

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Phase I - Environmental Site Assessment

Commercial Property
2946-2948 Baseline Road
Ottawa, Ontario

Prepared For

Brigil Platinum

Paterson Group Inc.

Consulting Engineers
28 Concourse Gate - Unit 1
Ottawa (Nepean), Ontario
Canada K2E 7T7

Tel: (613) 226-7381
Fax: (613) 226-6344
www.patersongroup.ca

December 1, 2010

Report: PE2176-1

TABLE OF CONTENTS

| | PAGE |
|--|-------------|
| EXECUTIVE SUMMARY | ii |
| 1.0 INTRODUCTION | 1 |
| 2.0 SITE INFORMATION | 1 |
| 3.0 SCOPE OF WORK | 2 |
| 4.0 METHOD OF INVESTIGATION | |
| 4.1 Historical Research | 3 |
| 4.2 Field Assessment | 4 |
| 5.0 FINDINGS OF THE ENVIRONMENTAL ASSESSMENT | |
| 5.1 Historical Review | 5 |
| 5.2 Exterior Assessment | 8 |
| 5.3 Interior Assessment | 9 |
| 5.4 Adjacent Properties | 11 |
| 6.0 ASSESSMENT AND RECOMMENDATIONS | |
| 6.1 Assessment | 12 |
| 6.2 Recommendations | 12 |
| 7.0 STATEMENT OF LIMITATIONS | 13 |

APPENDIX

Aerial Photographs
EcoLog ERIS Search Results
Figure 1 - Key Plan
Drawing No. PE2176-1 - Site Plan

EXECUTIVE SUMMARY

Assessment

A Phase I - Environmental Site Assessment was carried out for the commercial property located at 2946-2948 Baseline Road, in the City of Ottawa, Ontario. The purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

The historical research indicated that the subject site was vacant prior to being developed with the existing commercial building prior to 1978. The site has been occupied by commercial tenants since construction. The area east of the site has been used as an equipment rental facility since the 1960's until recently. A small scale sand pit operation appeared to be present on the south portion of the site and the adjacent property to the east in the 1960's.

Following the historical review, a site visit was conducted. The subject site is occupied by Bouclair, Quickie Convenience, Fat Albert's Restaurant, Appletree Medical and dentists, who use the building for retail or commercial office space. The neighbouring properties to the north, west and south of the site are used for residential purposes. Vacant equipment rental facility is located to the east of the subject site. However, given the remedial and exploratory work that was conducted at this property by Paterson, this site is not anticipated to pose a risk to the subject land.

Based on the findings of this assessment, **it is our opinion that a Phase II - Environmental Site Assessment will not be required for the property at this time.**

Recommendations

Hazardous Building Materials

As discussed in Section 5.3 of this report, asbestos may be present within the vinyl floor tiles, suspended ceiling tiles and the drywall joint compound throughout site building. These materials were generally in good condition. The encapsulation, handling or removal of asbestos containing material should be carried out by a contractor specialized for these works.

Lead-based paints may be present on original painted surfaces.

A designated substance survey (DSS) of the site building will be required prior to demolition in accordance with the Occupational Health and Safety Act. If the building is not going to be demolished, an Asbestos Survey of the building should be conducted as per O. Reg. 278/05.

1.0 INTRODUCTION

At the request of Brigil Platinum, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (ESA) of the commercial property located at 2946-2948 Baseline Road, in the City of Ottawa, Ontario.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all of our findings and results of the environmental conditions at this site.

2.0 SITE INFORMATION

Address: 2946-2948 Baseline Road, Ottawa, Ontario.

Location: Located on the south side of Baseline Road, east of Sandcastle Drive, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Appendix for the site location.

Legal Description: Part 1 on Registered Plan 4R1721, Part of Lot 35, concession 3, Rideau Front Property, in the City of Ottawa.

Latitude and Longitude: 45° 20' 06" N, 75° 47' 58" W

Site Description:

Configuration: Rectangular.

Area: 1.23 hectares (approximate).

