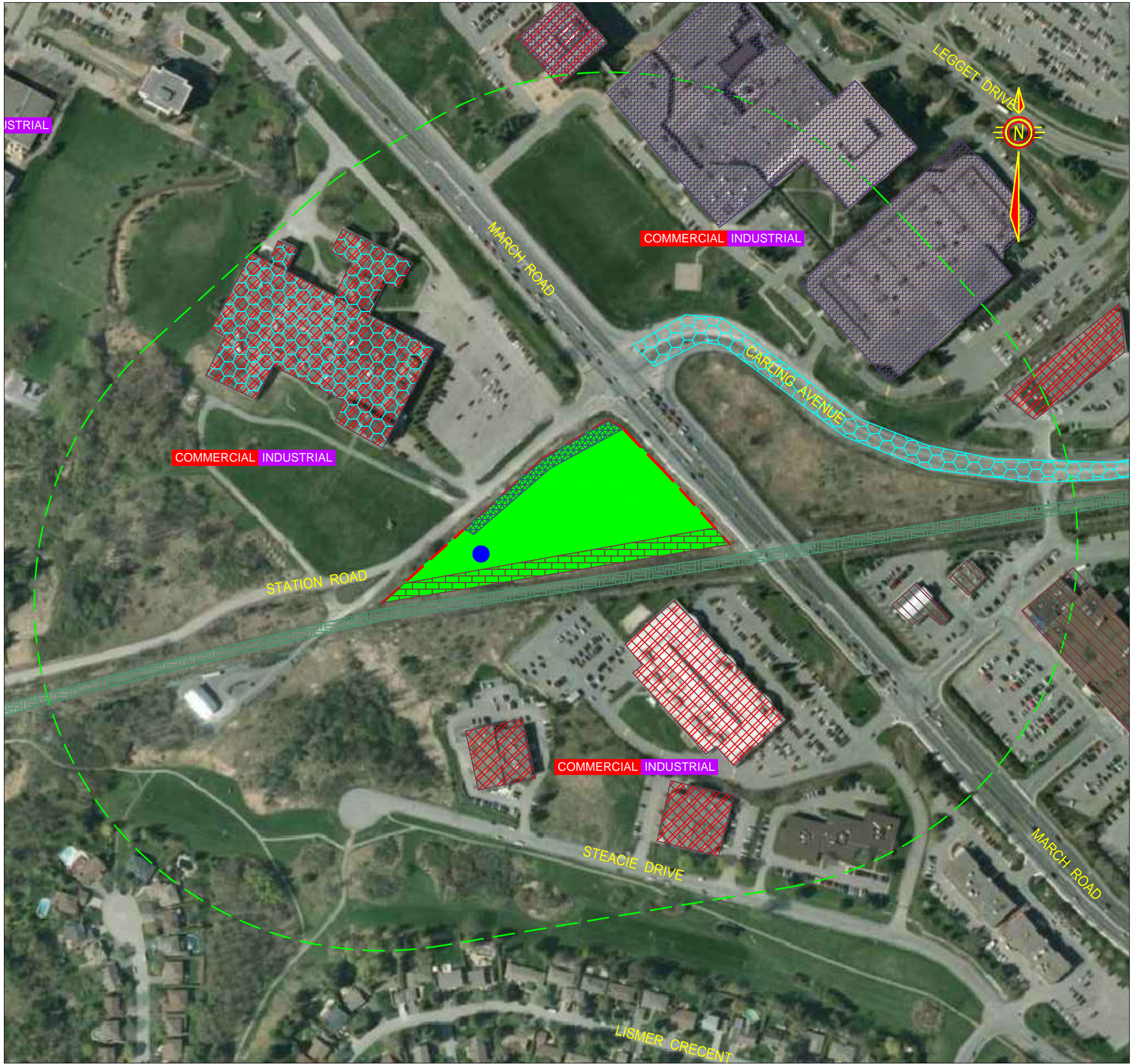


N.T.S





Date: September 2013



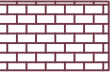
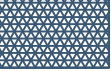
Project: 13-340




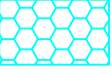
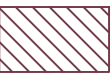


LEGEND:


-  SUBJECT PROPERTY
-  250 METRE OFFSET

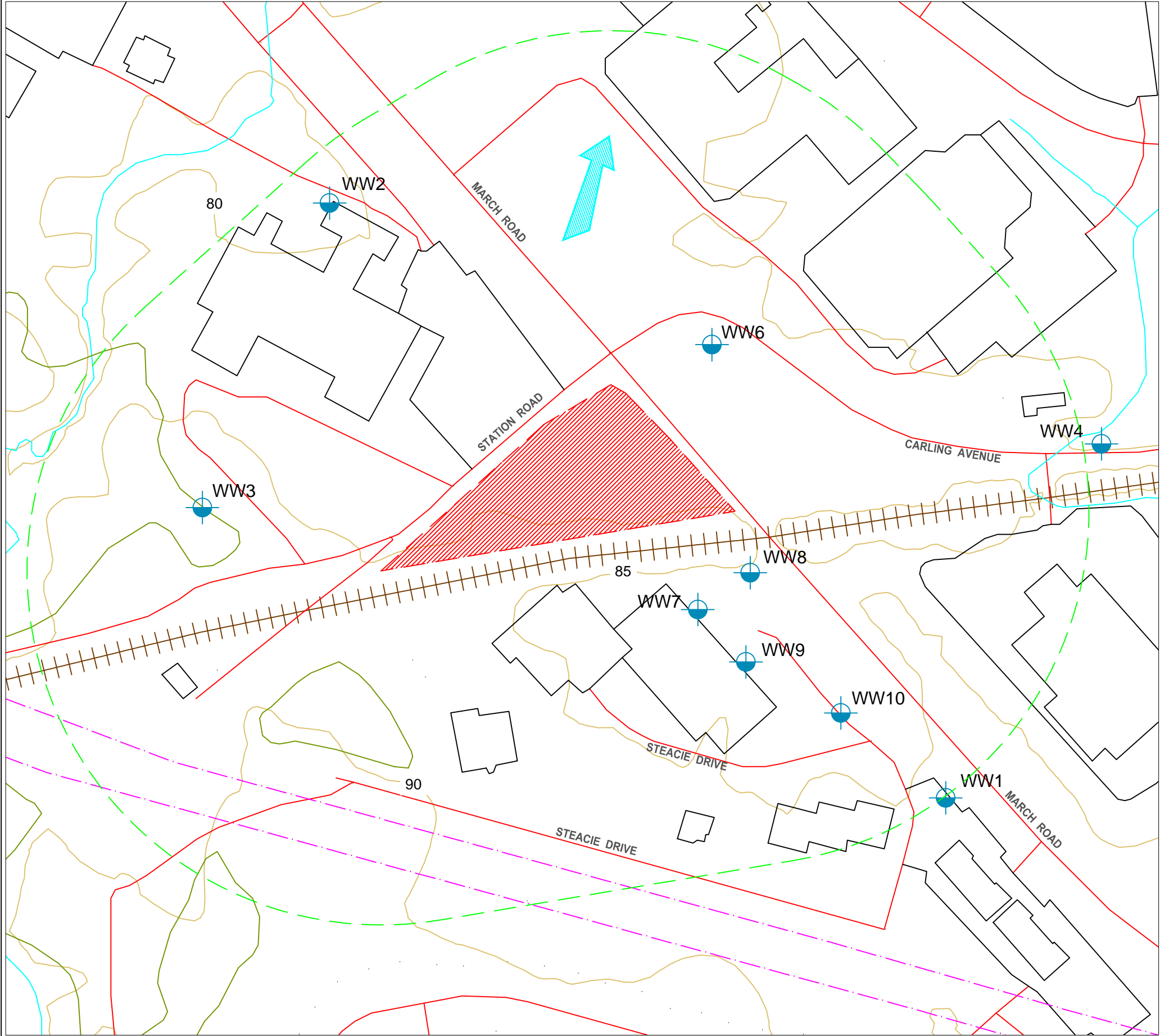
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

-  APEC 1: FILL MATERIAL
-  APEC 2: DEBRIS
-  APEC 3: OFF-SITE PCAs TO THE SOUTH
-  APEC 4: OFF-SITE PCAs TO THE NORTH







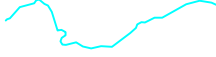


POTENTIALLY CONTAMINATING ACTIVITIES:


-  RAILWAY
-  SPILL/POLLUTANT RELEASE
-  WASTE GENERATOR
-  MANUFACTURING
-  STANDBY POWER GENERATION

Client	STARBANK PROPERTIES CORPORATION	Location	401 MARCH ROAD OTTAWA, ON	Revision	0
Drawn by	B.P.	Approved by	A.C.H	Project No.	13-340
		Title		STUDY AREA PLAN	
		Date	September 2013	FIGURE 2	



LEGEND:

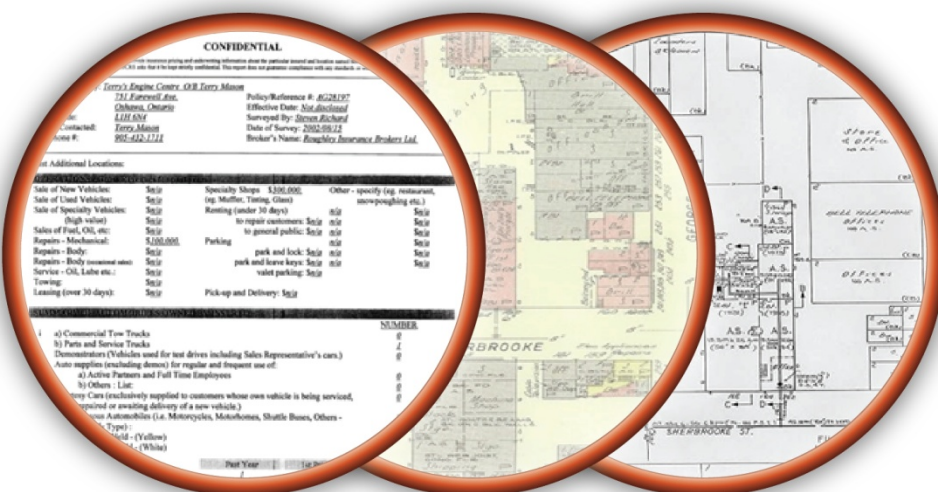
-  WATER WELL LOCATION IN PLAN
-  SUBJECT PROPERTY
-  PHASE ONE ESA STUDY AREA
-  80 CONTOUR LINE WITH ELEVATION IN METRES
-  RAILWAY LINE
-  UTILITY LINE
-  CREEK
-  WATER BODY
-  EXPECTED GROUNDWATER FLOW DIRECTION

Client	STARBANK PROPERTIES CORPORATION	Location	401 MARCH ROAD OTTAWA, ONTARIO	Revision	0
Drawn by	B.P.	Approved by	A.C.H.	Project No.	13-340
		Title TOPOGRAPHIC MAP			
		Date	September 2013	FIGURE 3	

APPENDIX A
FIRE INSURANCE PLANS

HEIRS™

Historical Environmental Information Reporting System



An **SCM** Company

150 Commerce Valley Drive W
8th Floor
Markham, Ontario L3T 7Z3
T: 905-882-6300
www.optaintel.ca

Report Completed By:
Sunita Kapoor

Site Address:
401 March Road
Ottawa, Ontario

Project No:
20130806003

Opta Order ID:

Requested by:
Eleanor Goolab
Ecolog Eris

Date Completed:
August 14, 2013

Opta Environmental Services
Historical Environmental Information Reporting System (HEIRS™)

August 14, 2013

Eleanor Goolab
Ecolog Eris
80 Valleybrook Drive,
Toronto, Ontario. M3B2S9

Dear Eleanor,

Re: **Your Site Address** **401 March Road, Ottawa, Ontario**
 Your Project No.: **20130806003**

As requested, we have searched our records regarding the above site and the following information was found:

Information	Date(s)	Comment	Cost
Research Fee per street address		\$50.00 flat fee per street address.	\$50.00
Fire Insurance Plans	No Record Found	\$100.00 for each Fire Insurance Plan.	
Reports: All Risk/Multi-Risk: Inspection: COPE: Other:	No Record Found	\$55.00 for each Inspection/Survey report	
Site Plan(s)	No Record Found	\$70.00 for each Site plan	
Subtotal			
Minimum order fee of \$155.00			Applicable
2 (two)/4 (four) Day Rush Service			N/A
Total			\$50.00

NRF: No Records Found. NO:50.00 Not Ordered.

The total cost for this report is \$50.00 plus charges (if applicable) and HST. Please see the Terms and Conditions for our search on page two of this report.

Thank you for employing the services of Opta Information Intelligence.

Sunita Kapoor
Opta Environmental Services



150 Commerce Valley Drive W
Markham, Ontario
L3T 7Z3

T: 905.882.6300
Toll Free: 1.800.268.8080
F: 905.695.6543

An SCM Company
www.optaintel.ca

Opta Environmental Services

Historical Environmental Information Reporting System (HEIRS™)

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. 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.

APPENDIX B
ONTARIO LAND REGISTRY
TITLE SEARCH RESULTS

Attn: Brett Painter

①

ENVIRONMENTAL SEARCH					Ref no. 13-340	
INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER		
	Patent	No	Crown	Edward Loggan		
		Date				
R0429	Deed	May 22 1831	Edward Loggan Jr.	Edward Loggan Jr.		
R05641	Deed	May 23 1852	Edward Loggan	John Graham		
M#296	Will	Feb 2 1876	John Graham	William Graham		
M#944	Deed	Feb 28 1890	William Graham	Robert Bon		
M#1856	Deed	Aug 8 1906	Robert Bon	George A. B. Read		
M#1860	Deed	Aug 20 1906	George A. B. Read	George Mellan		
M#2315	Deed	Jan 24 1913	George Mellan	George A. B. Read		

2

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
MH 2443	Deed	Feb 16 1915	George A. B. Reed	Mary J. Jogan
MH 3056	Deed	July 15 1926	Mary J. Jogan	George Blackburn
MH 6123	Deed	Dec 19 1966	George Blackburn	Atomic Energy of Canada Limited
N 332979	Easement	Apr 23 1986	Atomic Energy of Canada Limited	The City of Ottawa (Part)
LT 1094388	Deed	Dec 12 1997	Atomic Energy of Canada Limited	Bulys Holdings Inc.
LT 1354580	Deed	Jan 15 2001	Bulys Holdings Inc.	Mairch Road Limited Partnership
OC 61241	Trans Change	Apr 17 2002	Ornick Road Limited Partnership	1443626 Ontario Inc. (General Partner) Mairch Road Hotel Partnership (partner)
& Legal Description is: Part of Lot 6, Concession 3, being Part 3 on Plan 4R-12138, save & except Parts 14615 on Plan 4R-11329, Geographic Township of March, City of Ottawa. PIN 04518-0051				

Aug 9/13.

3

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

PROPERTY DESCRIPTION: PART OF LOT 6, CONCESSION 3, PART 14 AND 15 ON 4R-11329, KANATA/MARCH, SUBJECT TO AN EASEMENT IN FAVOUR OF THE CORPORATION OF THE CITY OF KANATA ON 1997/02/25 TO 1995/03/20 ON 1997/03/11 BY LAND REGISTRAR.

PROPERTY REMARKS: DATE OF CONVERSION TO LAND TITLES WAS CHANGED FROM 1997/02/25 TO 1995/03/20 ON 1997/03/11 BY LAND REGISTRAR.

ESTATE/QUALIFIER: RECENTLY: DIVISION FROM 04518-0040

IT CONVERSION QUALIFIED: CAPACITY SHARE BENO

OWNERS' NAMES: THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

PIN CREATION DATE: 1997/02/27

City says this is part of our land, but it is not. - See map following

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO
EFFECTIVE	2000/07/29	THE NOTATION OF THE	"BLOCK IMPLEMENTATION DATE" OF 1995/03/20 ON THIS PIN		
WAS REPLACED WITH THE	"PIN CREATION DATE" OF 1997/02/27				
** PRINTOUT	INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 1997/02/25 **				
**SUBJECT,	ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:				
**	SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *				
**	LAND ESCHERATS OR FORFEITURE TO THE CROWN.				
**	THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF				
**	IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY				
**	CONVENTION.				
**	ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.				
**DATE OF CONVERSION TO	LAND TITLES: 1995/03/20 **				
CT127969	1970/11/13	MECHANICS LIEN	\$21,013		
CT130373	1971/01/25	CERTIFICATE			
SR9500	1985/11/29	PLAN REFERENCE			
NI132979	1986/04/23	TRANSFER BASEMENT			
	CORRECTIONS: 'TRANSFEREE' CHANGED FROM 'THE CITY OF KANATA' TO 'THE CORPORATION OF THE CITY OF KANATA' ON 1997/02/27 BY GAIL BOUNSALL.				
SR12138	1988/09/23	PLAN REFERENCE			
4R11329	1995/06/23	PLAN REFERENCE			

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



APPENDIX C
ECOLOG ERIS DATABASE REPORT



REPORT



Project Property: 13-340
401 March Rd
Ottawa ON K2K0E4
Custom-Build Your Own Report

Report Type:

Order #: 20130806003

Date: August 13, 2013

EcoLog ERIS Ltd.
Environmental Risk
Information Service Ltd. (ERIS)
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase 1 Environmental Site Assessment but is solely intended to be used to focus further investigation.

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Executive Summary

Property Information:

Project Property: 13-340
401 March Rd Ottawa ON K2K0E4

Order Information:

Order No.: 20130806003
Date Requested: 14/08/2013
Requested by: Houle Chevrier Engineering
Report Type: Custom-Build Your Own Report

Additional Products:

City Directory Search Subject Site plus 8 Adjacent Properties
Insurance Products Fire Insurance Plans

Executive Summary: Report Summary

Database	Name	Selected	On Site	Boundary to 0.25KM	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	1	35	36
CA	Certificates of Approval	Y	0	3	3
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	6	6
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	6	7
EIS	Environmental Issues Inventory System	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	42	42
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	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 Defence & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0

Database	Name	Selected	On Site	Boundary to 0.25KM	Total
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	4	4
OGW	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	1	1
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	10	10
SPL	Ontario Spills	Y	0	2	2
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	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	9	9
Total:			2	118	120

Executive Summary: Site Report Summary – Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Page Number</i>
1	BORE		ON	13
4	EHS		401 March Road Ottawa ON	13

Executive Summary: Site Report Summary – Surrounding Properties

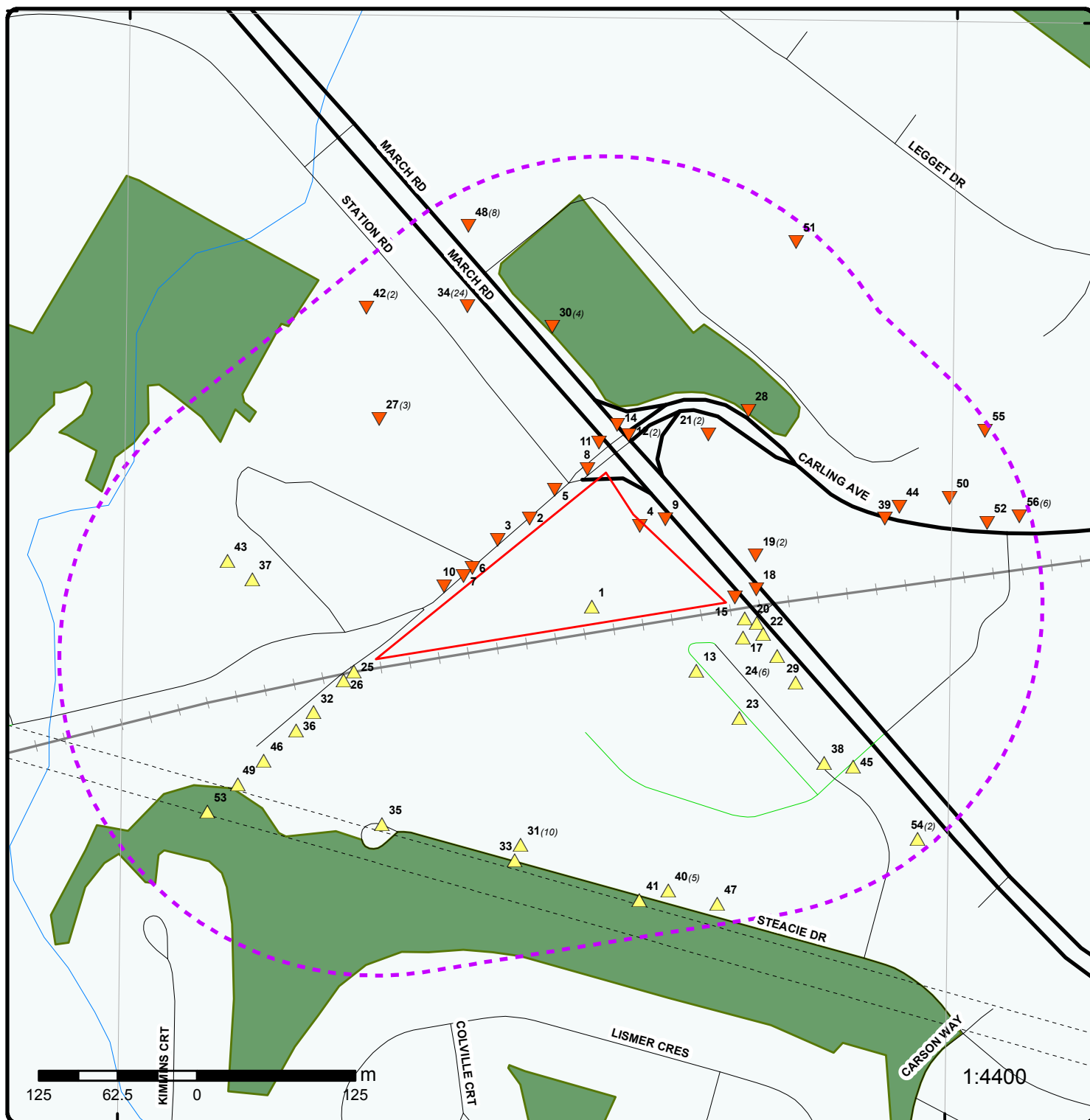
Map Key	DB	Company/Site Name	Address	Page Number
2	BORE		ON	13
3	BORE		ON	14
5	BORE		ON	14
6	BORE		ON	15
7	BORE		ON	15
8	BORE		ON	16
9	BORE		ON	16
10	BORE		ON	17
11	BORE		ON	17
12	SPL	PUC	CARLING AVE -BETWEEN MARCH RD & LAGGETT RD. SANITARY SEWER KANATA CITY ON	18
12	SPL	Loeb Inc.<UNOFFICIAL>	March Road and Carling Avenue Ottawa ON	18
13	WWIS		ON	19
14	BORE		ON	19
15	BORE		ON	20
16	GEN	SPAR (SEE & USE ON2304801) 35-100	SYSTEMS DIV. 385 MARCH ROAD, KANATA C/O P.O. BOX 13050 KANATA ON K2K 1X3	20
16	GEN	SPAR,(SEE & USE ON2304801)	SYSTEMS DIVISION 385 MARCH ROAD KANATA ON	21
17	WWIS		ON	21
18	BORE		ON	22
19	GEN	MORGUARD INVESTMENTS	356 MARCH ROAD KANATA ON K2K 3N5	22
19	GEN	MORGUARD INVESTMENTS	356 MARCH ROAD KANATA ON K2K 3N5	23
20	BORE		ON	23
21	BORE		ON	23
21	WWIS		ON	24

Map Key	DB	Company/Site Name	Address	Page Number
22	BORE		ON	24
23	WWIS		ON	25
24	EHS		365 March Road Ottawa ON	25
24	GEN	SPAR AEROSPACE	DEFENCE SYSTEMS DIVISION 365 MARCH ROAD KANATA ON K2K 3N5	26
24	GEN	DRS TECHNOLOGIES CANADA COMPANY	365 MARCH ROAD KANATA ON K2K 2C9	26
24	GEN	SPAR AEROSPACE LTD.-DEFENCE 35-100	SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O P.O. BOX 13050 KANATA ON K2K 3N5	26
24	GEN	SPAR AEROSPACE LTD.-DEFENCE	SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O 5090 EXPLORER DR., SUITE 900 MISSISSAUGA ON K2K 3N5	27
24	SCT	DRS FLIGHT SAFETY & COMM	365 MARCH RD KANATA ON K2K 3N5	27
25	BORE		ON	28
26	BORE		ON	28
27	NPRI	Best Theratronics Ltd	413 March Rd Ottawa ON K2K 0E4	29
27	NPRI	Best Theratronics Ltd.	413 March Road Ottawa ON K2K0E4	29
27	NPRI	Best Theratronics Ltd	413 March Rd Ottawa ON K2K 0E4	29
28	BORE		ON	30
29	BORE		ON	30
30	EASR	Kanata Research Park Corporation	390 MARCH RD KANATA KANATA ON K2K 0G7	31
30	EASR	Kanata Research Park Corporation	390 MARCH ROAD OTTAWA ON	31
30	EASR	Kanata Research Park Corporation	390 MARCH ROAD OTTAWA ON	31
30	EASR	Kanata Research Park Corporation	390 MARCH ROAD OTTAWA ON	31
31	CA	OPTOTEK LIMITED	62 STEACIE DR. LOT 6 CONC. 3 KANATA CITY ON K2K 2A9	31
31	EHS		62 Steacie Drive n/a ON K2K 2A9	32
31	GEN	AMCA INTERNATIONAL LTD.(OUTOFBUS) 03-096	RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	32
31	GEN	OPTOTEK LIMITED	62 STEACIE DRIVE KANATA ON K2K 2A9	32
31	GEN	AMCA INTERNATIONAL LTD.(OUTOFBUS)	RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	32
31	GEN	OPTOTEK LIMITED 29- 514	62 STEACIE DRIVE KANATA ON K2K 2A9	33
31	GEN	Optotek Ltd	62 Steacie Drive Ottawa ON	33
31	GEN	GOLDER ASSOCIATES LTD.	62 STEACIE DRIVE KANATA ON	33

Map Key	DB	Company/Site Name	Address	Page Number
31	SCT	Elliptic Technologies Inc.	62 Steacie Dr Suite 201 Kanata ON K2K 2A9	34
31	SCT	Optotek Limited	62 Steacie Dr Kanata ON K2K 2A9	34
32	BORE		ON	34
33	BORE		ON	35
34	EHS		413 March Road Ottawa (Kanata) ON K2K 0E4	35
34	EHS		413 March Road Kanata, Ontario ON K2K 0E4	35
34	GEN	MDS NORDION	413 MARCH ROAD KANATA ON K2K 1X8	35
34	GEN	ATOMIC ENERGY (OUT OF BUSINESS)	AECL RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	36
34	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	36
34	GEN	ATOMIC (SEE & USE ON1038900)	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	37
34	GEN	ATOMIC ENERGY OF CANADA LIMITED	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	38
34	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	38
34	GEN	ATOMIC ENERGY (SEE & USE ON1038900)	413 MARCH ROAD KANATA ON K2K 2B7	39
34	GEN	THERATRONICS INTERNATIONAL LIMITED	413 MARCH ROAD KANATA ON K2K 2B7	39
34	GEN	ATOMIC ENERGY (OUT OF BUSINESS) 03-242	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	40
34	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	40
34	GEN	THERATR(SEE & USE ON1141701)	413 MARCH ROAD KANATA ON K2K 2B7	41
34	GEN	THERATRONICS INTERNATIONAL LIMITED	413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	42
34	GEN	ATOMIC ENERGY (OUT OF BUSINESS)	RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	42
34	GEN	ATOMIC ENERGY OF CANADA LTD.	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	43
34	GEN	THERATRONICS INTERNATIONAL LIMITED37-441	413 MARCH ROAD KANATA ON K2K 2B7	44
34	GEN	ATOMIC (SEE & USE ON1038900) 03-128	MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	44
34	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	45
34	GEN	Best Theratronics Ltd.	413 March Road Kanata ON K2K 0E4	45
34	NPRI	Best Theratronics Ltd.	413 March Road Ottawa ON K2K0E4	46
34	SCT	Best Medical Canada, Ltd.	413 March Rd Ottawa ON K2K 0E4	46
34	SCT	THERATRONICS INTERNATIONAL LTD	413 MARCH RD KANATA ON K2K	47

Map Key	DB	Company/Site Name	Address	Page Number
34	SCT	Best Medical Canada, Ltd.	413 March Rd Kanata ON K2K 0E4	47
35	BORE		ON	47
36	BORE		ON	48
37	WWIS		ON	48
38	WWIS		ON	49
39	BORE		ON	49
40	GEN	CONTROL MICROSYSTEMS INC.	48 Steacie Drive Kanata ON K2K 2A9	50
40	GEN	CONTROL MICROSYSTEMS INC.	48 Steacie Drive Kanata ON K2K 2A9	50
40	GEN	CONTROL MICROSYSTEMS INC.	48 Steacie Drive Kanata ON K2K 2A9	50
40	PAP	Control Microsystems	48 Steacie Dr Kanata ON K2K 2A9	51
40	SCT	Control Microsystems Inc.	48 Steacie Dr Kanata ON K2K 2A9	51
41	BORE		ON	52
42	BORE		ON	52
42	WWIS		ON	53
43	BORE		ON	53
44	BORE		ON	54
45	BORE		ON	55
46	BORE		ON	55
47	SCT	RELTEK INC	44 STEACIE DR KANATA ON K2K 2A9	56
48	CA	Zarlink Phase 5	400 March Road Kanata ON K2K 3H4	56
48	CA		400 March Road Kanata ON K2K 3H4	56
48	EASR	Kanata Research Park Corporation	400 MARCH ROAD OTTAWA ON	57
48	EASR	Kanata Research Park Corporation	400 MARCH ROAD OTTAWA ON	57
48	EHS		400 March Road Ottawa ON	57
48	GEN	ZARLINK SEMICONDUCTOR INC.	400 March Rd. KANATA ON K2K 3H4	57
48	GEN	ZARLINK SEMICONDUCTOR INC.	400 March Rd. KANATA ON K2K 3H4	58
48	SCT	Enablence Technologies Inc.	400 March Rd Kanata ON K2K 3H4	59

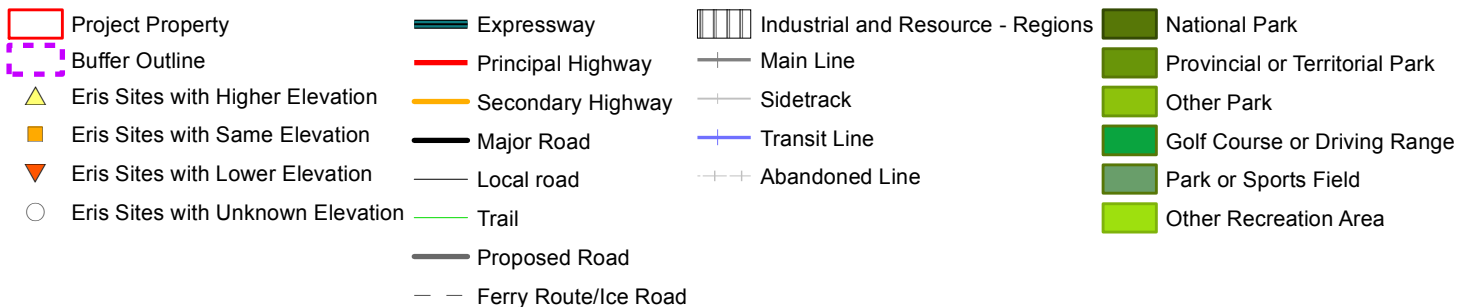
Map Key	DB	Company/Site Name	Address	Page Number
49	BORE		ON	59
50	BORE		ON	60
51	EHS		340 Legget Drive Ottawa ON	60
52	WWIS		ON	60
53	BORE		ON	61
54	BORE		ON	61
54	WWIS		ON	62
55	BORE		ON	62
56	GEN	LISTON ANIMAL HOSPITAL	4055 CARLING AVE. UNIT 5 KANATA ON K2K 2A4	63
56	GEN	LISTON ANIMAL HOSPITAL	4055 CARLING AVE. UNIT 5 KANATA ON K2K 2A4	63
56	GEN	LISTON ANIMAL HOSPITAL	4055 CARLING AVE. UNIT 5 KANATA ON	63
56	GEN	LISTON ANIMAL HOSPITAL	4055 CARLING AVE. UNIT 5 KANATA ON	63
56	GEN	LISTON ANIMAL HOSPITAL	4055 CARLING AVE. UNIT 5 KANATA ON	63
56	SCT	EmbroidMe Inc.	4055 Carling Ave Unit 4 Kanata ON K2K 2A4	64



Map

Order No: 20130806003

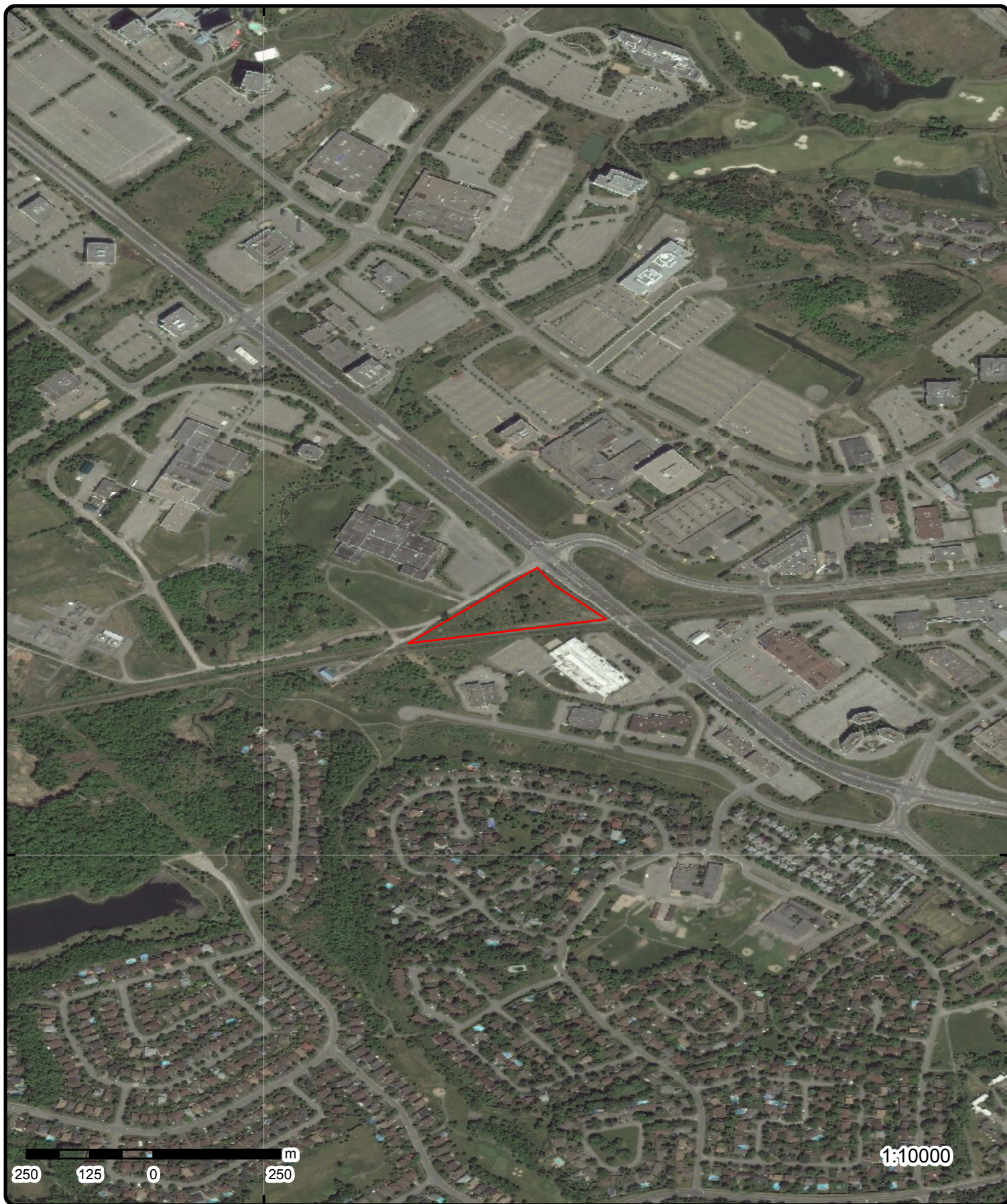
Address: 401 March Rd, Ottawa, ON, K2K0E4



75°55'W

45°20'N

45°20'N



Aerial

Order No: 20130806003

Address: 401 March Rd, Ottawa, ON, K2K0E4

Source: ESRI World Imagery, Updated December 2012

© Ecolog ERIS Ltd

Detail Report

Map Key	Number of Records	Elevation m	Site	DB
1	1 of 1	85.0	ON	BORE
<div> <div> Borehole ID: 803715 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 428548.583 Location Accuracy: Elev. Reliability Note: Total Depth m: 10.700000 Township: Lot: Completion Date: 1984-MAY-30 Primary Water Use: Location Description: </div> <div> Type: Borehole Status: UTM Zone: 18 Northing: 5020845.488 Orig. Ground Elev m: 83.199997 DEM Ground Elev m: 86.699997 Primary Name: BH 10 Concession: Municipality: Static Water Level: 3.800000 Sec. Water Use: </div> </div>				
--- Details ---				
<div> <div> Stratum ID: 218577627 Bottom Depth m: 1.400000 </div> <div> Top Depth m: 0 Stratum Desc: Grey-Brown Fill-Misc Silty Clay Trace: Org M </div> </div>				
+				
<div> <div> Stratum ID: 218577628 Bottom Depth m: 1.700000 </div> <div> Top Depth m: 1.400000 Stratum Desc: Topsoil </div> </div>				
+				
<div> <div> Stratum ID: 218577629 Bottom Depth m: 4.900000 </div> <div> Top Depth m: 1.700000 Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay </div> </div>				
+				
<div> <div> Stratum ID: 218577630 Bottom Depth m: 10.700000 </div> <div> Top Depth m: 4.900000 Stratum Desc: Grey Firm Silty Clay </div> </div>				
4	1 of 1	84.0	401 March Road Ottawa ON	EHS
<div> Order No.: 20071112022 Report Date: 11/16/2007 Report Type: CAN - Complete Report Search Radius (km): 0.25 Addit. Info Ordered: Fire Insur. Maps And /or Site Plans </div>				
2	1 of 1	84.0	ON	BORE
<div> <div> Borehole ID: 805742 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 428499.827 Location Accuracy: Elev. Reliability Note: Total Depth m: 15.200000 </div> <div> Type: Borehole Status: UTM Zone: 18 Northing: 5020915.390 Orig. Ground Elev m: DEM Ground Elev m: 82.199997 Primary Name: 3 </div> </div>				

Map Key	Number of Records	Elevation m	Site	DB
Township: Lot: Completion Date: 1987-MAY-7 Primary Water Use: Location Description:			Concession: Municipality: Static Water Level: Sec. Water Use:	
--- Details ---				
Stratum ID:	218585986	Top Depth m:	0	
Bottom Depth m:	0.100000	Stratum Desc:	Grey Crushed Stone	
+				
Stratum ID:	218585987	Top Depth m:	0.100000	
Bottom Depth m:	0.600000	Stratum Desc:	Brown Sand - Gravel	
+				
Stratum ID:	218585988	Top Depth m:	0.600000	
Bottom Depth m:	1.200000	Stratum Desc:	Grey-Brown Silty Clay With: Gr	
+				
Stratum ID:	218585989	Top Depth m:	1.200000	
Bottom Depth m:	1.500000	Stratum Desc:	Grey-Brown Silty Clay	
3	1 of 1	84.0	ON	BORE
Borehole ID: 805743 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 428474.481 Location Accuracy: Elev. Reliability Note: Total Depth m: 15.200000 Township: Lot: Completion Date: 1987-MAY-7 Primary Water Use: Location Description:			Type: Borehole Status: UTM Zone: 18 Northing: 5020898.364 Orig. Ground Elev m: DEM Ground Elev m: 82.300003 Primary Name: 4 Concession: Municipality: Static Water Level: Sec. Water Use:	
--- Details ---				
Stratum ID:	218585990	Top Depth m:	0	
Bottom Depth m:	0.100000	Stratum Desc:	Grey Crushed Stone	
+				
Stratum ID:	218585991	Top Depth m:	0.100000	
Bottom Depth m:	0.600000	Stratum Desc:	Brown Sand - Gravel	
+				
Stratum ID:	218585992	Top Depth m:	0.600000	
Bottom Depth m:	1.500000	Stratum Desc:	Grey-Brown Silty Clay Trace: Gr Tr Org M	
5	1 of 1	83.7	ON	BORE
Borehole ID: 805741 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 428519.631 Location Accuracy: Elev. Reliability Note: Total Depth m: 15.200000			Type: Borehole Status: UTM Zone: 18 Northing: 5020938.519 Orig. Ground Elev m: DEM Ground Elev m: 82.099998 Primary Name: 2	

Map Key	Number of Records	Elevation m	Site	DB
Township: Lot: Completion Date: 1987-MAY-7 Primary Water Use: Location Description:			Concession: Municipality: Static Water Level: Sec. Water Use:	
--- Details ---				
Stratum ID:	218585983		Top Depth m:	0
Bottom Depth m:	0.200000		Stratum Desc:	Grey Crushed Stone
+				
Stratum ID:	218585984		Top Depth m:	0.200000
Bottom Depth m:	1		Stratum Desc:	Brown Sand - Gravel Occasional: Cob
+				
Stratum ID:	218585985		Top Depth m:	1
Bottom Depth m:	1.500000		Stratum Desc:	Grey-Brown Silty Clay Trace: Gr Tr Org M

6	1 of 1	84.0	ON	<u>BORE</u>
Borehole ID:		805746	Type:	Borehole
Use:		Geotechnical/Geological Investigation	Status:	
Drill Method:		Hollow stem auger	UTM Zone:	18
Easting:		428454.352	Northing:	5020876.241
Location Accuracy:			Orig. Ground Elev m:	
Elev. Reliability Note:			DEM Ground Elev m:	82.599998
Total Depth m:		11.800000	Primary Name:	5
Township:			Concession:	
Lot:			Municipality:	
Completion Date:		1987-MAY-7	Static Water Level:	
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218586001	Top Depth m:	0	
Bottom Depth m:	0.200000	Stratum Desc:	Grey Crushed Stone	
+				
Stratum ID:	218586002	Top Depth m:	0.200000	
Bottom Depth m:	0.400000	Stratum Desc:	Brown Sand - Gravel	
+				
Stratum ID:	218586003	Top Depth m:	0.400000	
Bottom Depth m:	0.900000	Stratum Desc:	Grey-Brown Silty Clay With: Gr	
+				
Stratum ID:	218586004	Top Depth m:	0.900000	
Bottom Depth m:	1.200000	Stratum Desc:	Brown Silt - Sand With: Gr	

7	1 of 1	84.0	ON	<u>BORE</u>
Borehole ID:		803679	Type:	Borehole
Use:		Geotechnical/Geological Investigation	Status:	
Drill Method:		Hollow stem auger	UTM Zone:	18
Easting:		428447.453	Northing:	5020869.870
Location Accuracy:			Orig. Ground Elev m:	82.599998
Elev. Reliability Note:			DEM Ground Elev m:	82.800003
Total Depth m:		9.400000	Primary Name:	BH 7