Current Use: The subject site is currently occupied by a two (2) storey slab-on-grade commercial building. The building is occupied by Bouclair, Quickie Convenience, Fat Albert's Restaurant, Appletree Medical and dentists, who use the building for retail or commercial office space.

Services: The subject site is located in a municipally serviced area.

3.0 SCOPE OF WORK

The scope of work for this Phase I - Environmental Site Assessment was as follows:

- ☐ Investigate the existing conditions present at the subject site by carrying out a field study and historical review in accordance with CSA Z768-01.
- ☐ Present the results of our findings in a comprehensive report.
- ☐ Provide a preliminary environmental site evaluation based on our findings.
- ☐ Provide preliminary remediation recommendations and further investigative work if contamination is encountered or suspected.

4.0 METHOD OF INVESTIGATION

4.1 Historical Research

The methodology for the Phase I - Environmental Site Assessment program was carried out in two segments. The first consisted of a historical review which included a brief research of the past use of the site. This portion of the program was carried out by Paterson personnel from the Environmental Division. The following is a list of the key information sources reviewed by our firm.

Federal Records

- ☐ Air photos at the Energy Mines and Resources Air Photo Library.
- ☐ National Archives.
- ☐ Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
- ☐ PCB Waste Storage Site Inventory.

Provincial Records

- ☐ MOE document titled "Waste Disposal Site Inventory in Ontario".
- ☐ MOE Brownfields Environmental Site Registry.
- ☐ Office of Technical Standards and Safety Authority, Fuels Safety Branch.

Municipal Records

- ☐ The Corporation of the City of Ottawa.
- ☐ Intera Technologies Limited Report "Mapping and Assessment of Former Industrial Sites, City of Ottawa".
- ☐ City of Ottawa document entitled "Old Landfill Management Strategy; Phase 1 - Identification of Sites, City of Ottawa, Ontario"; finalised October 2004.

Local Information Sources

- ☐ Personal interviews.
- ☐ Ecolog Environmental Risk Information Services Ltd.
- ☐ Previous Engineering Reports.

4.2 Field Assessment

The second segment of the Phase I - ESA consisted of a site visit which included a cursory assessment of the environmental conditions of the subject property. The field assessment was carried out on November 29, 2010, by personnel from the Environmental Division.

As part of the field assessment, the site and existing structure were inspected for signs of the following:

- ☐ Evidence of previous or existing fuel storage tanks.
- ☐ On-site use or storage of hazardous materials.
- ☐ On-site handling or disposal of liquid or solid waste materials.
- ☐ Above-ground piping systems, including pumps, valves and joints.
- ☐ Truck or rail loading or unloading areas.
- ☐ Electrical conduits, abandoned pipelines or pumping stations.
- ☐ Remnants of old buildings.
- ☐ Signs of surficial contamination (ie. staining, distressed vegetation).
- ☐ Unnaturally discoloured, ponded or flowing waters.
- ☐ Surficial drainage, wetlands, natural waterways or watercourses through the properties (i.e. ditches, creeks, ponds, poor drainage).
- ☐ Any evidence of potable water supply wells or groundwater monitoring wells (such as leak detection monitoring wells for underground storage tank systems, or abandoned systems).
- ☐ Any abnormal odours associated with the site, whether from on-site or off-site sources.
- ☐ The presence of any recent soil disturbances such as soil removal, filling, tilling, grading, etc.
- ☐ Asbestos containing materials (ACMs).
- ☐ Urea formaldehyde foam insulation (UFFI).
- ☐ PCB containing products.
- ☐ Ozone depleting substances (ODS).
- ☐ Lead-containing materials.
- ☐ Current use of neighbouring properties.