Map Key	Number of Records	Elevation m	Site	DB
Township: Lot: Completion Date: 1984-MAY-31 Primary Water Use: Location Description:			Concession: Municipality: Static Water Level: 1 Sec. Water Use:	
--- Details ---				
Stratum ID:	218577465		Top Depth m:	0.700000
Bottom Depth m:	4		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218577466		Top Depth m:	4
Bottom Depth m:	9.400000		Stratum Desc:	Grey Firm Silty Clay
+				
Stratum ID:	218577463		Top Depth m:	0
Bottom Depth m:	0.400000		Stratum Desc:	Brown Fill-Misc Sand - Gravel
+				
Stratum ID:	218577464		Top Depth m:	0.400000
Bottom Depth m:	0.700000		Stratum Desc:	Topsoil

8 **1 of 1** **83.1** **ON** **BORE**

Borehole ID:	805739	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Hollow stem auger	UTM Zone:	18
Easting:	428545.302	Northing:	5020954.540
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	82.599998
Total Depth m:	15.200000	Primary Name:	1
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	1987-MAY-7	Static Water Level:	
Primary Water Use:		Sec. Water Use:	
Location Description:			
--- Details ---			
Stratum ID:	218585977	Top Depth m:	0
Bottom Depth m:	0.200000	Stratum Desc:	Grey Crushed Stone
+			
Stratum ID:	218585978	Top Depth m:	0.200000
Bottom Depth m:	0.600000	Stratum Desc:	Brown Sand - Gravel
+			
Stratum ID:	218585979	Top Depth m:	0.600000
Bottom Depth m:	1.500000	Stratum Desc:	Grey-Brown Silty Clay Trace: Gr Tr Org M

9 **1 of 1** **83.4** **ON** **BORE**

Borehole ID:	803487	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Hollow stem auger	UTM Zone:	18
Easting:	428606.871	Northing:	5020914.897
Location Accuracy:		Orig. Ground Elev m:	82.199997
Elev. Reliability Note:		DEM Ground Elev m:	83.199997

Map Key	Number of Records	Elevation m	Site	DB
Total Depth m:	7.300000		Primary Name:	BH 21
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1984-JUN-22		Static Water Level:	1.100000
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218576668		Top Depth m:	4.400000
Bottom Depth m:	7.300000		Stratum Desc:	Grey Firm to Stiff Silty Clay
+				
Stratum ID:	218576665		Top Depth m:	0
Bottom Depth m:	0.600000		Stratum Desc:	Brown Fill-Misc sand silt Trace: Cl Tr Gr
+				
Stratum ID:	218576666		Top Depth m:	0.600000
Bottom Depth m:	0.800000		Stratum Desc:	Topsoil
+				
Stratum ID:	218576667		Top Depth m:	0.800000
Bottom Depth m:	4.400000		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay

10 1 of 1 84.1 ON BORE

Borehole ID:	805747	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Hollow stem auger	UTM Zone:	18
Easting:	428432.029	Northing:	5020862.158
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	83.099998
Total Depth m:	15.200000	Primary Name:	6
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	1987-MAY-7	Static Water Level:	
Primary Water Use:		Sec. Water Use:	
Location Description:			
--- Details ---			
Stratum ID:	218586007	Top Depth m:	1.200000
Bottom Depth m:	1.500000	Stratum Desc:	Grey-Brown Silty Clay With: Gr
+			
Stratum ID:	218586005	Top Depth m:	0
Bottom Depth m:	0.800000	Stratum Desc:	Grey Crushed Stone
+			
Stratum ID:	218586006	Top Depth m:	0.800000
Bottom Depth m:	1.200000	Stratum Desc:	Brown Sand - Gravel Occasional: Cob

11 1 of 1 83.0 ON BORE

Borehole ID:	803676	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Hollow stem auger	UTM Zone:	18
Easting:	428554.439	Northing:	5020975.368
Location Accuracy:		Orig. Ground Elev m:	82.800003
Elev. Reliability Note:		DEM Ground Elev m:	83

Map Key	Number of Records	Elevation m	Site	DB
Total Depth m:	9.800000		Primary Name:	BH 6
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1984-JUN-22		Static Water Level:	2.300000
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218577449		Top Depth m:	0
Bottom Depth m:	0.200000		Stratum Desc:	Fill-Misc crushed gravel
+				
Stratum ID:	218577450		Top Depth m:	0.200000
Bottom Depth m:	0.400000		Stratum Desc:	Grey-Brown Fill-Misc Silty Clay
+				
Stratum ID:	218577451		Top Depth m:	0.400000
Bottom Depth m:	1.300000		Stratum Desc:	Brown Fill-Misc Sand
+				
Stratum ID:	218577452		Top Depth m:	1.300000
Bottom Depth m:	1.700000		Stratum Desc:	Dark Brown Silty Clay With: Org M
+				
Stratum ID:	218577453		Top Depth m:	1.700000
Bottom Depth m:	5.200000		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218577454		Top Depth m:	5.200000
Bottom Depth m:	8.900000		Stratum Desc:	Grey Firm to Stiff Silty Clay
+				
Stratum ID:	218577455		Top Depth m:	8.900000
Bottom Depth m:	9.800000		Stratum Desc:	Grey Loose to Compact Till Silt - Sand With: Cl W Gr

12	1 of 2	82.0	PUC CARLING AVE -BETWEEN MARCH RD & LAGGETT RD. SANITARY SEWER KANATA CITY ON	SPL
Ref No.:	58663			
Incident Dt:	10/16/1991			
MOE Reported Dt:	10/16/1991			
Contaminant Name:				
Contaminant Quantity:				
Incident Summary:	CURB CONSTRUC.-RAW SEWAGEFROM BLOCKED SANITARY SEWER INTO STORM DITCH.			
Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE			
Incident Reason:	OTHER			
Nature of Impact:	Surface Water Pollution			
Receiving Medium:	LAND / WATER			
Environmental Impact:	NOT ANTICIPATED			

12	2 of 2	82.0	Loeb Inc.<UNOFFICIAL> March Road and Carling Avenue Ottawa ON	SPL
Ref No.:	8310-73BS4T			
Incident Dt:				
MOE Reported Dt:	5/18/2007			

Map Key	Number of Records	Elevation m	Site	DB
Contaminant Name:		FREON R-404A (CFC)		
Contaminant Quantity:		163 kg		
Incident Summary:		Loeb, 163 kg R404A to atm.		
Incident Cause:		Discharge or Emission to Air		
Incident Reason:		Equipment Failure		
Nature of Impact:		Air Pollution		
Receiving Medium:		Air		
Environmental Impact:		Not Anticipated		
13	1 of 1	85.0	ON	WWIS
Well Id:		7155871	Lot:	
Concession:			Concession Name:	
County:		OTTAWA-CARLETON	Municipality:	
Easting Nad83:		428631	Northing Nad83:	
Zone:		18	Utm Reliability:	
Primary Water Use:		Test Hole	Construction Date:	
Sec. Water Use:		Monitoring	Well Depth:	
Pump Rate:			Static Water Level:	
Flow Rate:			Clear/Cloudy:	
Specific Capacity:			Final Well Status:	
Construction Method:		Other Method	Flowing (y/n):	
Elevation (m):			Elevation Reliability:	
Depth to Bedrock:			Overburden/Bedrock:	
Water Type:			Casing Material:	
--- Details ---				
Thickness:		.61 m	Original Depth:	
Material Colour:		BROWN	Material:	
+				
Thickness:		3.05 m	Original Depth:	
Material Colour:		BROWN	Material:	
+				
Thickness:		6.7 m	Original Depth:	
Material Colour:		GREY	Material:	
14	1 of 1	82.3	ON	BORE
Borehole ID:		803674	Type:	
Use:		Geotechnical/Geological Investigation	Status:	
Drill Method:		Hollow stem auger	UTM Zone:	
Easting:		428568.859	Northing:	
Location Accuracy:			Orig. Ground Elev m:	
Elev. Reliability Note:			DEM Ground Elev m:	
Total Depth m:		9.800000	Primary Name:	
Township:			Concession:	
Lot:			Municipality:	
Completion Date:		1984-JUN-19	Static Water Level:	
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:		218577439	Top Depth m:	
Bottom Depth m:		0.400000	Stratum Desc:	
+				

Map Key	Number of Records	Elevation m	Site	DB
Stratum ID:	218577440		Top Depth m:	0.400000
Bottom Depth m:	1.500000		Stratum Desc:	Brown Compact Fill-Misc Sand - Gravel
+				
Stratum ID:	218577441		Top Depth m:	1.500000
Bottom Depth m:	5.300000		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218577442		Top Depth m:	5.300000
Bottom Depth m:	7.200000		Stratum Desc:	Grey Firm Silty Clay
+				
Stratum ID:	218577443		Top Depth m:	7.200000
Bottom Depth m:	9.800000		Stratum Desc:	Grey Very Loose to Compact Till Silt - Sand With: Gr Trace: Cl Occasional: Cob
15	1 of 1	84.0	ON	BORE
Borehole ID:	803718		Type:	Borehole
Use:	Geotechnical/Geological Investigation		Status:	
Drill Method:	Hollow stem auger		UTM Zone:	18
Easting:	428661.711		Northing:	5020852.881
Location Accuracy:			Orig. Ground Elev m:	83
Elev. Reliability Note:			DEM Ground Elev m:	86.199997
Total Depth m:	10.400000		Primary Name:	BH 11
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1984-JUN-22		Static Water Level:	2.400000
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218577640		Top Depth m:	0
Bottom Depth m:	1.200000		Stratum Desc:	Brown Fill-Misc Sand - Gravel Occasional: Cob
+				
Stratum ID:	218577641		Top Depth m:	1.200000
Bottom Depth m:	1.500000		Stratum Desc:	Dark Brown Topsoil Silty Clay
+				
Stratum ID:	218577642		Top Depth m:	1.500000
Bottom Depth m:	5		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218577643		Top Depth m:	5
Bottom Depth m:	10.400000		Stratum Desc:	Grey Firm to Stiff Silty Clay
16	1 of 2	84.5	SPAR (SEE & USE ON2304801) 35-100 SYSTEMS DIV. 385 MARCH ROAD, KANATA C/O P.O. BOX 13050 KANATA ON K2K 1X3	GEN
SIC Code:	3359			
SIC Description:	OTHER COMMUN. & ELE.			
Generator #:	ON0161502			
Approval Yrs:	97			

Map Key	Number of Records	Elevation m	Site	DB
--- Details ---				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
16	2 of 2	84.5	SPAR,(SEE & USE ON2304801) SYSTEMS DIVISION 385 MARCH ROAD KANATA ON	GEN
SIC Code:		3359		
SIC Description:		OTHER COMMUN. & ELE.		
Generator #:		ON0161502		
Approval Yrs:		98		
--- Details ---				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
17	1 of 1	85.0	ON	WWIS
Well Id:	7155872		Lot:	
Concession:			Concession Name:	
County:	OTTAWA-CARLETON		Municipality:	MARCH
Easting Nad83:	428668		Northing Nad83:	5020821
Zone:	18		Utm Reliability:	margin of error : 10 - 30 m

Map Key	Number of Records	Elevation m	Site	DB
Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	Municipal Dewatering Other Method		Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	22-OCT-10 7.32 m Replacement Well PLASTIC
--- Details ---				
Thickness:	.61 m		Original Depth:	.61 m
Material Colour:	BROWN		Material:	TOPSOIL, GRAVEL, SOFT
+				
Thickness:	3.05 m		Original Depth:	3.66 m
Material Colour:	GREY		Material:	CLAY, SOFT, WATER-BEARING
+				
Thickness:	3.66 m		Original Depth:	7.32 m
Material Colour:	GREY		Material:	SOFT, WATER-BEARING
18	1 of 1	84.1	ON	<u>BORE</u>
Borehole ID: Use: Drill Method: Easting: Location Accuracy: Elev. Reliability Note: Total Depth m: Township: Lot: Completion Date: Primary Water Use: Location Description:	803723 Geotechnical/Geological Investigation Hollow stem auger 428678.490 10.400000 1984-JUN-22		Type: Status: UTM Zone: Northing: Orig. Ground Elev m: DEM Ground Elev m: Primary Name: Concession: Municipality: Static Water Level: Sec. Water Use:	Borehole 18 5020859.568 83.099998 84.400002 BH 12 2
--- Details ---				
Stratum ID:	218577654		Top Depth m:	0
Bottom Depth m:	1.400000		Stratum Desc:	Brown to Black Compact Fill-Misc Silt - Sand With: Gr Trace: Cl Tr Brk Frag Tr Org M Tr Constr Debris
+				
Stratum ID:	218577655		Top Depth m:	1.400000
Bottom Depth m:	1.600000		Stratum Desc:	Dark Grey Fill-Misc Silt - Sand With: Cl
+				
Stratum ID:	218577656		Top Depth m:	1.600000
Bottom Depth m:	5.100000		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218577657		Top Depth m:	5.100000
Bottom Depth m:	10.400000		Stratum Desc:	Grey Firm to Stiff Silty Clay
19	1 of 2	83.0	MORGUARD INVESTMENTS 356 MARCH ROAD KANATA ON K2K 3N5	<u>GEN</u>

Map Key	Number of Records	Elevation m	Site	DB
SIC Code: SIC Description: Generator #: ON2866684 Approval Yrs: As of Apr 2012 --- Details --- Waste Code: 146 Waste Description: Other specified inorganic sludges, slurries or solids				
19	2 of 2	83.0	MORGUARD INVESTMENTS 356 MARCH ROAD KANATA ON K2K 3N5	GEN
SIC Code: 531310 SIC Description: Generator #: ON2866684 Approval Yrs: 2011				
20	1 of 1	84.9	ON	BORE
Borehole ID: 803482 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 428678.778 Location Accuracy: Elev. Reliability Note: Total Depth m: 3 Township: Lot: Completion Date: 1984-JUN-21 Primary Water Use: Location Description: --- Details --- Stratum ID: 218576645 Bottom Depth m: 1.400000 + Stratum ID: 218576646 Bottom Depth m: 1.700000 + Stratum ID: 218576647 Bottom Depth m: 3				
Type: Borehole Status: UTM Zone: 18 Northing: 5020833.065 Orig. Ground Elev m: 83.400002 DEM Ground Elev m: 84.800003 Primary Name: BH 20 Concession: Municipality: Static Water Level: Sec. Water Use: Top Depth m: 0 Stratum Desc: Brown Very Loose to Compact Fill-Misc Sand - Gravel With: Cob Top Depth m: 1.400000 Stratum Desc: Dark Brown Topsoil Top Depth m: 1.700000 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty Clay				
21	1 of 2	81.0	ON	BORE
Borehole ID: 609752 Use: Drill Method: Easting: 428641.000 Location Accuracy: Elev. Reliability Note: Total Depth m: 46.299999 Township: Type: Borehole Status: UTM Zone: 18 Northing: 5020982.000 Orig. Ground Elev m: 82.300003 DEM Ground Elev m: 81.199997 Primary Name: Concession:				

Map Key	Number of Records	Elevation m	Site	DB
<div> <div> Lot: Completion Date: 1966-JUN Primary Water Use: Location Description: </div> <div> Municipality: Static Water Level: 11.300000 Sec. Water Use: </div> </div>				
--- Details ---				
<div> <div> Stratum ID: 218383989 Bottom Depth m: 25.299999 + </div> <div> Top Depth m: 0 Stratum Desc: CLAY. </div> </div>				
<div> <div> Stratum ID: 218383990 Bottom Depth m: 46.299999 </div> <div> Top Depth m: 25.299999 Stratum Desc: GRANITE. GREY. 00150STABLE AT 233.0 FEET.ITE. 400. BEDROCK. SEISMIC VELOCITY = </div> </div>				
21	2 of 2	81.0	ON	WWIS
<div> <div> Well Id: 1503406 Concession: 04 County: OTTAWA-CARLETON Easting Nad83: 428640.6 Zone: 18 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 4 GPM Flow Rate: Specific Capacity: Construction Method: Diamond Elevation (m): 81.22 Depth to Bedrock: 83 Water Type: FRESH </div> <div> Lot: 006 Concession Name: CON Municipality: MARCH Northing Nad83: 5020982 Utm Reliability: margin of error : 100 m - 300 m Construction Date: 24-JUN-66 Well Depth: 83 ft Static Water Level: 6 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL </div> </div>				
--- Details ---				
<div> <div> Thickness: 83 ft Material Colour: + </div> <div> Original Depth: 83 ft Material: CLAY </div> </div>				
<div> <div> Thickness: 69 ft Material Colour: GREY </div> <div> Original Depth: 152 ft Material: GRANITE </div> </div>				
22	1 of 1	85.0	ON	BORE
<div> <div> Borehole ID: 803484 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 428683.858 Location Accuracy: Elev. Reliability Note: Total Depth m: 8.800000 Township: Lot: Completion Date: 1984-JUN-23 Primary Water Use: Location Description: </div> <div> Type: Borehole Status: UTM Zone: 18 Northing: 5020823.971 Orig. Ground Elev m: 82 DEM Ground Elev m: 83.800003 Primary Name: BH 20A Concession: Municipality: Static Water Level: 1 Sec. Water Use: </div> </div>				
--- Details ---				
<div> <div> Stratum ID: 218576652 Bottom Depth m: 0.100000 </div> <div> Top Depth m: 0 Stratum Desc: Topsoil </div> </div>				

Map Key	Number of Records	Elevation m	Site	DB
+				
Stratum ID:	218576653		Top Depth m:	0.100000
Bottom Depth m:	1.100000		Stratum Desc:	Grey to Grey Brown Fill-Misc Silty Clay Trace: Org M Tr Constr Debris
+				
Stratum ID:	218576654		Top Depth m:	1.100000
Bottom Depth m:	1.200000		Stratum Desc:	Grey Sand
+				
Stratum ID:	218576655		Top Depth m:	1.200000
Bottom Depth m:	3.800000		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218576656		Top Depth m:	3.800000
Bottom Depth m:	8.800000		Stratum Desc:	Grey Stiff Silty Clay

23 **1 of 1** **85.0** **ON** [WWIS](#)

Well Id:	7155873	Lot:	
Concession:		Concession Name:	
County:	OTTAWA-CARLETON	Municipality:	MARCH
Easting Nad83:	428665	Northing Nad83:	5020758
Zone:	18	Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole	Construction Date:	21-OCT-10
Sec. Water Use:	Monitoring	Well Depth:	8.89 m
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Replacement Well
Construction Method:	Other Method	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:		Casing Material:	PLASTIC

--- Details ---

Thickness:	.61 m	Original Depth:	.61 m
Material Colour:	BLACK	Material:	TOPSOIL, SOFT, DRY
+			
Thickness:	2.74 m	Original Depth:	3.35 m
Material Colour:	BROWN	Material:	CLAY, SILT, DRY
+			
Thickness:	1.53 m	Original Depth:	4.88 m
Material Colour:	GREY	Material:	CLAY, SOFT
+			
Thickness:	4.01 m	Original Depth:	8.89 m
Material Colour:	GREY	Material:	CLAY, SOFT, WATER-BEARING

24 **1 of 6** **85.0** **365 March Road
Ottawa ON** [EHS](#)

Order No.:	20100624019
Report Date:	6/28/2010
Report Type:	Custom Report
Search Radius (km):	0.25
Addit. Info Ordered:	

Map Key	Number of Records	Elevation m	Site	DB
24	2 of 6	85.0	SPAR AEROSPACE DEFENCE SYSTEMS DIVISION 365 MARCH ROAD KANATA ON K2K 3N5	GEN
SIC Code:		3359		
SIC Description:		OTHER COMMUN. & ELE.		
Generator #:		ON0161502		
Approval Yrs:		86,87,88		
--- Details ---				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
24	3 of 6	85.0	DRS TECHNOLOGIES CANADA COMPANY 365 MARCH ROAD KANATA ON K2K 2C9	GEN
SIC Code:		3359		
SIC Description:		OTHER COMMUN. & ELE.		
Generator #:		ON2304801		
Approval Yrs:		97,98,99,00,01		
--- Details ---				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
24	4 of 6	85.0	SPAR AEROSPACE LTD.-DEFENCE 35-100 SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O P.O. BOX 13050 KANATA ON K2K 3N5	GEN
SIC Code:		3359		

Map Key	Number of Records	Elevation m	Site	DB
<i>SIC Description:</i> OTHER COMMUN. & ELE. <i>Generator #:</i> ON0161502 <i>Approval Yrs:</i> 92,93,94,95,96 --- Details --- <i>Waste Code:</i> 112 <i>Waste Description:</i> ACID WASTE - HEAVY METALS + <i>Waste Code:</i> 145 <i>Waste Description:</i> PAINT/PIGMENT/COATING RESIDUES + <i>Waste Code:</i> 148 <i>Waste Description:</i> INORGANIC LABORATORY CHEMICALS + <i>Waste Code:</i> 212 <i>Waste Description:</i> ALIPHATIC SOLVENTS + <i>Waste Code:</i> 241 <i>Waste Description:</i> HALOGENATED SOLVENTS + <i>Waste Code:</i> 252 <i>Waste Description:</i> WASTE OILS & LUBRICANTS + <i>Waste Code:</i> 263 <i>Waste Description:</i> ORGANIC LABORATORY CHEMICALS				
24	5 of 6	85.0	SPAR AEROSPACE LTD.-DEFENCE SYSTEMS DIV. 365 MARCH ROAD, KANATA C/O 5090 EXPLORER DR., SUITE 900 MISSISSAUGA ON K2K 3N5	<u>GEN</u>
<i>SIC Code:</i> 3359 <i>SIC Description:</i> OTHER COMMUN. & ELE. <i>Generator #:</i> ON0161502 <i>Approval Yrs:</i> 89,90 --- Details --- <i>Waste Code:</i> 112 <i>Waste Description:</i> ACID WASTE - HEAVY METALS + <i>Waste Code:</i> 145 <i>Waste Description:</i> PAINT/PIGMENT/COATING RESIDUES + <i>Waste Code:</i> 148 <i>Waste Description:</i> INORGANIC LABORATORY CHEMICALS + <i>Waste Code:</i> 212 <i>Waste Description:</i> ALIPHATIC SOLVENTS + <i>Waste Code:</i> 241 <i>Waste Description:</i> HALOGENATED SOLVENTS + <i>Waste Code:</i> 252 <i>Waste Description:</i> WASTE OILS & LUBRICANTS + <i>Waste Code:</i> 263 <i>Waste Description:</i> ORGANIC LABORATORY CHEMICALS				
24	6 of 6	85.0	DRS FLIGHT SAFETY & COMM 365 MARCH RD KANATA ON K2K 3N5	<u>SCT</u>

Map Key	Number of Records	Elevation m	Site	DB
<hr/>				
Established:		1967		
Plant Size (ft²):		1200		
Employment:		90		
--- Details ---				
SIC/NAICS Code:		3764		
Description:		GUIDED MISSILE AND SPACE VEHICLE PROPULSION UNITS AND PROPULSION UNIT PARTS		
+				
SIC/NAICS Code:		3769		
Description:		GUIDED MISSILE AND SPACE VEHICLE PARTS AND AUXILIARY EQUIPMENT, NOT ELSEWHERE CLASSIFIED		

25	1 of 1	86.8	ON	BORE
Borehole ID:	803682	Type:	Borehole	
Use:	Geotechnical/Geological Investigation	Status:		
Drill Method:	Hollow stem auger	UTM Zone:	18	
Easting:	428360.869	Northing:	5020794.489	
Location Accuracy:		Orig. Ground Elev m:	86.300003	
Elev. Reliability Note:		DEM Ground Elev m:	86.400002	
Total Depth m:	6.400000	Primary Name:	BH 8	
Township:		Concession:		
Lot:		Municipality:		
Completion Date:	1984-MAY-31	Static Water Level:	0.900000	
Primary Water Use:		Sec. Water Use:		
Location Description:				
--- Details ---				
Stratum ID:	218577472	Top Depth m:	0	
Bottom Depth m:	1.200000	Stratum Desc:	Grey-Brown Fill-Misc Silty Clay Trace: Org M	
+				
Stratum ID:	218577473	Top Depth m:	1.200000	
Bottom Depth m:	4.300000	Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay	
+				
Stratum ID:	218577474	Top Depth m:	4.300000	
Bottom Depth m:	6.400000	Stratum Desc:	Grey to Reddish Brown Firm Silty Clay	

26	1 of 1	87.0	ON	BORE		
Borehole ID:	803708	Type:	Borehole			
Use:	Geotechnical/Geological Investigation	Status:				
Drill Method:	Hollow stem auger	UTM Zone:	18			
Easting:	428352.617	Northing:	5020787.644			
Location Accuracy:		Orig. Ground Elev m:	86.900002			
Elev. Reliability Note:		DEM Ground Elev m:	86			
Total Depth m:	6.400000	Primary Name:	BH 9			
Township:		Concession:				
Lot:		Municipality:				
Completion Date:	1984-MAY-31	Static Water Level:	0.500000			
Primary Water Use:		Sec. Water Use:				
Location Description:						
--- Details ---						
Stratum ID:	218577607	Top Depth m:	0			

Map Key	Number of Records	Elevation m	Site	DB
Bottom Depth m:	0.600000		Stratum Desc:	Brown to Grey Fill-Misc Sand - Gravel Trace: Constr Debris
+				
Stratum ID:	218577608		Top Depth m:	0.600000
Bottom Depth m:	4		Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay With: Sa
+				
Stratum ID:	218577609		Top Depth m:	4
Bottom Depth m:	6.400000		Stratum Desc:	Grey Firm to Stiff Silty Clay Occasional: Sa
27	1 of 3	81.0	Best Theratronics Ltd 413 March Rd Ottawa ON K2K 0E4	NPRI
NPRI #:	11667			
Year:	2009			
Longitude:	-75.9141			
Latitude:	45.3388			
--- Details ---				
Air:				
Water:				
Land:				
Units:	kg			
Substances Released:	Lead (and its compounds)			
27	2 of 3	81.0	Best Theratronics Ltd. 413 March Road Ottawa ON K2K0E4	NPRI
NPRI #:	11667			
Year:	2010			
Longitude:	-75.9141			
Latitude:	45.3388			
--- Details ---				
Air:				
Water:				
Land:				
Units:	kg			
Substances Released:	Lead (and its compounds)			
27	3 of 3	81.0	Best Theratronics Ltd 413 March Rd Ottawa ON K2K 0E4	NPRI
NPRI #:	11667			
Year:	2008			
Longitude:	-75.9141			
Latitude:	45.3388			
--- Details ---				
Air:				
Water:				
Land:				
Units:	kg			
Substances Released:	Lead (and its compounds)			

Map Key	Number of Records	Elevation m	Site	DB
28	1 of 1	80.0	ON	BORE
Borehole ID: 803671		Type: Borehole		
Use: Geotechnical/Geological Investigation		Status:		
Drill Method: Hollow stem auger		UTM Zone: 18		
Easting: 428672.337		Northing: 5021000.670		
Location Accuracy:		Orig. Ground Elev m: 80.900002		
Elev. Reliability Note:		DEM Ground Elev m: 80.800003		
Total Depth m: 7.300000		Primary Name: BH 4		
Township:		Concession:		
Lot:		Municipality:		
Completion Date: 1984-JUN-18		Static Water Level: 1.400000		
Primary Water Use:		Sec. Water Use:		
Location Description:				
--- Details ---				
Stratum ID: 218577427		Top Depth m: 0		
Bottom Depth m: 0		Stratum Desc: Topsoil		
+				
Stratum ID: 218577428		Top Depth m: 0		
Bottom Depth m: 0.200000		Stratum Desc: Sand		
+				
Stratum ID: 218577429		Top Depth m: 0.200000		
Bottom Depth m: 3.700000		Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty Clay		
+				
Stratum ID: 218577430		Top Depth m: 3.700000		
Bottom Depth m: 7.300000		Stratum Desc: Grey Stiff Silty Clay		
29	1 of 1	85.0	ON	BORE
Borehole ID: 803480		Type: Borehole		
Use: Geotechnical/Geological Investigation		Status:		
Drill Method: Hollow stem auger		UTM Zone: 18		
Easting: 428709.670		Northing: 5020785.494		
Location Accuracy:		Orig. Ground Elev m: 86.199997		
Elev. Reliability Note:		DEM Ground Elev m: 83.300003		
Total Depth m: 7.300000		Primary Name: BH 19		
Township:		Concession:		
Lot:		Municipality:		
Completion Date: 1984-JUN-20		Static Water Level:		
Primary Water Use:		Sec. Water Use:		
Location Description:				
--- Details ---				
Stratum ID: 218576635		Top Depth m: 0		
Bottom Depth m: 0.300000		Stratum Desc: Topsoil		
+				
Stratum ID: 218576636		Top Depth m: 0.300000		
Bottom Depth m: 4.400000		Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay		
+				
Stratum ID: 218576637		Top Depth m: 4.400000		
Bottom Depth m: 7.300000		Stratum Desc: Grey Firm Silty Clay		

Map Key	Number of Records	Elevation m	Site	DB
30	1 of 4	82.0	Kanata Research Park Corporation 390 MARCH RD KANATA KANATA ON K2K 0G7	<u>EASR</u>
CofA Number:		R-003-4870842836		
Date:		3/30/2012		
Status:		Registered		
Project Type:		Heating System		
30	2 of 4	82.0	Kanata Research Park Corporation 390 MARCH ROAD OTTAWA ON	<u>EASR</u>
CofA Number:		R-002-3153239727		
Date:		9/5/2012		
Status:		Registered		
Project Type:		Standby Power System		
30	3 of 4	82.0	Kanata Research Park Corporation 390 MARCH ROAD OTTAWA ON	<u>EASR</u>
CofA Number:		R-002-5152566723		
Date:		9/25/2012		
Status:		Registered		
Project Type:		Standby Power System		
30	4 of 4	82.0	Kanata Research Park Corporation 390 MARCH ROAD OTTAWA ON	<u>EASR</u>
CofA Number:		R-003-9153154648		
Date:		9/5/2012		
Status:		Registered		
Project Type:		Heating System		
31	1 of 10	88.0	OPTOTEK LIMITED 62 STEACIE DR. LOT 6 CONC. 3 KANATA CITY ON K2K 2A9	<u>CA</u>
Certificate #:		8-4011-87-		
Application Year:		87		
Issue Date:		1/15/1988		
Approval Type:		Industrial air		
Status:		Approved in 1988		
Application Type:				
Client Name:				
Client Address:				
Client City:				
Client Postal Code:				
Project Description:		HALOGONATED SOLVENTS		
Contaminants:				
Emission Control:				

Map Key	Number of Records	Elevation m	Site	DB
31	2 of 10	88.0	62 Steacie Drive n/a ON K2K 2A9	EHS
Order No.:		20060323011w		
Report Date:		3/23/2006		
Report Type:		Online Mapless		
Search Radius (km):		0.25		
Addit. Info Ordered:				
31	3 of 10	88.0	AMCA INTERNATIONAL LTD.(OUTOFBUS) 03-096 RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	GEN
SIC Code:		3022		
SIC Description:		PLATE WORK INDUSTRY		
Generator #:		ON0480500		
Approval Yrs:		92,93,94,95,96,97,98		
31	4 of 10	88.0	OPTOTEK LIMITED 62 STEACIE DRIVE KANATA ON K2K 2A9	GEN
SIC Code:		3352		
SIC Description:		ELECT. PARTS & COMP.		
Generator #:		ON0135401		
Approval Yrs:		90,98,99,00,01,02,03,04,05		
--- Details ---				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
31	5 of 10	88.0	AMCA INTERNATIONAL LTD.(OUTOFBUS) RESEARCH & TECHNOLOGY CENTRE 62 STEACIE DRIVE KANATA ON K2K 2A9	GEN
SIC Code:		3022		
SIC Description:		PLATE WORK INDUSTRY		
Generator #:		ON0480500		
Approval Yrs:		86,87,88,89		
--- Details ---				
Waste Code:		211		
Waste Description:		AROMATIC SOLVENTS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		213		

Map Key	Number of Records	Elevation m	Site	DB
<i>Waste Description:</i> PETROLEUM DISTILLATES + <i>Waste Code:</i> 252 <i>Waste Description:</i> WASTE OILS & LUBRICANTS + <i>Waste Code:</i> 253 <i>Waste Description:</i> EMULSIFIED OILS				
31	6 of 10	88.0	OPTOTEK LIMITED 62 STEACIE DRIVE KANATA ON K2K 2A9	29-514
<i>SIC Code:</i> 3352 <i>SIC Description:</i> ELECT. PARTS & COMP. <i>Generator #:</i> ON0135401 <i>Approval Yrs:</i> 92,93,94,95,96,97 --- Details --- <i>Waste Code:</i> 212 <i>Waste Description:</i> ALIPHATIC SOLVENTS + <i>Waste Code:</i> 241 <i>Waste Description:</i> HALOGENATED SOLVENTS + <i>Waste Code:</i> 252 <i>Waste Description:</i> WASTE OILS & LUBRICANTS				
31	7 of 10	88.0	Optotek Ltd 62 Steacie Drive Ottawa ON	GEN
<i>SIC Code:</i> 334410 <i>SIC Description:</i> Semiconductor and Other Electronic Component Manuf <i>Generator #:</i> ON6973632 <i>Approval Yrs:</i> 06 --- Details --- <i>Waste Code:</i> 148 <i>Waste Description:</i> INORGANIC LABORATORY CHEMICALS + <i>Waste Code:</i> 211 <i>Waste Description:</i> AROMATIC SOLVENTS + <i>Waste Code:</i> 252 <i>Waste Description:</i> WASTE OILS & LUBRICANTS + <i>Waste Code:</i> 263 <i>Waste Description:</i> ORGANIC LABORATORY CHEMICALS + <i>Waste Code:</i> 331 <i>Waste Description:</i> WASTE COMPRESSED GASES				
31	8 of 10	88.0	GOLDER ASSOCIATES LTD. 62 STEACIE DRIVE KANATA ON	GEN
<i>SIC Code:</i> 541620 <i>SIC Description:</i> <i>Generator #:</i> ON7637612 <i>Approval Yrs:</i> 2011				

Map Key	Number of Records	Elevation m	Site	DB
31	9 of 10	88.0	Elliptic Technologies Inc. 62 Steacie Dr Suite 201 Kanata ON K2K 2A9	SCT
Established:		01-AUG-01		
Plant Size (ft²):				
Employment:				
--- Details ---				
SIC/NAICS Code:		334610		
Description:		Manufacturing and Reproducing Magnetic and Optical Media		
+				
SIC/NAICS Code:		334410		
Description:		Semiconductor and Other Electronic Component Manufacturing		
31	10 of 10	88.0	Optotek Limited 62 Steacie Dr Kanata ON K2K 2A9	SCT
Established:		1977		
Plant Size (ft²):		5000		
Employment:				
--- Details ---				
SIC/NAICS Code:		334410		
Description:		Semiconductor and Other Electronic Component Manufacturing		
+				
SIC/NAICS Code:		334610		
Description:		Manufacturing and Reproducing Magnetic and Optical Media		
+				
SIC/NAICS Code:		541510		
Description:		Computer Systems Design and Related Services		
32	1 of 1	88.5	ON	BORE
Borehole ID:		803725	Type:	Borehole
Use:		Geotechnical/Geological Investigation	Status:	
Drill Method:		Boring	UTM Zone:	18
Easting:		428328.965	Northing:	5020762.586
Location Accuracy:			Orig. Ground Elev m:	86.599998
Elev. Reliability Note:			DEM Ground Elev m:	86.800003
Total Depth m:		6.100000	Primary Name:	AH 13
Township:			Concession:	
Lot:			Municipality:	
Completion Date:		1984-MAY-3	Static Water Level:	
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:		218577658	Top Depth m:	0
Bottom Depth m:		0.300000	Stratum Desc:	Topsoil
+				
Stratum ID:		218577659	Top Depth m:	0.300000
Bottom Depth m:		4.600000	Stratum Desc:	Grey-Brown Weathered Crust Silty Clay
+				

Map Key	Number of Records	Elevation m	Site	DB
Stratum ID:	218577660		Top Depth m:	4.600000
Bottom Depth m:	6.100000		Stratum Desc:	Grey Silty Clay Trace: Org M
33	1 of 1	88.0	ON	BORE
Borehole ID:	803184		Type:	Borehole
Use:	Geotechnical/Geological Investigation		Status:	
Drill Method:	Not known		UTM Zone:	18
Easting:	428487.763		Northing:	5020645.139
Location Accuracy:			Orig. Ground Elev m:	
Elev. Reliability Note:			DEM Ground Elev m:	88.699997
Total Depth m:	1		Primary Name:	AH.S-2
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1986-MAY-1		Static Water Level:	
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218575215		Top Depth m:	0.200000
Bottom Depth m:	0.600000		Stratum Desc:	Brown Sand - Gravel Occasional: Cob
+				
Stratum ID:	218575216		Top Depth m:	0.600000
Bottom Depth m:	1		Stratum Desc:	Dark Brown Topsoil Silt - Sand With: Org M
+				
Stratum ID:	218575213		Top Depth m:	0
Bottom Depth m:	0		Stratum Desc:	Asphalt
+				
Stratum ID:	218575214		Top Depth m:	0
Bottom Depth m:	0.200000		Stratum Desc:	Brown Sand - Gravel Granular A
34	1 of 24	81.0	413 March Road Ottawa (Kanata) ON K2K 0E4	EHS
Order No.:	20110225001			
Report Date:	3/8/2011			
Report Type:	Custom Report			
Search Radius (km):	0.25			
Addit. Info Ordered:	Fire Insur. Maps and/or Site Plans			
34	2 of 24	81.0	413 March Road Kanata, Ontario ON K2K 0E4	EHS
Order No.:	20120724015			
Report Date:	02-AUG-12			
Report Type:	Standard Report			
Search Radius (km):	.25			
Addit. Info Ordered:				
34	3 of 24	81.0	MDS NORDION 413 MARCH ROAD KANATA ON K2K 1X8	GEN

Map Key	Number of Records	Elevation m	Site	DB
SIC Code: 3081 SIC Description: MACHINE SHOP IND. Generator #: ON1141701 Approval Yrs: 99,00,01				
--- Details ---				
Waste Code: 122				
Waste Description: ALKALINE WASTES - OTHER METALS				
+				
Waste Code: 131				
Waste Description: NEUTRALIZED WASTES - HEAVY METALS				
+				
Waste Code: 143				
Waste Description: STEEL MAKING RESIDUES				
+				
Waste Code: 145				
Waste Description: PAINT/PIGMENT/COATING RESIDUES				
+				
Waste Code: 146				
Waste Description: OTHER SPECIFIED INORGANICS				
+				
Waste Code: 148				
Waste Description: INORGANIC LABORATORY CHEMICALS				
+				
Waste Code: 211				
Waste Description: AROMATIC SOLVENTS				
+				
Waste Code: 212				
Waste Description: ALIPHATIC SOLVENTS				
+				
Waste Code: 221				
Waste Description: LIGHT FUELS				
+				
Waste Code: 241				
Waste Description: HALOGENATED SOLVENTS				
+				
Waste Code: 253				
Waste Description: EMULSIFIED OILS				
+				
Waste Code: 263				
Waste Description: ORGANIC LABORATORY CHEMICALS				
+				
Waste Code: 264				
Waste Description: PHOTOPROCESSING WASTES				
+				
Waste Code: 312				
Waste Description: PATHOLOGICAL WASTES				
34	4 of 24	81.0	ATOMIC ENERGY (OUT OF BUSINESS) AECL RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	<u>GEN</u>
SIC Code: 8225 SIC Description: REGULATORY SERVICES Generator #: ON0029502 Approval Yrs: 98				
34	5 of 24	81.0	Best Theratronics Ltd. 413 March Road	<u>GEN</u>

Map Key	Number of Records	Elevation m	Site	DB
Kanata ON K2K 0E4				
SIC Code:		333299, 333519, 333990		
SIC Description:		All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing		
Generator #:		ON8046323		
Approval Yrs:		2009		
--- Details ---				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
+				
Waste Code:		331		
Waste Description:		WASTE COMPRESSED GASES		
34	6 of 24	81.0	ATOMIC (SEE & USE ON1038900) MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	<u>GEN</u>
SIC Code:		8176		
SIC Description:		RESEARCH ADMIN.		
Generator #:		ON0029501		
Approval Yrs:		88,89,90		
--- Details ---				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
37	erisinfo.com	EcoLog ERIS Ltd.		Order #: 20130806003
	13-340	401 March Rd Ottawa ON K2K0E4		

Map Key	Number of Records	Elevation m	Site	DB
Waste Code:		253		
Waste Description:		EMULSIFIED OILS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
34	7 of 24	81.0	ATOMIC ENERGY OF CANADA LIMITED RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	GEN
SIC Code:		8225		
SIC Description:		REGULATORY SERVICES		
Generator #:		ON0029502		
Approval Yrs:		86,87,88		
--- Details ---				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		114		
Waste Description:		OTHER INORGANIC ACID WASTES		
+				
Waste Code:		122		
Waste Description:		ALKALINE WASTES - OTHER METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		211		
Waste Description:		AROMATIC SOLVENTS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		213		
Waste Description:		PETROLEUM DISTILLATES		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		251		
Waste Description:		OIL SKIMMINGS & SLUDGES		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		267		
Waste Description:		ORGANIC ACIDS		
+				
Waste Code:		331		
Waste Description:		WASTE COMPRESSED GASES		
34	8 of 24	81.0	Best Theratronics Ltd. 413 March Road Kanata ON K2K 0E4	GEN

Map Key	Number of Records	Elevation m	Site	DB
<div> <div>SIC Code:</div> <div>SIC Description:</div> <div>Generator #:</div> <div>Approval Yrs:</div> </div> <div> <div>333299 333519 333990</div> <div>All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing</div> <div>ON8046323</div> <div>07,08</div> </div>				
<div> <div>--- Details ---</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> </div> <div> <div>112</div> <div>ACID WASTE - HEAVY METALS</div> <div></div> <div>145</div> <div>PAINT/PIGMENT/COATING RESIDUES</div> <div></div> <div>146</div> <div>OTHER SPECIFIED INORGANICS</div> <div></div> <div>148</div> <div>INORGANIC LABORATORY CHEMICALS</div> <div></div> <div>212</div> <div>ALIPHATIC SOLVENTS</div> <div></div> <div>241</div> <div>HALOGENATED SOLVENTS</div> <div></div> <div>252</div> <div>WASTE OILS & LUBRICANTS</div> <div></div> <div>263</div> <div>ORGANIC LABORATORY CHEMICALS</div> <div></div> <div>264</div> <div>PHOTOPROCESSING WASTES</div> <div></div> <div>331</div> <div>WASTE COMPRESSED GASES</div> </div>				
34	9 of 24	81.0	ATOMIC ENERGY (SEE & USE ON1038900) 413 MARCH ROAD KANATA ON K2K 2B7	GEN
<div> <div>SIC Code:</div> <div>SIC Description:</div> <div>Generator #:</div> <div>Approval Yrs:</div> </div> <div> <div>8176</div> <div>RESEARCH ADMIN.</div> <div>ON0029501</div> <div>98</div> </div>				
34	10 of 24	81.0	THERATRONICS INTERNATIONAL LIMITED 413 MARCH ROAD KANATA ON K2K 2B7	GEN
<div> <div>SIC Code:</div> <div>SIC Description:</div> <div>Generator #:</div> <div>Approval Yrs:</div> </div> <div> <div>3081</div> <div>MACHINE SHOP IND.</div> <div>ON1038900</div> <div>97,98</div> </div>				
<div> <div>--- Details ---</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> </div> <div> <div>122</div> <div>ALKALINE WASTES - OTHER METALS</div> </div>				
39	erisinfo.com EcoLog ERIS Ltd. 13-340 401 March Rd Ottawa ON K2K0E4			Order #: 20130806003

Map Key	Number of Records	Elevation m	Site	DB
Waste Code:		131		
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		211		
Waste Description:		AROMATIC SOLVENTS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		221		
Waste Description:		LIGHT FUELS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		253		
Waste Description:		EMULSIFIED OILS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
34	11 of 24	81.0	ATOMIC ENERGY (OUT OF BUSINESS) 03-242 RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	<u>GEN</u>
SIC Code:		8225		
SIC Description:		REGULATORY SERVICES		
Generator #:		ON0029502		
Approval Yrs:		92,93,94,95,96,97		
34	12 of 24	81.0	Best Theratronics Ltd. 413 March Road Kanata ON K2K 0E4	<u>GEN</u>
SIC Code:				
SIC Description:				
Generator #:		ON8046323		
Approval Yrs:		As of Apr 2012		
--- Details ---				
Waste Code:		112		
Waste Description:		Acid solutions - containing heavy metals		
+				
Waste Code:		122		
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)		

Map Key	Number of Records	Elevation m	Site	DB
+				
Waste Code:		145		
Waste Description:		Wastes from the use of pigments, coatings and paints		
+				
Waste Code:		146		
Waste Description:		Other specified inorganic sludges, slurries or solids		
+				
Waste Code:		148		
Waste Description:		Misc. wastes and inorganic chemicals		
+				
Waste Code:		212		
Waste Description:		Aliphatic solvents and residues		
+				
Waste Code:		241		
Waste Description:		Halogenated solvents and residues		
+				
Waste Code:		252		
Waste Description:		Waste crankcase oils and lubricants		
+				
Waste Code:		263		
Waste Description:		Misc. waste organic chemicals		
+				
Waste Code:		264		
Waste Description:		Photoprocessing wastes		
+				
Waste Code:		331		
Waste Description:		Waste compressed gases including cylinders		

34 **13 of 24** **81.0** **THEATR(SEE & USE ON1141701)** [GEN](#)
413 MARCH ROAD
KANATA ON K2K 2B7

SIC Code: 3081
SIC Description: MACHINE SHOP IND.
Generator #: ON1038900
Approval Yrs: 99,00

--- Details ---

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

+

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

+

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

+

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

+

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

+

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

+

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

+

Waste Code: 221
Waste Description: LIGHT FUELS

+

Map Key	Number of Records	Elevation m	Site	DB
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		253		
Waste Description:		EMULSIFIED OILS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
34	14 of 24	81.0	THE RATRONICS INTERNATIONAL LIMITED 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	GEN
SIC Code:		8176		
SIC Description:		RESEARCH ADMIN.		
Generator #:		ON1038900		
Approval Yrs:		88,89,90		
--- Details ---				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		253		
Waste Description:		EMULSIFIED OILS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
34	15 of 24	81.0	ATOMIC ENERGY (OUT OF BUSINESS) RADIOCHEMICAL COMPANY 413 MARCH ROAD KANATA ON K2K 1X8	GEN
SIC Code:		8225		
SIC Description:		REGULATORY SERVICES		
Generator #:		ON0029502		
Approval Yrs:		89,90		
--- Details ---				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		

Map Key	Number of Records	Elevation m	Site	DB
<hr/>				
+		114		
Waste Code:		114		
Waste Description:		OTHER INORGANIC ACID WASTES		
+		122		
Waste Code:		122		
Waste Description:		ALKALINE WASTES - OTHER METALS		
+		145		
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+		148		
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+		211		
Waste Code:		211		
Waste Description:		AROMATIC SOLVENTS		
+		212		
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+		213		
Waste Code:		213		
Waste Description:		PETROLEUM DISTILLATES		
+		241		
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+		251		
Waste Code:		251		
Waste Description:		OIL SKIMMINGS & SLUDGES		
+		252		
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+		263		
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+		267		
Waste Code:		267		
Waste Description:		ORGANIC ACIDS		
+		331		
Waste Code:		331		
Waste Description:		WASTE COMPRESSED GASES		
<hr/>				
34	16 of 24	81.0	ATOMIC ENERGY OF CANADA LTD. MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	GEN
SIC Code:		8176		
SIC Description:		RESEARCH ADMIN.		
Generator #:		ON0029501		
Approval Yrs:		86,87		
---	Details	---		
+		145		
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+		212		
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+		241		
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+		253		
Waste Code:		253		
Waste Description:		EMULSIFIED OILS		
+				

Map Key	Number of Records	Elevation m	Site	DB
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
34	17 of 24	81.0	THERATRONICS INTERNATIONAL LIMITED37-441 413 MARCH ROAD KANATA ON K2K 2B7	<u>GEN</u>
SIC Code:		3081		
SIC Description:		MACHINE SHOP IND.		
Generator #:		ON1038900		
Approval Yrs:		92,93,94,95,96		
--- Details ---				
Waste Code:		122		
Waste Description:		ALKALINE WASTES - OTHER METALS		
+				
Waste Code:		131		
Waste Description:		NEUTRALIZED WASTES - HEAVY METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		211		
Waste Description:		AROMATIC SOLVENTS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		221		
Waste Description:		LIGHT FUELS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		253		
Waste Description:		EMULSIFIED OILS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
34	18 of 24	81.0	ATOMIC (SEE & USE ON1038900) 03-128 MEDICAL, 413 MARCH ROAD P.O. BOX 13140 KANATA ON K2K 2B7	<u>GEN</u>
SIC Code:		8176		
SIC Description:		RESEARCH ADMIN.		
Generator #:		ON0029501		
Approval Yrs:		92,93,94,95,96,97		

Map Key	Number of Records	Elevation m	Site	DB
34	19 of 24	81.0	Best Theratronics Ltd. 413 March Road Kanata ON K2K 0E4	GEN
SIC Code:		333299, 333519, 333990		
SIC Description:		All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing		
Generator #:		ON8046323		
Approval Yrs:		2011		
--- Details ---				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		331		
Waste Description:		WASTE COMPRESSED GASES		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+				
Waste Code:		122		
Waste Description:		ALKALINE WASTES - OTHER METALS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		264		
Waste Description:		PHOTOPROCESSING WASTES		
34	20 of 24	81.0	Best Theratronics Ltd. 413 March Road Kanata ON K2K 0E4	GEN
SIC Code:		333299, 333519, 333990		
SIC Description:		All Other Industrial Machinery Manufacturing, Other Metalworking Machinery Manufacturing, All Other General-Purpose Machinery Manufacturing		
Generator #:		ON8046323		
Approval Yrs:		2010		
--- Details ---				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		

Map Key	Number of Records	Elevation m	Site	DB
<hr/> + Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS + Waste Code: 112 Waste Description: ACID WASTE - HEAVY METALS + Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES + Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS + Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS + Waste Code: 331 Waste Description: WASTE COMPRESSED GASES + Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS + Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS <hr/>				
34	21 of 24	81.0	Best Theratronics Ltd. 413 March Road Ottawa ON K2K0E4	NPRI
NPRI #: Year: Longitude: Latitude: --- Details --- Air: Water: Land: Units: Substances Released:				
		0000011667 2011 -75.9141 45.3388		
		kg Lead (and its compounds)		
34	22 of 24	81.0	Best Medical Canada, Ltd. 413 March Rd Ottawa ON K2K 0E4	SCT
Established: Plant Size (ft²): Employment: --- Details --- SIC/NAICS Code: Description: + SIC/NAICS Code: Description:				
		1/1/1984 3000		
		334512 Measuring, Medical and Controlling Devices Manufacturing 334512 Measuring, Medical and Controlling Devices Manufacturing		

Map Key	Number of Records	Elevation m	Site	DB
34	23 of 24	81.0	THERATRONICS INTERNATIONAL LTD 413 MARCH RD KANATA ON K2K	SCT
Established:		1952		
Plant Size (ft²):		0		
Employment:		260		
--- Details ---				
SIC/NAICS Code:		3845		
Description:		ELECTROMEDICAL AND ELECTROTHERAPEUTIC APPARATUS		
34	24 of 24	81.0	Best Medical Canada, Ltd. 413 March Rd Kanata ON K2K 0E4	SCT
Established:		01-JAN-84		
Plant Size (ft²):		3000		
Employment:				
--- Details ---				
SIC/NAICS Code:		334512		
Description:		Measuring, Medical and Controlling Devices Manufacturing		
+				
SIC/NAICS Code:		334512		
Description:		Measuring, Medical and Controlling Devices Manufacturing		
35	1 of 1	90.0	ON	BORE
Borehole ID:		803182	Type:	Borehole
Use:		Geotechnical/Geological Investigation	Status:	
Drill Method:		Not known	UTM Zone:	18
Easting:		428382.999	Northing:	5020674.088
Location Accuracy:			Orig. Ground Elev m:	
Elev. Reliability Note:			DEM Ground Elev m:	91.400002
Total Depth m:		1.600000	Primary Name:	AH.S-1
Township:			Concession:	
Lot:			Municipality:	
Completion Date:		1986-MAY-1	Static Water Level:	
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:		218575205	Top Depth m:	0
Bottom Depth m:		0	Stratum Desc:	Asphalt
+				
Stratum ID:		218575206	Top Depth m:	0
Bottom Depth m:		0.200000	Stratum Desc:	Brown Sand - Gravel Granular A
+				
Stratum ID:		218575207	Top Depth m:	0.200000
Bottom Depth m:		0.900000	Stratum Desc:	Brown Sand - Gravel Occasional: Cob
+				
Stratum ID:		218575208	Top Depth m:	0.900000
Bottom Depth m:		1	Stratum Desc:	Grey-Brown Weathered Crust Silty Clay
+				
Stratum ID:		218575209	Top Depth m:	1

Map Key	Number of Records	Elevation m	Site	DB
Bottom Depth m:	1.600000		Stratum Desc:	Brown Till sand silt With: Gr Occasional: Cob
36	1 of 1	89.0	ON	<u>BORE</u>
Borehole ID:	803727		Type:	Borehole
Use:	Geotechnical/Geological Investigation		Status:	
Drill Method:	Boring		UTM Zone:	18
Easting:	428315.223		Northing:	5020747.844
Location Accuracy:			Orig. Ground Elev m:	87.099998
Elev. Reliability Note:			DEM Ground Elev m:	87.800003
Total Depth m:	3		Primary Name:	AH 14
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1984-MAY-3		Static Water Level:	
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218577665		Top Depth m:	0
Bottom Depth m:	0.300000		Stratum Desc:	Topsoil
+				
Stratum ID:	218577666		Top Depth m:	0.300000
Bottom Depth m:	2.900000		Stratum Desc:	Grey-Brown Weathered Crust Silty Clay
+				
Stratum ID:	218577667		Top Depth m:	2.900000
Bottom Depth m:	3		Stratum Desc:	Brown Till
37	1 of 1	86.1	ON	<u>WWIS</u>
Well Id:	1503342		Lot:	007
Concession:	03		Concession Name:	CON
County:	OTTAWA-CARLETON		Municipality:	MARCH
Easting Nad83:	428280.6		Northing Nad83:	5020867
Zone:	18		Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Public		Construction Date:	22-JUN-65
Sec. Water Use:			Well Depth:	86 ft
Pump Rate:	10 GPM		Static Water Level:	9 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	85.88		Elevation Reliability:	
Depth to Bedrock:	62		Overburden/Bedrock:	Overburden below Bedrock
Water Type:	FRESH		Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:	40 ft		Original Depth:	40 ft
Material Colour:			Material:	CLAY
+				
Thickness:	22 ft		Original Depth:	62 ft
Material Colour:			Material:	GRAVEL
+				
Thickness:	23 ft		Original Depth:	85 ft
Material Colour:	GREY		Material:	GRANITE

Map Key	Number of Records	Elevation m	Site	DB
<hr/>				
+				
Thickness:	1 ft		Original Depth:	86 ft
Material Colour:			Material:	MEDIUM SAND
+				
Thickness:	44 ft		Original Depth:	130 ft
Material Colour:	RED		Material:	GRANITE
<hr/>				
38	1 of 1	85.0	ON	<u>WWIS</u>
<hr/>				
Well Id:	7155874		Lot:	
Concession:			Concession Name:	
County:	OTTAWA-CARLETON		Municipality:	MARCH
Easting Nad83:	428732		Northing Nad83:	5020722
Zone:	18		Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole		Construction Date:	21-OCT-10
Sec. Water Use:	Monitoring		Well Depth:	4.88 m
Pump Rate:			Static Water Level:	
Flow Rate:			Clear/Cloudy:	
Specific Capacity:			Final Well Status:	Observation Wells
Construction Method:	Other Method		Flowing (y/n):	
Elevation (m):			Elevation Reliability:	
Depth to Bedrock:			Overburden/Bedrock:	
Water Type:			Casing Material:	PLASTIC
--- Details ---				
Thickness:	.91 m		Original Depth:	.91 m
Material Colour:	BROWN		Material:	GRAVEL, SAND, SOFT
+				
Thickness:	2.44 m		Original Depth:	3.35 m
Material Colour:	BROWN		Material:	CLAY, SILT, SOFT
+				
Thickness:	1.53 m		Original Depth:	4.88 m
Material Colour:	GREY		Material:	CLAY, , SOFT
+				
Thickness:	5.48 m		Original Depth:	10.36 m
Material Colour:	GREY		Material:	CLAY, SOFT, WATER-BEARING
<hr/>				
39	1 of 1	82.3	ON	<u>BORE</u>
<hr/>				
Borehole ID:	803667		Type:	Borehole
Use:	Geotechnical/Geological Investigation		Status:	
Drill Method:	Hollow stem auger		UTM Zone:	18
Easting:	428780.016		Northing:	5020915.172
Location Accuracy:			Orig. Ground Elev m:	82.400002
Elev. Reliability Note:			DEM Ground Elev m:	80.599998
Total Depth m:	10.400000		Primary Name:	BH 3
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1984-JUN-18		Static Water Level:	3.100000
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218577404		Top Depth m:	0

Map Key	Number of Records	Elevation m	Site	DB
Bottom Depth m:	0.300000		Stratum Desc:	Crushed Stone
+				
Stratum ID:	218577405		Top Depth m:	0.300000
Bottom Depth m:	1.100000		Stratum Desc:	Brown Fill-Misc Sand - Gravel
+				
Stratum ID:	218577406		Top Depth m:	1.100000
Bottom Depth m:	1.500000		Stratum Desc:	Brown Fill-Misc Sand
+				
Stratum ID:	218577407		Top Depth m:	1.500000
Bottom Depth m:	1.800000		Stratum Desc:	Dark Brown Fill-Misc Silty Clay
+				
Stratum ID:	218577408		Top Depth m:	1.800000
Bottom Depth m:	5.300000		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218577409		Top Depth m:	5.300000
Bottom Depth m:	10.400000		Stratum Desc:	Grey Stiff Silty Clay

40	1 of 5	86.8	CONTROL MICROSYSTEMS INC. 48 Steacie Drive Kanata ON K2K 2A9	<u>GEN</u>
SIC Code:				
SIC Description:				
Generator #:				
Approval Yrs:				
ON1710900				
02,03,04,05,06,07,08				
--- Details ---				
Waste Code:				
241				
Waste Description:				
HALOGENATED SOLVENTS				
+				
Waste Code:				
212				
Waste Description:				
ALIPHATIC SOLVENTS				

40	2 of 5	86.8	CONTROL MICROSYSTEMS INC. 48 Steacie Drive Kanata ON K2K 2A9	<u>GEN</u>
SIC Code:				
335990				
SIC Description:				
All Other Electrical Equipment and Component Manufacturing				
Generator #:				
ON1710900				
Approval Yrs:				
2009				
--- Details ---				
Waste Code:				
212				
Waste Description:				
ALIPHATIC SOLVENTS				
+				
Waste Code:				
213				
Waste Description:				
PETROLEUM DISTILLATES				

40	3 of 5	86.8	CONTROL MICROSYSTEMS INC. 48 Steacie Drive Kanata ON K2K 2A9	<u>GEN</u>
SIC Code:				
335990				
SIC Description:				
All Other Electrical Equipment and Component Manufacturing				

Map Key	Number of Records	Elevation m	Site	DB
Generator #:		ON1710900		
Approval Yrs:		2010		
--- Details ---				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+				
Waste Code:		213		
Waste Description:		PETROLEUM DISTILLATES		
40	4 of 5	86.8	Control Microsystems 48 Steacie Dr Kanata ON K2K 2A9	PAP
Year:		2009		
Company ID:		146886635		
Operation:				
Type:		Head Office		
Division:				
Mailing Address:		48 Steacie Dr, Kanata ON K2K 2A9		
Mill Notes:		Control Microsystems is a market leader in the development and manufacturing of SCADA hardware and software. The company's SCADAPack controllers are installed in over 100,000 installations around the world and are known for their high value and reliability. The SCADAPack controller product line combines standard PLC and RTU features with ladder logic programming, flexible I/O, and data logging capabilities. All Control Microsystems products are marketed around the world through a comprehensive network of product representatives, resellers and distributors. As part of its industry-leading customer support program. Control Microsystems offers direct technical and sales support through dedicated factory teams. For more information visit www.controlmicrosystems.com		
History:				
Status:		Active		
40	5 of 5	86.8	Control Microsystems Inc. 48 Steacie Dr Kanata ON K2K 2A9	SCT
Established:		01-AUG-80		
Plant Size (ft²):		24000		
Employment:				
--- Details ---				
SIC/NAICS Code:		334110		
Description:		Computer and Peripheral Equipment Manufacturing		
+				
SIC/NAICS Code:		335315		
Description:		Switchgear and Switchboard, and Relay and Industrial Control Apparatus Manufacturing		
+				
SIC/NAICS Code:		333990		
Description:		All Other General-Purpose Machinery Manufacturing		
+				
SIC/NAICS Code:		334310		
Description:		Audio and Video Equipment Manufacturing		
+				
SIC/NAICS Code:		334110		
Description:		Computer and Peripheral Equipment Manufacturing		
+				
SIC/NAICS Code:		334410		
Description:		Semiconductor and Other Electronic Component Manufacturing		
+				
SIC/NAICS Code:		335930		
Description:		Wiring Device Manufacturing		

Map Key	Number of Records	Elevation m	Site	DB
+				
SIC/NAICS Code:		334220		
Description:		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing		
+				
SIC/NAICS Code:		334290		
Description:		Other Communications Equipment Manufacturing		
+				
SIC/NAICS Code:		511210		
Description:		Software Publishers		

41 **1 of 1** **87.2** **ON** **BORE**

Borehole ID:	803185	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Not known	UTM Zone:	18
Easting:	428586.046	Northing:	5020613.812
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	87.300003
Total Depth m:	2	Primary Name:	AH.S-3
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	1986-MAY-1	Static Water Level:	
Primary Water Use:		Sec. Water Use:	
Location Description:			

--- Details ---

Stratum ID:	218575217	Top Depth m:	0
Bottom Depth m:	0	Stratum Desc:	Asphalt
+			
Stratum ID:	218575218	Top Depth m:	0
Bottom Depth m:	0.200000	Stratum Desc:	Brown Sand - Gravel granular A
+			
Stratum ID:	218575219	Top Depth m:	0.200000
Bottom Depth m:	0.800000	Stratum Desc:	Brown Sand - Gravel Occasional: Blds
+			
Stratum ID:	218575220	Top Depth m:	0.800000
Bottom Depth m:	1.600000	Stratum Desc:	Brown Sand Trace: Si
+			
Stratum ID:	218575221	Top Depth m:	1.600000
Bottom Depth m:	1.700000	Stratum Desc:	Dark Grey Topsoil Silty Clay Trace: Org M
+			
Stratum ID:	218575222	Top Depth m:	1.700000
Bottom Depth m:	2	Stratum Desc:	Grey-Brown Weathered Crust Silty Clay

42 **1 of 2** **80.0** **ON** **BORE**

Borehole ID:	609759	Type:	Borehole
Use:		Status:	
Drill Method:		UTM Zone:	18
Easting:	428371.000	Northing:	5021082.000
Location Accuracy:		Orig. Ground Elev m:	82.300003
Elev. Reliability Note:		DEM Ground Elev m:	78.900002
Total Depth m:	43.900002	Primary Name:	

Map Key	Number of Records	Elevation m	Site	DB
Township: Lot: Completion Date: 1950-JUL Primary Water Use: Location Description:			Concession: Municipality: Static Water Level: Sec. Water Use:	
--- Details ---				
Stratum ID:	218384005	Top Depth m:	0	
Bottom Depth m:	19.500000	Stratum Desc:	CLAY. BLUE.	
+				
Stratum ID:	218384006	Top Depth m:	19.500000	
Bottom Depth m:	20.100000	Stratum Desc:	SAND.	
+				
Stratum ID:	218384007	Top Depth m:	20.100000	
Bottom Depth m:	21.299999	Stratum Desc:	GRAVEL.	
+				
Stratum ID:	218384008	Top Depth m:	21.299999	
Bottom Depth m:	43.900002	Stratum Desc:	BEDROCK. 00142101IC VELOCITY = 20200. 35 00135022047045000000160000000700 253TE.	
42	2 of 2	80.0	ON	WWIS
Well Id: 1503340 Concession: 03 County: OTTAWA-CARLETON Easting Nad83: 428370.6 Zone: 18 Primary Water Use: Livestock Sec. Water Use: Domestic Pump Rate: Flow Rate: Specific Capacity: Construction Method: Cable Tool Elevation (m): 78.95 Depth to Bedrock: 70 Water Type: FRESH			Lot: 007 Concession Name: CON Municipality: MARCH Northing Nad83: 5021082 Utm Reliability: unknown UTM Construction Date: 28-JUL-50 Well Depth: 70 ft Static Water Level: 20 ft Clear/Cloudy: Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL	
--- Details ---				
Thickness:	64 ft	Original Depth:	64 ft	
Material Colour:	BLUE	Material:	CLAY	
+				
Thickness:	2 ft	Original Depth:	66 ft	
Material Colour:		Material:	MEDIUM SAND	
+				
Thickness:	4 ft	Original Depth:	70 ft	
Material Colour:		Material:	GRAVEL	
+				
Thickness:	74 ft	Original Depth:	144 ft	
Material Colour:		Material:	ROCK	
43	1 of 1	86.0	ON	BORE

Map Key	Number of Records	Elevation m	Site	DB
Borehole ID:	609748		Type:	Borehole
Use:			Status:	
Drill Method:			UTM Zone:	18
Easting:	428261.000		Northing:	5020882.000
Location Accuracy:			Orig. Ground Elev m:	85.300003
Elev. Reliability Note:			DEM Ground Elev m:	86
Total Depth m:	-999.000000		Primary Name:	
Township:			Concession:	
Lot:			Municipality:	
Completion Date:			Static Water Level:	3.400000
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218383980		Top Depth m:	0
Bottom Depth m:	12.200000		Stratum Desc:	CLAY.
+				
Stratum ID:	218383981		Top Depth m:	12.200000
Bottom Depth m:	18.900000		Stratum Desc:	GRAVEL. WATER STABLE AT 269.0 FEET.
+				
Stratum ID:	218383982		Top Depth m:	18.900000
Bottom Depth m:			Stratum Desc:	BEDROCK,GRANITE. 400. BEDROCK. SEISMIC VELOCITY = 14500. GRANITE. 00100VELOCIT

44 **1 of 1** **81.5** **ON** **BORE**

Borehole ID:	803665	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Hollow stem auger	UTM Zone:	18
Easting:	428791.323	Northing:	5020924.960
Location Accuracy:		Orig. Ground Elev m:	81.699997
Elev. Reliability Note:		DEM Ground Elev m:	80.400002
Total Depth m:	8.800000	Primary Name:	BH 2
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	1984-JUN-18	Static Water Level:	1.400000
Primary Water Use:		Sec. Water Use:	
Location Description:			
--- Details ---			
Stratum ID:	218577395	Top Depth m:	0
Bottom Depth m:	0.100000	Stratum Desc:	Crushed Stone
+			
Stratum ID:	218577396	Top Depth m:	0.100000
Bottom Depth m:	0.400000	Stratum Desc:	Brown Fill-Misc Sand
+			
Stratum ID:	218577397	Top Depth m:	0.400000
Bottom Depth m:	0.800000	Stratum Desc:	Dark Brown Fill-Misc Silty Clay Trace: Gr
+			
Stratum ID:	218577398	Top Depth m:	0.800000
Bottom Depth m:	4.100000	Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay

Map Key	Number of Records	Elevation m	Site	DB
<hr/>				
+				
Stratum ID:	218577399		Top Depth m:	4.100000
Bottom Depth m:	8.800000		Stratum Desc:	Grey Firm to Stiff Silty Clay
<hr/>				
45	1 of 1	85.0	ON	<u>BORE</u>
Borehole ID:	803478		Type:	Borehole
Use:	Geotechnical/Geological Investigation		Status:	
Drill Method:	Hollow stem auger		UTM Zone:	18
Easting:	428754.930		Northing:	5020719.157
Location Accuracy:			Orig. Ground Elev m:	83.699997
Elev. Reliability Note:			DEM Ground Elev m:	83.400002
Total Depth m:	7.300000		Primary Name:	BH 18
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1984-JUN-20		Static Water Level:	1.700000
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218576628		Top Depth m:	0
Bottom Depth m:	0		Stratum Desc:	Topsoil
+				
Stratum ID:	218576629		Top Depth m:	0
Bottom Depth m:	1.500000		Stratum Desc:	Brown Compact Fill-Misc Sand - Gravel Occasional: Cob
+				
Stratum ID:	218576630		Top Depth m:	1.500000
Bottom Depth m:	4.300000		Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+				
Stratum ID:	218576631		Top Depth m:	4.300000
Bottom Depth m:	7.300000		Stratum Desc:	Grey Stiff Silty Clay
<hr/>				
46	1 of 1	89.4	ON	<u>BORE</u>
Borehole ID:	803728		Type:	Borehole
Use:	Geotechnical/Geological Investigation		Status:	
Drill Method:	Boring		UTM Zone:	18
Easting:	428289.528		Northing:	5020723.824
Location Accuracy:			Orig. Ground Elev m:	89.199997
Elev. Reliability Note:			DEM Ground Elev m:	88.400002
Total Depth m:	2.300000		Primary Name:	AH 15
Township:			Concession:	
Lot:			Municipality:	
Completion Date:	1984-MAY-3		Static Water Level:	
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218577668		Top Depth m:	0
Bottom Depth m:	0.300000		Stratum Desc:	Topsoil
+				
Stratum ID:	218577669		Top Depth m:	0.300000

Map Key	Number of Records	Elevation m	Site	DB
Bottom Depth m:	2.300000		Stratum Desc:	Brown Till Silt - Sand With: Cl W Gr
47	1 of 1	86.4	RELTEK INC 44 STEACIE DR KANATA ON K2K 2A9	<u>SCT</u>
Established:	1979			
Plant Size (ft²):	6000			
Employment:	7			
--- Details ---				
SIC/NAICS Code:	3577			
Description:	COMPUTER PERIPHERAL EQUIPMENT, NOT ELSEWHERE CLASSIFIED			
+				
SIC/NAICS Code:	3663			
Description:	RADIO AND TELEVISION BROADCASTING AND COMMUNICATIONS EQUIPMENT			
+				
SIC/NAICS Code:	334110			
Description:	Computer and Peripheral Equipment Manufacturing			
+				
SIC/NAICS Code:	334220			
Description:	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
48	1 of 8	81.0	Zarlink Phase 5 400 March Road Kanata ON K2K 3H4	<u>CA</u>
Certificate #:	6681-585KBA			
Application Year:	02			
Issue Date:	5/8/02			
Approval Type:	Industrial air			
Status:	Approved			
Application Type:	Amended CofA			
Client Name:	Zarlink Semiconductor Inc.			
Client Address:	400 March Road			
Client City:	Kanata			
Client Postal Code:	K2K 2W7			
Project Description:	This application is to amend the current Air Certificate of Approval No. 8433-4VAJ5H to reflect an increase in the size of the emergency diesel generator from 100 kW to 150 kW and the change of company name from Mitel Corporation Ltd. to Zarlink Semiconductor Inc.			
Contaminants:				
Emission Control:	No Controls			
48	2 of 8	81.0	400 March Road Kanata ON K2K 3H4	<u>CA</u>
Certificate #:	8433-4VAJ5H			
Application Year:	02			
Issue Date:	5/8/02			
Approval Type:	Industrial air			
Status:	Revoked and/or Replaced			
Application Type:	New Certificate of Approval			
Client Name:	Mitel Corporation Ltd.			
Client Address:	400 March Road			
Client City:	Kanata			
Client Postal Code:	K2K 2W7			
Project Description:	This application is for a Certificate of Approval for one (1) emergency diesel generator, two (2) 720,000 BTU/hr gas-fired water heaters, one (1) gas-fired steam humidifier, and two (2) boilers.			
Contaminants:				

Map Key	Number of Records	Elevation m	Site	DB
Emission Control:				
48	3 of 8	81.0	Kanata Research Park Corporation 400 MARCH ROAD OTTAWA ON	EASR
CofA Number:		R-002-1152484973		
Date:		9/4/2012		
Status:		Registered		
Project Type:		Standby Power System		
48	4 of 8	81.0	Kanata Research Park Corporation 400 MARCH ROAD OTTAWA ON	EASR
CofA Number:		R-003-5152378185		
Date:		9/4/2012		
Status:		Registered		
Project Type:		Heating System		
48	5 of 8	81.0	400 March Road Ottawa ON	EHS
Order No.:		20111213021		
Report Date:		12/20/2011 3:29:00 PM		
Report Type:		Custom Report		
Search Radius (km):		0.25		
Addit. Info Ordered:				
48	6 of 8	81.0	ZARLINK SEMICONDUCTOR INC. 400 March Rd. KANATA ON K2K 3H4	GEN
SIC Code:		334410		
SIC Description:		Semiconductor and Other Electronic Component Manufacturing		
Generator #:		ON2637200		
Approval Yrs:		2011		
--- Details ---				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		331		
Waste Description:		WASTE COMPRESSED GASES		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		113		
Waste Description:		ACID WASTE - OTHER METALS		
+				
Waste Code:		263		
Waste Description:		ORGANIC LABORATORY CHEMICALS		

Map Key	Number of Records	Elevation m	Site	DB
+		121		
Waste Code:		121		
Waste Description:		ALKALINE WASTES - HEAVY METALS		
+		122		
Waste Code:		122		
Waste Description:		ALKALINE WASTES - OTHER METALS		
+		252		
Waste Code:		252		
Waste Description:		WASTE OILS & LUBRICANTS		
+		212		
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
+		312		
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
+		253		
Waste Code:		253		
Waste Description:		EMULSIFIED OILS		
+		213		
Waste Code:		213		
Waste Description:		PETROLEUM DISTILLATES		
+		146		
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+		211		
Waste Code:		211		
Waste Description:		AROMATIC SOLVENTS		
+		145		
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		

48 **7 of 8** **81.0** **ZARLINK SEMICONDUCTOR INC.** [GEN](#)
400 March Rd.
KANATA ON K2K 3H4

SIC Code: 334410
SIC Description: Semiconductor and Other Electronic Component Manufacturing
Generator #: ON2637200
Approval Yrs: 2010

--- Details ---

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS
+
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES
+
Waste Code: 253
Waste Description: EMULSIFIED OILS
+
Waste Code: 211
Waste Description: AROMATIC SOLVENTS
+
Waste Code: 331
Waste Description: WASTE COMPRESSED GASES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+

Map Key	Number of Records	Elevation m	Site	DB
Waste Code:		112		
Waste Description:		ACID WASTE - HEAVY METALS		
+				
Waste Code:		241		
Waste Description:		HALOGENATED SOLVENTS		
+				
Waste Code:		146		
Waste Description:		OTHER SPECIFIED INORGANICS		
+				
Waste Code:		122		
Waste Description:		ALKALINE WASTES - OTHER METALS		
+				
Waste Code:		145		
Waste Description:		PAINT/PIGMENT/COATING RESIDUES		
+				
Waste Code:		113		
Waste Description:		ACID WASTE - OTHER METALS		
+				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
+				
Waste Code:		148		
Waste Description:		INORGANIC LABORATORY CHEMICALS		
+				
Waste Code:		212		
Waste Description:		ALIPHATIC SOLVENTS		
48	8 of 8	81.0	Enablence Technologies Inc. 400 March Rd Kanata ON K2K 3H4	SCT
Established:		01-AUG-04		
Plant Size (ft²):		9137		
Employment:				
--- Details ---				
SIC/NAICS Code:		335920		
Description:		Communication and Energy Wire and Cable Manufacturing		
49	1 of 1	89.1	ON	BORE
Borehole ID:	803729	Type:	Borehole	
Use:	Geotechnical/Geological Investigation	Status:		
Drill Method:	Boring	UTM Zone:	18	
Easting:	428269.121	Northing:	5020705.206	
Location Accuracy:		Orig. Ground Elev m:	88.300003	
Elev. Reliability Note:		DEM Ground Elev m:	88.300003	
Total Depth m:	6.100000	Primary Name:	AH 16	
Township:		Concession:		
Lot:		Municipality:		
Completion Date:	1984-MAY-3	Static Water Level:		
Primary Water Use:		Sec. Water Use:		
Location Description:				
--- Details ---				
Stratum ID:	218577670	Top Depth m:	0	
Bottom Depth m:	0	Stratum Desc:	Topsoil	
+				
Stratum ID:	218577671	Top Depth m:	0	

Map Key	Number of Records	Elevation m	Site	DB
Bottom Depth m:	0.700000		Stratum Desc:	Brown Silt - Sand With: Gr Trace: Cl
+				
Stratum ID:	218577672		Top Depth m:	0.700000
Bottom Depth m:	4.600000		Stratum Desc:	Grey-Brown Weathered Crust Silty Clay
+				
Stratum ID:	218577673		Top Depth m:	4.600000
Bottom Depth m:	6.100000		Stratum Desc:	Grey Silty Clay
50	1 of 1	81.3	ON	<u>BORE</u>
Borehole ID:	609750		Type:	Borehole
Use:			Status:	
Drill Method:			UTM Zone:	18
Easting:	428831.000		Northing:	5020932.000
Location Accuracy:			Orig. Ground Elev m:	80.800003
Elev. Reliability Note:			DEM Ground Elev m:	80.300003
Total Depth m:	-999.000000		Primary Name:	
Township:			Concession:	
Lot:			Municipality:	
Completion Date:			Static Water Level:	9.800000
Primary Water Use:			Sec. Water Use:	
Location Description:				
--- Details ---				
Stratum ID:	218383985		Top Depth m:	0
Bottom Depth m:	24.400000		Stratum Desc:	CLAY.
+				
Stratum ID:	218383986		Top Depth m:	24.400000
Bottom Depth m:			Stratum Desc:	BEDROCK,GRANITE. WATER STABLE AT 233.0 FEET.ITE. 400. BEDROCK. SEISMIC VELOCITY =
51	1 of 1	79.1	340 Legget Drive Ottawa ON	<u>EHS</u>
Order No.:	20110721011			
Report Date:	7/29/2011			
Report Type:	Custom Report			
Search Radius (km):	0.35			
Addit. Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory			
52	1 of 1	80.9	ON	<u>WWIS</u>
Well Id:	1503403		Lot:	006
Concession:	04		Concession Name:	CON
County:	OTTAWA-CARLETON		Municipality:	MARCH
Easting Nad83:	428860.6		Northing Nad83:	5020912
Zone:	18		Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic		Construction Date:	19-JUL-56
Sec. Water Use:			Well Depth:	85 ft
Pump Rate:	4 GPM		Static Water Level:	-2 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Diamond		Flowing (y/n):	Y

Map Key	Number of Records	Elevation m	Site	DB
Elevation (m):	80.42			
Depth to Bedrock:	80			
Water Type:	FRESH			
---	Details ---			
Thickness:	80 ft			
Material Colour:	BLUE			
+				
Thickness:	5 ft			
Material Colour:				
53	1 of 1	89.0	ON	<u>BORE</u>
Borehole ID:	803730			
Use:	Geotechnical/Geological Investigation			
Drill Method:	Boring			
Easting:	428245.012			
Location Accuracy:				
Elev. Reliability Note:				
Total Depth m:	6.100000			
Township:				
Lot:				
Completion Date:	1984-MAY-3			
Primary Water Use:				
Location Description:				
---	Details ---			
Stratum ID:	218577674			
Bottom Depth m:	0.200000			
+				
Stratum ID:	218577675			
Bottom Depth m:	4			
+				
Stratum ID:	218577676			
Bottom Depth m:	6.100000			
54	1 of 2	85.0	ON	<u>BORE</u>
Borehole ID:	609742			
Use:				
Drill Method:				
Easting:	428806.000			
Location Accuracy:				
Elev. Reliability Note:				
Total Depth m:	45.700001			
Township:				
Lot:				
Completion Date:	1952-NOV			
Primary Water Use:				
Location Description:				
---	Details ---			
Stratum ID:	218383965			
Bottom Depth m:	7.600000			

Map Key	Number of Records	Elevation m	Site	DB
<div><div><div><div><div>+</div><div>Stratum ID:218383966</div><div>Bottom Depth m:45.700001</div></div><div><div>Top Depth m:7.600000</div><div>Stratum Desc:GRANITE. 00090285.0 FEET.BEDROCK,SANDSTONE. ITE. WHITE. 0022000180LOCITY = 18200</div></div></div></div></div>				
54	2 of 2	85.0	ON	WWIS
<div><div><div><div><div>Well Id:1503337</div><div>Concession:03</div><div>County:OTTAWA-CARLETON</div><div>Easting Nad83:428805.6</div><div>Zone:18</div><div>Primary Water Use:Domestic</div><div>Sec. Water Use:</div><div>Pump Rate:2 GPM</div><div>Flow Rate:</div><div>Specific Capacity:</div><div>Construction Method:Diamond</div><div>Elevation (m):86.95</div><div>Depth to Bedrock:25</div><div>Water Type:FRESH</div></div><div><div>Lot:006</div><div>Concession Name:CON</div><div>Municipality:MARCH</div><div>Northing Nad83:5020662</div><div>Utm Reliability:unknown UTM</div><div>Construction Date:11-NOV-52</div><div>Well Depth:25 ft</div><div>Static Water Level:8 ft</div><div>Clear/Cloudy:CLEAR</div><div>Final Well Status:Water Supply</div><div>Flowing (y/n):N</div><div>Elevation Reliability:</div><div>Overburden/Bedrock:Bedrock</div><div>Casing Material:OPEN HOLE,STEEL</div></div></div></div><div><div>--- Details ---</div><div><div><div>Thickness:25 ft</div><div>Material Colour:BLUE</div></div><div><div>Original Depth:25 ft</div><div>Material:CLAY</div></div></div><div><div>+</div><div><div>Thickness:125 ft</div><div>Material Colour:</div></div><div><div>Original Depth:150 ft</div><div>Material:GRANITE</div></div></div></div></div>				
55	1 of 1	79.0	ON	BORE
<div><div><div><div><div>Borehole ID:803661</div><div>Use:Geotechnical/Geological Investigation</div><div>Drill Method:Hollow stem auger</div><div>Easting:428859.085</div><div>Location Accuracy:</div><div>Elev. Reliability Note:</div><div>Total Depth m:7.300000</div><div>Township:</div><div>Lot:</div><div>Completion Date:1984-MAY-30</div><div>Primary Water Use:</div><div>Location Description:</div></div><div><div>Type:Borehole</div><div>Status:</div><div>UTM Zone:18</div><div>Northing:5020984.693</div><div>Orig. Ground Elev m:79.400002</div><div>DEM Ground Elev m:79.800003</div><div>Primary Name:BH 1</div><div>Concession:</div><div>Municipality:</div><div>Static Water Level:0.800000</div><div>Sec. Water Use:</div></div></div></div><div><div>--- Details ---</div><div><div><div>Stratum ID:218577383</div><div>Bottom Depth m:0.200000</div></div><div><div>Top Depth m:0</div><div>Stratum Desc:Topsoil</div></div></div><div><div>+</div><div><div>Stratum ID:218577384</div><div>Bottom Depth m:3.600000</div></div><div><div>Top Depth m:0.200000</div><div>Stratum Desc:Grey-Brown Very Stiff Weathered Crust Silty Clay</div></div></div><div><div>+</div><div><div>Stratum ID:218577385</div><div>Bottom Depth m:7.300000</div></div><div><div>Top Depth m:3.600000</div><div>Stratum Desc:Grey Firm to Stiff Silty Clay</div></div></div></div></div>				

Map Key	Number of Records	Elevation m	Site	DB
56	1 of 6	80.0	LISTON ANIMAL HOSPITAL 4055 CARLING AVE. UNIT 5 KANATA ON K2K 2A4	GEN
SIC Code:		541940		
SIC Description:		Veterinary Services		
Generator #:		ON4653811		
Approval Yrs:		07,08		
--- Details ---				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
56	2 of 6	80.0	LISTON ANIMAL HOSPITAL 4055 CARLING AVE. UNIT 5 KANATA ON K2K 2A4	GEN
SIC Code:				
SIC Description:				
Generator #:		ON4653811		
Approval Yrs:		As of Apr 2012		
--- Details ---				
Waste Code:		312		
Waste Description:		Pathological wastes		
56	3 of 6	80.0	LISTON ANIMAL HOSPITAL 4055 CARLING AVE. UNIT 5 KANATA ON	GEN
SIC Code:		541940		
SIC Description:		Veterinary Services		
Generator #:		ON4653811		
Approval Yrs:		2009		
--- Details ---				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
56	4 of 6	80.0	LISTON ANIMAL HOSPITAL 4055 CARLING AVE. UNIT 5 KANATA ON	GEN
SIC Code:		541940		
SIC Description:		Veterinary Services		
Generator #:		ON4653811		
Approval Yrs:		2010		
--- Details ---				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		
56	5 of 6	80.0	LISTON ANIMAL HOSPITAL 4055 CARLING AVE. UNIT 5 KANATA ON	GEN
SIC Code:		541940		
SIC Description:		Veterinary Services		

Map Key	Number of Records	Elevation m	Site	DB
Generator #:		ON4653811		
Approval Yrs:		2011		
--- Details ---				
Waste Code:		312		
Waste Description:		PATHOLOGICAL WASTES		

56	6 of 6	80.0	EmbroidMe Inc. 4055 Carling Ave Unit 4 Kanata ON K2K 2A4	<u>SCT</u>
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Established: 01-SEP-03
Plant Size (ft²):
Employment:

--- Details ---

SIC/NAICS Code:	418990
Description:	All Other Wholesaler-Distributors
+	
SIC/NAICS Code:	418210
Description:	Stationery and Office Supplies Wholesaler-Distributors
+	
SIC/NAICS Code:	323113
Description:	Commercial Screen Printing
+	
SIC/NAICS Code:	323119
Description:	Other Printing
+	
SIC/NAICS Code:	314990
Description:	All Other Textile Product Mills

Unplottable Report

Site: Lot 6 Con 3 Kanata ON

Database:
AAGR

Type: Quarry
Region/County: Ottawa-Carleton
Township: Kanata
Concession: 3
Lot: 6
Size (ha): 2.25
Landuse:
Comments:

Site: City of Ottawa
Carling Avenue (Road allowance) Ottawa ON

Database:
CA

Certificate #: 3615-6QHRAR
Application Year: 2006
Issue Date: 6/13/2006
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: ONTARIO HYDRO, SOUTH MARCH TS
LOT 7, CONC, 3 KANATA CITY ON

Database:
CA

Certificate #: 4-0070-97-
Application Year: 97
Issue Date: 7/17/1997
Approval Type: Industrial wastewater
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: SPILL CONT. FOR TRANSFORMERS T1 & T2
Contaminants:
Emission Control:

Site: L.SIPOLINS
SOUTH OF CARLING AVE. OTTAWA CITY ON

Database:
CA

Certificate #: 7-1008-85-006

Application Year: 85
Issue Date: 11/15/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Carling Ave Ottawa ON

Database:
CA

Certificate #: 2472-8GRQTN
Application Year: 2011
Issue Date: 5/20/2011
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: 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: 1374421 Ontario Ltd.
North Part of Lot 6, Concession III Ottawa ON

Database:
CA

Certificate #: 1907-62VS2P
Application Year: 2004
Issue Date: 7/21/2004
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: **KNL Developments Inc.**
Lot 6 (Concession 3) and 7 (Concession 2 &3) Ottawa ON

Database:
EBR

Year: 2012
EBR Registry No.: 011-5554
Ministry Ref. No.: MNR INST 04/12
Type: Instrument Proposal
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Proposal Date: February 01, 2012
Location: Lot 6 (Concession 3) and 7 (Concession 2 &3), March Township CITY OF OTTAWA
Proponent Address: 2193 Arch Street Ottawa Ontario Canada K1G 2H5

Site:
Carling Ave N Of, Grandview Rd Ottawa ON

Database:
EHS

Order No.: 20051020002
Report Date: 10/18/2005
Report Type: Site Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site:
Carling Ave N of Grandview Dr W Ottawa ON

Database:
EHS

Order No.: 20051017043
Report Date: 10/18/2005
Report Type: Site Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site: **NATIONAL DEFENCE**
SHERLY'S BAY (PROPERTY) OFF CARLING AVE. OTTAWA CITY ON

Database:
SPL

Ref No.: 223921
Incident Dt: 4/11/2002
MOE Reported Dt: 4/11/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: NATIONAL DEFENCE, LEAKING UST, INSTALLED PRE 1980 UNKNOW VOLUME TO GRND
Incident Cause: UNDERGROUND TANK LEAK
Incident Reason: UNKNOWN
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: POSSIBLE

Site: **PUC**
MARCHWOOD TRANSFORMER STATION ON STATION ROAD KANATA CITY ON

Database:
SPL

Ref No.: 37209

Incident Dt: 7/4/1990
MOE Reported Dt: 7/4/1990
Contaminant Name:
Contaminant Quantity:
Incident Summary: KANATA PUC - TRANSFORMER STATION ON FIRE, MAX 20000 L. TRANSF. OIL
Incident Cause: COOLING SYSTEM LEAK
Incident Reason: FIRE/EXPLOSION
Nature of Impact: Human health
Receiving Medium: AIR
Environmental Impact: POSSIBLE

Site: Industry Canada - Communications Research Centre
Carling Avenue (Between Moody and March Road) Ottawa ON

Database:
SPL

Ref No.: 6336-5TMS96
Incident Dt: 11/25/2003
MOE Reported Dt: 11/25/2003
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:
Incident Summary: CRC: Sewage forcemain hit, contained to land
Incident Cause: Valve / Fitting Leak Or Failure
Incident Reason: Error- Operator error
Nature of Impact: Other Impact(s)
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: City of Ottawa
CARLING AVE., IN FRONT OF WESTGATE SHOPPING CENTRE<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No.: 7707-5XRK48
Incident Dt: 4/5/2004
MOE Reported Dt: 4/5/2004
Contaminant Name: COOLANT (N.O.S.)
Contaminant Quantity: 7 L
Incident Summary: OC Transpo, 7 L antifreeze into storm sewer, works
Incident Cause: Pipe Or Hose Leak
Incident Reason: Equipment Failure
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Possible

Site: Carling Ave near Woodroffe Ottawa ON

Database:
SPL

Ref No.: 3016-6UGHU4
Incident Dt: 10/11/2006
MOE Reported Dt: 10/11/2006
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 9 L
Incident Summary: Carling Ave: spill 2 gallons hydraulic oil
Incident Cause:
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: O.C. TRANSPO

Database:

Ref No.: 113894
Incident Dt: 6/1/1995
MOE Reported Dt: 6/1/1995
Contaminant Name:
Contaminant Quantity:
Incident Summary: O.C. TRANSPOR - UNKNOWN AMOUNT OF MOTOR OIL TO RD. & SEWER FROM BUS.
Incident Cause: OTHER CONTAINER LEAK
Incident Reason: EQUIPMENT FAILURE
Nature of Impact: Water course or lake
Receiving Medium: LAND / WATER
Environmental Impact: POSSIBLE

Site: OC TRANSPOR
CARLING AVE. BETWEEN COLE AVE. & MAITLAND AVE. OTTAWA CITY ON

Database:
SPL

Ref No.: 238849
Incident Dt: 9/9/2002
MOE Reported Dt: 9/9/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: OC TRANSIT BUS: 60 L HYDRAULIC OIL TO ROAD & STORM SEWER. CLEANING.
Incident Cause: PIPE/HOSE LEAK
Incident Reason: EQUIPMENT FAILURE
Nature of Impact: Multi Media Pollution
Receiving Medium: LAND, WATER
Environmental Impact: POSSIBLE

Site: ONTARIO HYDRO
SOUTH MARCH TRANSFORMER STATION, MARCH ROAD KANATA CITY ON

Database:
SPL

Ref No.: 128700
Incident Dt: 6/26/1996
MOE Reported Dt: 7/3/1996
Contaminant Name:
Contaminant Quantity:
Incident Summary: ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOIL CONTAINED AND CLEANED UP.
Incident Cause: COOLING SYSTEM LEAK
Incident Reason: OTHER
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: CONFIRMED

Site: OTTAWA-CARLETON TRANSIT
MARCH ROAD, SOUTH OF CARLING OTTAWA CITY ON

Database:
SPL

Ref No.: 222088
Incident Dt: 2/25/2002
MOE Reported Dt: 2/25/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: OC TRANSIT: 2L OF ANTIFREEZE IN THE SEWER, CLEANING
Incident Cause: OTHER CONTAINER LEAK
Incident Reason: MATERIAL FAILURE
Nature of Impact: Water course or lake
Receiving Medium: LAND / WATER
Environmental Impact: POSSIBLE

Site: OTTAWA TRANSIT
CARLING AVENUE OTTAWA ON

Database:
SPL

Ref No.: 187680
Incident Dt: 9/29/2000
MOE Reported Dt: 9/29/2000
Contaminant Name:
Contaminant Quantity:
Incident Summary: OC TRANSPD:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS
NOTIFIED
Incident Cause: PIPE/HOSE LEAK
Incident Reason: UNKNOWN
Nature of Impact: Water course or lake
Receiving Medium: WATER
Environmental Impact: POSSIBLE

Site: HOTEL/MOTEL
CARLING AVENUE OTTAWA CITY ON

Database:
SPL

Ref No.: 84065
Incident Dt: 4/14/1993
MOE Reported Dt: 4/14/1993
Contaminant Name:
Contaminant Quantity:
Incident Summary: EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND
TANK
Incident Cause: UNDERGROUND TANK LEAK
Incident Reason: CORROSION
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: CONFIRMED

Appendix: Database Descriptions

Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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: Up to Sept 2002 Provincial [AAGR](#)
The MAAP Program maintains a database of all 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.

Aggregate Inventory: Up to Aug 2012 Provincial [AGR](#)
The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot/concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mine Information System: 1800-Feb 2013 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.

Anderson's Waste Disposal Sites: 1860s-Present 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.

Automobile Wrecking & Supplies: 2001-Jun 2010 Private [AUWR](#)
This database provides an inventory of all 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.

Borehole: 1875-Aug 2011 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.

Certificates of Approval:

1985-Oct 30, 2011*

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.

Commercial Fuel Oil Tanks:

1948-Apr 2013

Provincial

[CFOT](#)

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Chemical Register:

1992, 1999-Jun 2010

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.).

Inventory of Coal Gasification Plants and Coal Tar Sites:

Apr 1987 and Nov 1988*

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.*

Compliance and Convictions:

1989-Jun 2013

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.

Certificates of Property Use:

1994-Jun 2013

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.

Drill Hole Database:

1986-Jun 2013

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 MNM. 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".

Environmental Activity and Sector Registry:

Oct 31, 2011-Jul 2013

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.

Environmental Registry:

1994-Jun 2013

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.

Environmental Compliance Approval:

Oct 31, 2011-Jul 2013

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 CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Environmental Effects Monitoring:

1992-2007*

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.

ERIS Historical Searches:

1999-Mar 2013

Private

[EHS](#)

EcoLog 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.

Environmental Issues Inventory System:

1992-2001*

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.

List of TSSA Expired Facilities:

Current to Feb 2012

Provincial

[EXP](#)

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Federal Convictions:

1988-Jun 2007*

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.

Contaminated Sites on Federal Land:

June 2000-Jan 2013

Federal

[FCS](#)

The Federal Contaminated Sites Inventory includes information on all 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.

Fisheries & Oceans Fuel Tanks:

1964-Sept 2003

Federal

[FOFT](#)

Fisheries & Oceans Canada maintains an inventory of all 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.

Fuel Storage Tank:

Current to Jun 2011

Provincial

[FST](#)

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Ontario Regulation 347 Waste Generators Summary:

1986-Apr 2012

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.

TSSA Historic Incidents:

2006-June 2009

Provincial

[HINC](#)

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Indian & Northern Affairs Fuel Tanks:

1950-Aug 2003*

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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.

TSSA Incidents:

June 2009-Apr 2013

Provincial

[INC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Landfill Inventory Management Ontario:

2012

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Canadian Mine Locations:

1998-2009

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.

Mineral Occurrences:

1846-Apr 2013

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 planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

National Analysis of Trends in Emergencies System (NATES):

1974-1994*

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.

Non-Compliance Reports:

1992(water only), 1994-2010

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.

<u>National Defence & Canadian Forces Fuel Tanks:</u>	Up to May 2001*	Federal	NDFT
The Department of National Defence 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.			
<u>National Defence & Canadian Forces Spills:</u>	Mar 1999-Aug 2010	Federal	NDSP
The Department of National Defence 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.			
<u>National Defence & Canadian Forces Waste Disposal Sites:</u>	2001-Apr 2007*	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.			
<u>National Environmental Emergencies System (NEES):</u>	1974-2003*	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 all 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.			
<u>National PCB Inventory:</u>	1988-2008*	Federal	NPCB
Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all 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.			
<u>National Pollutant Release Inventory:</u>	1993-2011	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.			
<u>Oil and Gas Wells:</u>	1988-Jun 2013	Private	OGW
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 .			

Ontario Oil and Gas Wells:

1800-Jul 2013

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, well cap date, licence 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.

Inventory of PCB Storage Sites:

1987-Oct 2004

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.

Orders:

1994-Jun 2013

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.

Canadian Pulp and Paper:1999, 2002, 2004, 2005,
2009

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.

Parks Canada Fuel Storage Tanks:

1920-Jan 2005*

Federal

[PCFT](#)

Canadian Heritage maintains an inventory of all 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.

Pesticide Register:

1988-Jun 2013

Provincial

[PES](#)

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

TSSA Pipeline Incidents:

June 2009-Mar 2012

Provincial

[PINC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Private and Retail Fuel Storage Tanks:

1989-1996*

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).

Permit to Take Water:

1994-Jun 2013

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.

Ontario Regulation 347 Waste Receivers Summary: 1986-2011 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.

Record of Site Condition: 1997-Sept 2001, Oct 2004-Jun 2013 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).

Retail Fuel Storage Tanks: 1999-Jun 2010 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.

Scott's Manufacturing Directory: 1992-Mar 2011 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.

Ontario Spills: 1988-Aug 2012 Provincial [SPL](#)
 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.

Wastewater Discharger Registration Database: 1990-2011 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).

Anderson's Storage Tanks: 1915-1953* 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.

Transport Canada Fuel Storage Tanks: 1970-Mar 2007 Federal [TCFT](#)
 With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

TSSA Variances for Abandonment of Underground Storage Tanks:

Current to Jun 2013

Provincial

[VAR](#)

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Waste Disposal Sites - MOE CA Inventory:

1970-Jul 2013

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.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Up to Oct 1990*

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Water Well Information System:

1955-May 2013

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.

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.

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, within the report search radius, and the surrounding area outside the search radius.

'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 upside down 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 were included as reference.

APPENDIX D
CITY DIRECTORY RECORDS

E R i S

ENVIRONMENTAL RISK INFORMATION SERVICE

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

PROJECT NUMBER: 20130806003	
Site Address:	401 March Rd. (Kanata) Ottawa, ON
Year: 2010	
Site Listing:	-Address Not Listed
Adjacent Properties:	
329 March Road	-Multi Tenant Commercial/Office
360 March Road	-Multi Tenant Office
365 March Road	-Innovapost
413 March Road	-Best Theratronics
28 Steacie Drive	-Address Not Listed
44 Steacie Drive	-Address Not Listed
62 Steacie Drive	-Elliptic Semiconductor -Golder Assoc.
4048 Carling Avenue	-March Road Physiotherapy

PROJECT NUMBER: 20130806003	
Site Address:	401 March Rd. (Kanata) Ottawa, ON
Year: 2004/05	
Site Listing:	-Address Not Listed
Adjacent Properties:	

329 March Road	-Multi Tenant Commercial/Office
360 March Road	-Royal Bank
365 March Road	-Cisco Systems
413 March Road	-Best Theratronics
28 Steacie Drive	-Kids R Unique
44 Steacie Drive	-Address Not Listed
62 Steacie Drive	-Optotek Ltd.
4048 Carling Avenue	-Address Not Listed

PROJECT NUMBER: 20130806003	
Site Address:	401 March Rd. (Kanata) Ottawa, ON
Year: 1999/2000	
Site Listing:	-Address Not Listed
Adjacent Properties:	
329 March Road	-Multi Tenant Commercial/Office
360 March Road	-Address Not Listed
365 March Road	-Address Not Listed
413 March Road	-Best Theratronics
28 Steacie Drive	-Control Microsystems
44 Steacie Drive	-Reltek Inc.
62 Steacie Drive	-Optotek Ltd.
4048 Carling Avenue	-Address Not Listed

PROJECT NUMBER: 20130806003	
------------------------------------	--

Site Address:	401 March Rd. (Kanata) Ottawa, ON
Year: 1994/95	
Site Listing:	-Address Not Listed
Adjacent Properties:	
329 March Road	-Multi Tenant Commercial/Office
360 March Road	-Address Not Listed
365 March Road	-Spar Aerospace
413 March Road	-Theratronics Int'l
28 Steacie Drive	-Control Microsystems
44 Steacie Drive	-Advanced Circuit Systems
62 Steacie Drive	-Optotek
4048 Carling Avenue	-Address Not Listed

PROJECT NUMBER: 20130806003	
Site Address:	401 March Rd. (Kanata) Ottawa, ON
Year: 1992	
Site Listing:	-Address Not Listed
Adjacent Properties:	
329 March Road	-Multi Tenant Commercial/Office
360 March Road	-Address Not Listed
365 March Road	-Spar Aerospace
413 March Road	-Theratronics Int'l
28 Steacie Drive	-Control Microsystems

44 Steacie Drive	-Advanced Circuit Systems
62 Steacie Drive	-Optotek
4048 Carling Avenue	-Address Not Listed

-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 2010 within the city directory archives*****

APPENDIX E
TECHNICAL STANDARDS AND SAFETY AUTHORITY
SEARCH RESULTS

Subject: Re: Search for USTs and Incidents

From: Public Information Services <publicinformationservices@tssa.org>

Date: 29/08/2013 3:44 PM

To: Brett Painter <bpainter@hceng.ca>

Hi Brett,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thank you and have a great day!

Regards,

Sarah Quibell

Public Information Services

TECHNICAL STANDARDS & SAFETY AUTHORITY

"Putting Public Safety First"

14th Floor, Centre Tower

3300 Bloor Street West

Toronto, ON M8X 2X4

www.tssa.org

Toll-Free: 1-877-682-8772

On Thu, Aug 29, 2013 at 3:28 PM, Brett Painter <bpainter@hceng.ca> wrote:

Thanks for the prompt reply. Could you please also search 401 March Road.

Thanks,

Brett Painter, B.Sc., M.Sc.

Environmental Scientist

T [613.836.1422 ext. 258](tel:613.836.1422) | F [613.836.9731](tel:613.836.9731)

bpainter@hceng.ca



Houle Chevrier Engineering Ltd.

180 Wescar Lane, R.R. 2,

Carp, Ontario K0A 1L0

www.hceng.ca

This email is directed in confidence solely to the person(s) to whom it was addressed and may contain privileged, confidential or private information that is not to be disclosed. If you are not the addressee or an authorized representative thereof, please contact the sender and delete this email and any attachments. Houle Chevrier Engineering Ltd. does not accept liability for any damage caused by any virus transmitted by this email. It is the recipients' responsibility to screen this email and its attachments for viruses prior to opening them.



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[Follow us](#)

On 29/08/2013 2:57 PM, Public Information Services wrote:

Hi Brett;

Thank you for your inquiry..

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationsservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Thank you and have a great day!

Prem

Public Information Services

"Putting Public Safety First"

Technical Standards and Safety Authority

14th Floor, Centre Tower

3300 Bloor Street West

Toronto, ON M8X 2X4

Toll-Free: [1-877-682-8772](tel:1-877-682-8772)

Email: publicinformationsservices@tssa.org

Web Site: www.tssa.org

On Thu, Aug 29, 2013 at 2:29 PM, Brett Painter <bpainter@hceng.ca> wrote:

Hi,

Could you please perform a search for Storage Tanks and incidents at the following addresses. Our reference number for this project is: 13-340.

329, 360, 365, 390, 400, 413 March Road and 28, 44, 62 Steacie Drive in Ottawa, Ontario.

--

Regards,

Brett Painter, B.Sc., M.Sc.

Environmental Scientist

T [613.836.1422](tel:613.836.1422) ext. 258 | F [613.836.9731](tel:613.836.9731)

bpainter@hceng.ca



Houle Chevrier Engineering Ltd.

180 Wescar Lane, R.R. 2,

Carp, Ontario K0A 1L0

www.hceng.ca

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This electronic message and any attached documents are intended only for the named recipients.

This communication from the Technical Standards and Safety Authority may contain information

that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed,

copied, forwarded or distributed without authorization. If you have received this message in error,

APPENDIX F
CITY OF OTTAWA
FREEDOM OF INFORMATION REQUEST



File Number: C10-01-13-0194

August 15, 2013

Brett Painter
Houle Chevrier Engineering Ltd.
180 Wescar Lane, R.R. 2
Carp, ON K0A 1L0

Sent via email [bpainter@hceng.ca]

Dear Mr. Painter,

**Re: Information Request – Ref. No. 13-340
401 March Road, Ottawa, Ontario (“Subject Property”)**

Internal Department Circulation

The Planning and Growth Management Department has the following information in response to your request for information regarding the Subject Property:

- No information was returned on the Subject Property from Departmental circulation.

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City’s Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 50m of the Subject Property. The following information was revealed:

- There are 3 activities associated with properties located within 50m of the Subject Property: Activity Numbers 13157, 8891 & 5003.

*Shaping our future together
Ensemble, formons notre avenir*

City of Ottawa
Infrastructure Services and Community
Sustainability Department
Planning and Growth Management Branch

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 14743
Fax: (613) 560-6006
www.ottawa.ca

Ville d'Ottawa
Services d'infrastructure et Viabilité des
collectivités
Direction de l'approbation des demandes
d'aménagement et d'infrastructure

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 14743
Télééc: (613) 560-6006
www.ottawa.ca

A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above.

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 for additional information.

If you have any further questions or comments, please contact Dilys Huang at 613-580-2424 ext. 14743 or HLUI@ottawa.ca.

Sincerely,



David Wise, MUP, MCIP, RPP
Program Manager
Development Review (Suburban Services) - West
Planning and Growth Management Department

DW/DH

Attach: 4

cc: File no. C10-01-13-0194



CITY OF OTTAWA

HLUI ID: __670ISZ

AREA (Square Metres): 73040.362

Report: RPTC_OT_DEV0122

Run On: 06 Aug 2013 at: 13:31:01

Study Year
1998

PIN
045180049

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 13157 **Multiple PINS:** Y
PIN Certainty: 1 **Previous Activity ID(s) :** 6598
Related PINS: 045180037
Name: THERATRONICS INTERNATIONAL LIMITED
Address: 413 MARCH ROAD, KANATA
Facility Type: Machine Shop Industry
Comments 1:
Comments 2:
Generator Number: ON1038900
Storage Tanks:
HL References 1: KNBPmap 1996, 1998 KBD; PID1994
HL References 2:
HL References 3: 2000 PID

NAICS	SIC
621510	868
332710	308
336310	308
332710	0
336350	0
333619	0
333619	308
336310	0
336350	308
621990	868

Company Name

Theratronics International Ltd.

THERATRONICS INTERNATIONAL LIMITED

Atomic Medical

Year of Operation

c. 1994-1998

c. 2000

c. 1994



CITY OF OTTAWA
HLUI ID: __679BMB
AREA (Square Metres): 62147.113

Report: RPTC_OT_DEV0122
Run On: 06 Aug 2013 at: 13:31:50

Study Year
2005

PIN
045180037

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8891 Multiple PINS: Y

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 045180037

Name: MDS NORDION

Address: 413 MARCH ROAD, KANATA

Facility Type: Machine Shop Industry

Comments 1:

Comments 2:

Generator Number: ON1141701

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
333619	0
336350	0
336310	0
332710	0

Company Name

MDS NORDION

Year of Operation

c. 2000



CITY OF OTTAWA
HLUI ID: __679GEW
AREA (Square Metres): 30358.939

Report: RPTC_OT_DEV0122
Run On: 06 Aug 2013 at: 13:31:58

Study Year
1998

PIN
045110001

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 5003 Multiple PINS: N
PIN Certainty: 1 Previous Activity ID(s) : 4580
Related PINS: 045110001
Name: DRS TECHNOLOGIES CANADA COMPANY
Address: 365 MARCH ROAD, KANATA
Facility Type: Communication and Other Electronic Equipment Industries
Comments 1:
Comments 2:
Generator Number: ON2304801
Storage Tanks:
HL References 1: SC98, 1986 KP File LHK, 1998 KBD
HL References 2:
HL References 3: 2000 PID

NAICS	SIC
334210	335
334410	335
336410	321
334210	0
334220	335
334511	335
336320	321
334511	0

Company Name

Spar Aerospace Ltd.

DRS TECHNOLOGIES CANADA COMPANY

Year of Operation

c. 1986-1998

c. 2000

APPENDIX G
AERIAL PHOTOGRAPHS
NATIONAL AIR PHOTO LIBRARY



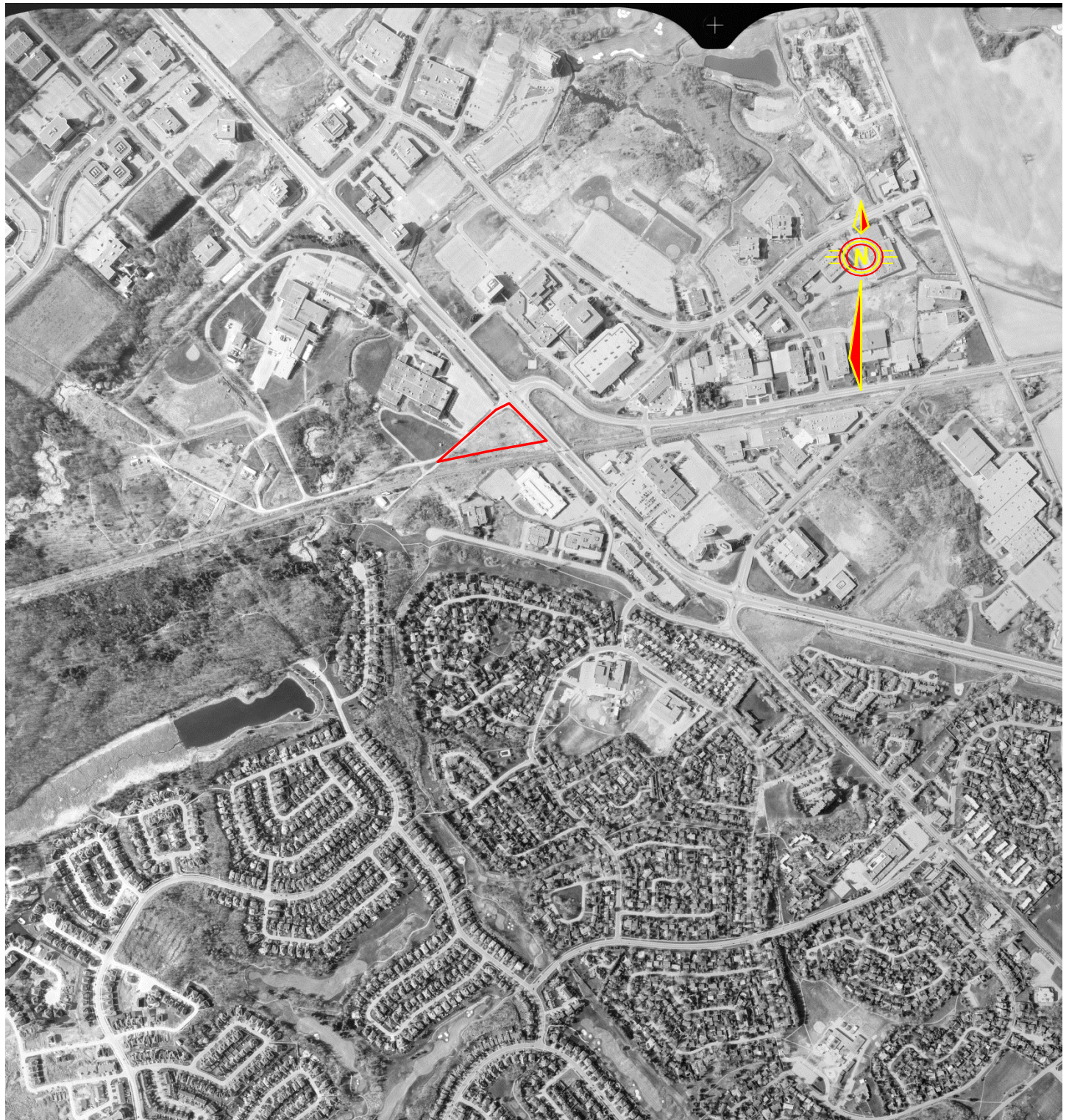








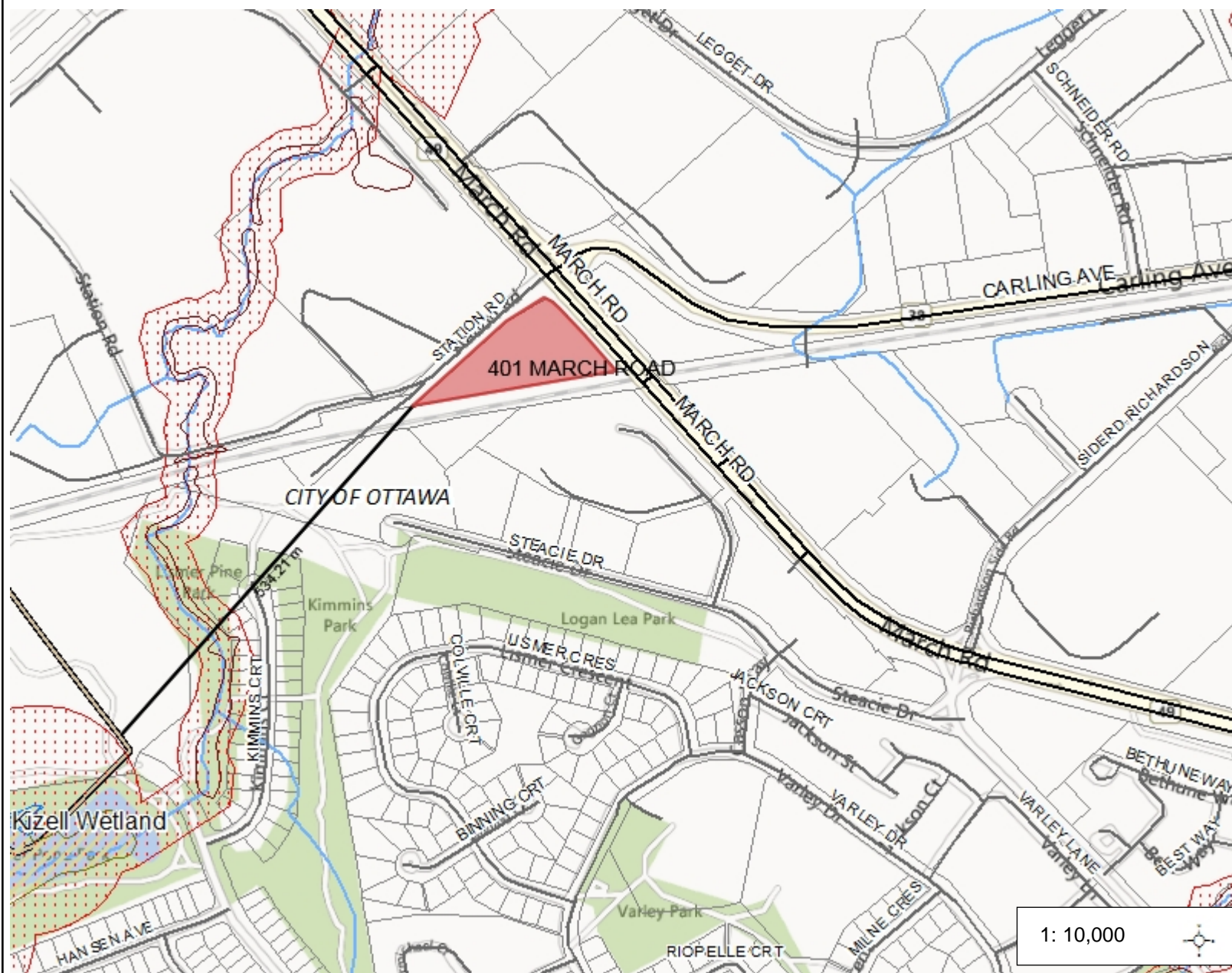
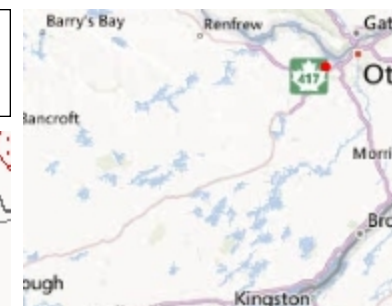




APPENDIX H
MISSISSIPPI VALLY CONSERVATION
AUTHORITY MAPPING
PSWs AND ANSIs



MVC Map Output - Landscape



Legend

- Communities
- Main Roads
- Freeways
- Highways
- Local Streets
- Floodplain
- MVC Regulation Extent
- Provincially Significant Wetland
- Lot and Concession
- Wetland
- Waterbodies
- Streams
- Areas of Natural and Scientific
- MVC Conservation Areas
- Assessment Parcels
- Municipalities
- Mississippi Valley Conservatio

1: 10,000



0.5 0 0.25 0.5 Kilometers

Notes

September 2013

Our Ref: 13-340

APPENDIX I
MOE WELL RECORDS

Well Computer Print Out Data as of August 8 2013

Page: 1 / 2

TOWNSHIP CONCESSION (LOT)	UTM ¹	DATE ² CNTR ³	CASING DIA ⁴	WATER ^{5,6} DETAIL	STAT LVL/PUMP LVL ⁷ RATE ⁸ /TIME HR:MIN	WATER USE ⁹	SCREEN INFO ¹⁰	WELL # (AUDIT#) WELL TAG # STATE ¹² DEPTHS TO WHICH FORMATIONS EXTEND ^{5,11}
MARCH TOWNSHIP CON 03(006)	18 428806 5020662 W	1952/11 1802	04 02	FR 0090	008 / 025 002 / 5:0	DO		1503337 () BLUE CLAY 0025 GRNT 0150
MARCH TOWNSHIP CON 03(007)	18 428371 5021082 W	1950/07 4832	05 05	FR 0142	020 / / :0	ST DO		1503340 () BLUE CLAY 0064 MSND 0066 GRVL 0070 ROCK 0144
MARCH TOWNSHIP CON 03(007)	18 428281 5020867 W	1965/06 4216	05 05	FR 0130	009 / 058 010 / 8:0	PS		1503342 () CLAY 0040 GRVL 0062 GREY GRNT 0085 MSND 0086 RED GRNT 0130
MARCH TOWNSHIP CON 04(006)	18 428916 5020912 W	1952/06 1802	03 03	FR 0032	/ 008 / 2:0	DO		1503399 () BLUE CLAY 0030 GRNT 0033
MARCH TOWNSHIP CON 04(006)	18 428861 5020912 W	1956/07 1802	03 03	FR 0083	-002 / 005 004 / 2:0	DO		1503403 () BLUE CLAY 0080 GRNT 0085
MARCH TOWNSHIP CON 04(006)	18 428641 5020982 W	1966/06 1603	03 03	FR 0150	006 / 030 004 / 3:0	DO		1503406 () CLAY 0083 GREY GRNT 0152
MARCH TOWNSHIP ()	18 428631 5020795 W	2010/10 7241	02				14 20	7155871 (Z120949) A104508 BRWN LOAM SOFT WBRG 0002 BRWN CLAY SOFT WBRG 0012 GREY CLAY SOFT WBRG 0034
MARCH TOWNSHIP ()	18 428668 5020821 W	2010/10 7241	02			MN	9 15	7155872 (Z120994) A104487 BRWN LOAM GRVL SOFT 0002 GREY CLAY SOFT WBRG 0012 GREY SOFT WBRG 0024
MARCH TOWNSHIP ()	18 428665 5020758 W	2010/10 7241	02				9 15	7155873 (Z120961) A104488 BLCK LOAM SOFT DRY 0002 BRWN CLAY SILT DRY 0011 GREY CLAY SOFT 0016 GREY CLAY SOFT WBRG 0029
MARCH TOWNSHIP ()	18 428732 5020722 W	2010/10 7241	02				13 21	7155874 (Z120959) A104489 BRWN GRVL SAND SOFT 0003 BRWN CLAY SILT SOFT 0011 GREY CLAY SOFT 0016 GREY CLAY SOFT WBRG 0034

Notes:

1. UTM in Zone, Easting, Northing and Datum is NAD83; L: UTM estimated from Centroid of Lot; W: UTM not from Lot Centroid
2. Date Work Completed
3. Well Contractor Licence Number
4. Casing diameter in inches
5. Unit of Depth in Feet
6. See Table 4 for Meaning of Code
7. STAT LVL: Static Water Level in Feet ; PUMP LVL: Water Level After Pumping in Feet
8. Pump Test Rate in GPM, Pump Test Duration in Hour : Minutes
9. See Table 3 for Meaning of Code
10. Screen Depth and Length in feet
11. See Table 1 and 2 for Meaning of Code
12. A: Abandonment; P: Partial Data Entry Only

1. Core Material and Descriptive terms											
Code	Description	...	Code	Description	...	Code	Description	...	Code	Description	...
BLDR	BOULDERS		FCRD	FRACTURED		IRFM	IRON FORMATION		PORS	POROUS	
BSLT	BASALT		FGRD	FINE-GRAINED		LIMY	LIMY		PRDG	PREVIOUSLY DUG	
CGRD	COARSE-GRAINED		FGVL	FINE GRAVEL		LMSN	LIMESTONE		PRDR	PREV. DRILLED	
CGVL	COARSE GRAVEL		FILL	FILL		LOAM	TOPSOIL		QRTZ	QUARTZITE	
CHRT	CHERT		FLDS	FELDSPAR		LOOS	LOOSE		QSND	QUICKSAND	
CLAY	CLAY		FLNT	FLINT		LTCL	LIGHT-COLOURED		QTZ	QUARTZ	
CLN	CLEAN		FOSS	FOSILIFEROUS		LYRD	LAYERED		ROCK	ROCK	
CLYY	CLAYEY		FSND	FINE SAND		MARL	MARL		SAND	SAND	
CMTD	CEMENTED		GNIS	GNEISS		MGRD	MEDIUM-GRAINED		SHLE	SHALE	
CONG	CONGLOMERATE		GRNT	GRANITE		MGVL	MEDIUM GRAVEL		SHLY	SHALY	
CRYS	CRYSTALLINE		GRSN	GREENSTONE		MRBL	MARBLE		SHRP	SHARP	
CSND	COARSE SAND		GRVL	GRAVEL		MSND	MEDIUM SAND		SHST	SCHIST	
DKCL	DARK-COLOURED		GRWK	GREYWACKE		MUCK	MUCK		SILT	SILT	
DLMT	DOLOMITE		GVLY	GRAVELLY		OBDN	OVERBURDEN		SLTE	SLATE	
DNSE	DENSE		GYPS	GYPSUM		PCKD	PACKED		SLTY	SILTY	
DRTY	DIRTY		HARD	HARD		PEAT	PEAT		SNDS	SANDSTONE	
DRY	DRY		HPAN	HARDPAN		PGVL	PEA GRAVEL		SNDY	SANDY	

2. Core Color	
Code	Description
WHIT	WHITE
GREY	GREY
BLUE	BLUE
GREN	GREEN
YLLW	YELLOW
BRWN	BROWN
RED	RED
BLCK	BLACK
BLGY	BLUE-GREY

3. Water Use			
Code	Description	Code	Description
DO	Domestic	OT	Other
ST	Livestock	TH	Test Hole
IR	Irrigation	DE	Dewatering
IN	Industrial	MO	Monitoring
CO	Commercial		
MN	Municipal		
PS	Public		
AC	Cooling And A/C		
NU	Not Used		

4. Water Detail			
Code	Description	Code	Description
FR	Fresh	GS	Gas
SA	Salty	IR	Iron
SU	Sulphur		
MN	Mineral		
UK	Unknown		

APPENDIX J
SITE PHOTOGRAPHS



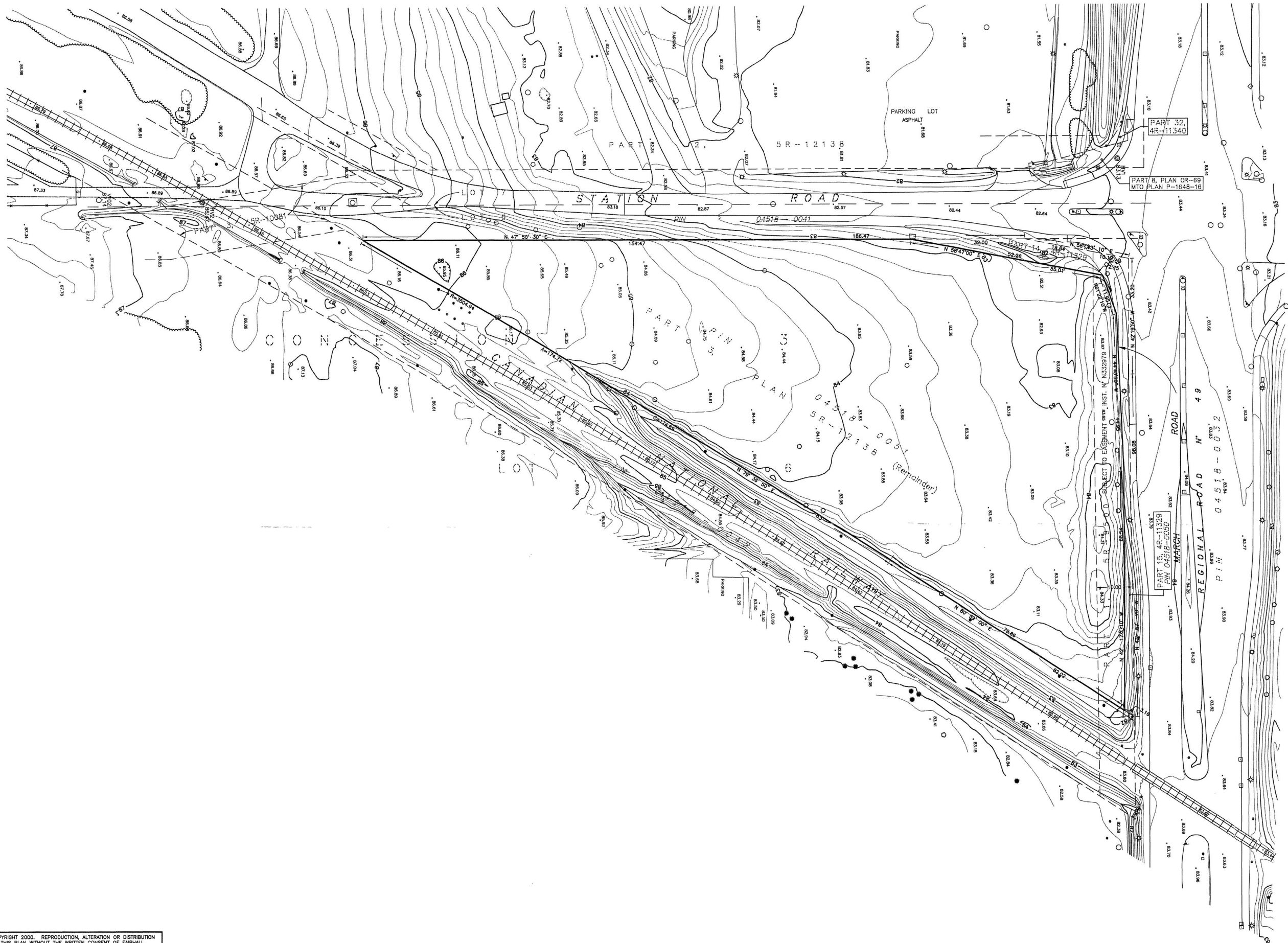






APPENDIX K
PLAN OF SURVEY

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



PLAN OF
PART OF LOT 6
CONCESSION 3
TOWNSHIP OF MARCH
Now In The CITY OF KANATA
REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

SCALE 1 : 500
0 10 20 50 metres

FAIRHALL, MOFFATT & WOODLAND LIMITED
ONTARIO LAND SURVEYORS

BEARING NOTE
BEARINGS ARE GRID BEARINGS AND ARE REFERRED TO THE CENTRAL MERIDIAN OF ZONE 9 OF THE ONTARIO COORDINATE SYSTEM, LONGITUDE 76° 30' W.

- NOTES**
1. TOPOGRAPHICAL DETAIL WAS DERIVED BY DIGITAL PHOTODIAGRAMMETRIC COMPILATION USING 1:2400 AERIAL PHOTOGRAPHY DATED NOVEMBER 14, 1998.
 2. UNLESS OTHERWISE INDICATED, WALKWAYS AND PARKING LOTS ARE ASPHALT.
 3. NOT ALL SMALL SIGNS HAVE BEEN SHOWN.
 4. BOUNDARY INFORMATION WAS COMPILED FROM LAND REGISTRY OFFICE RECORDS.

- ELEVATION NOTES**
1. ELEVATIONS SHOWN HEREON ARE REFERRED TO GEODETIC DATUM (CGVD28).
 2. CONTOUR INTERVAL IS 0.25 METRE.

LEGEND	
● POLE	PAVED ROAD
○ POST	LOOSE ROAD
⊕ LIGHT STANDARD	PAVED DRIVE
⌒ CULVERT	LOOSE DRIVE
○ MANHOLE	DITCH / STREAM
□ CATCH BASIN	SHORELINE
⊕ FIRE HYDRANT	PILES
● ○ TREE CONIF/DECID	INDEX CONTOUR
WOODED AREA	125
SPOT ELEVATION	INTERMEDIATE CONTOUR

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**Fairhall
Moffatt &
Woodland**
LIMITED
ONTARIO LAND SURVEYORS

OTTAWA KANATA

JOB No.
B 4 6 2 0 0

FILE No.
155

REFERENCE No.
155 - 3-MARCH

8/1/00/1846200 13/11/2000
B46200.dwg (1d)

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