5.0 FINDINGS OF THE ENVIRONMENTAL ASSESSMENT

5.1 Historical Review

Air Photo Research

Historical air photos from the National Air Photo Library were reviewed. Based on the review, the following observations have been made:

- | | |
|------|--|
| 1951 | The subject site is vacant and the neighbouring properties are vacant and/or appear to have been used as agricultural land. Baseline Road is present to the north of the site. What appears to be a railway line is present further south of the site. |
| 1963 | Significant soil disturbance (possibly sand excavation) is present on the south portion of the site. What appear to several access roads are present leading to the area of soil disturbance. Industrial operations are present to the east of the site. |
| 1978 | The site appears to have been developed with the present day commercial building. The properties north of Baseline Road have been developed with residential dwellings. |
| 1983 | The neighbouring properties to the south and west appear to have been graded. Increased residential development is apparent to the north of Baseline Road. No other significant changes have been made to the subject site or neighbouring properties. |
| 1996 | The property further to the east of the site appears to have been developed with the present day office towers and parking garage. The properties to the south and west have been developed for residential uses. No other significant changes were made to the subject site or neighbouring properties. |
| 2002 | No significant changes had been made to the subject site or neighbouring properties. |
| 2008 | (City of Ottawa Website) No significant changes have been made to the subject site or neighbouring properties. |

Laser copies of some of the aerial photographs reviewed are included in the Appendix of this report.

National Archives

City Directories

City directories from 1955 to 2009 were reviewed (at approximate ten year intervals) for the subject site and surrounding properties. The site (2946-2948 Baseline Road) was listed for various commercial businesses (Bouclair, Electrolysis, Clinic, Offices, Convenience Store and Fat Albert's) since at least 1979 to 2009.

The property at 2940 Baseline Road was listed as various construction equipment rental companies (Craig, Gardiner and Battlefield) from at least 1965 to 2009. The property at 2932 Baseline Road, further to the east of the site, was listed as Campeau Construction from at least 1965 to at least 1979. No other potential environmental concerns were identified with respect to the site or neighbouring land use in the city directories.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the subject property.

Natural Resources Canada (NRCAN)

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of Dolomite of the Oxford Formation. Based on the maps, the thickness of overburden ranges from 10 to 25 m and consists of erosional terraces of offshore marine sediments.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located in the immediate vicinity of the subject property.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted electronically on November 23, 2010. A response from the TSSA indicated there are no records of underground/aboveground tanks, historical spills, incidents or infractions for the subject site or neighbouring properties. The subject site (2946 Baseline Road) has a record of an active cylinder exchange facility.

Ontario Ministry of Environment (MOE)

The Ontario Ministry of Environment document entitled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No active or closed waste disposal sites were identified in the vicinity of the subject site.

A search of the MOE Brownfields environmental site registry was conducted as part of this assessment. No record of site conditions (RSC) were listed in the data base for the subject site or neighbouring properties within a 1 km radius.

City of Ottawa Old Landfill Document

The document prepared by Golder Associates entitled "Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa", was reviewed. No former landfills were identified in the vicinity of the subject property.

Former Industrial Sites

The report titled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" prepared by Intera Technologies Limited was reviewed. The site was just outside of the Old City of Ottawa boundaries and was not covered in the study, however, no former industrial sites were identified in the general area of the subject property.

Ecolog Environmental Risk Information Service Ltd. (ERIS)

An ERIS search was conducted for the subject property and a 250 m radius around the site. The site was listed in the following environmental databases included in the ERIS search: Ontario Regulation 347 Waste Generators Summary, Water Well Information System and Borehole inventory.

The waste generators listed on-site include: inorganic laboratory chemicals, polymeric resins, pharmaceuticals and pathological wastes. According to the ERIS search, a water supply well is present on the site and was drilled to approximately 30 m below surface grade. There were no water supply wells on the subject site, this well is likely associated with the adjacent property to the east.

The property at 2940 Baseline Road was listed as a waste generator of petroleum distillates, waste oils & lubricants, aliphatic solvents and residues, waste crankcase oils and lubricants and alkaline wastes - heavy metals. This property was also listed in the pesticide registry as an operator and in the Scott's Manufacturing directory as a manufacturer of construction machinery and equipment.

A spill was reported on the property addressed 2932 Baseline Road, further to the east of the site. According to the report, buried fuel tanks were encountered at the former construction site, which had reportedly been leaking.

Other Engineering Reports

The following report was reviewed as part of this assessment: "Environmental Site Remediation Program, Industrial Site, 2940 Baseline Road, Ottawa, Ontario", prepared by Paterson, dated December, 2009. The report stated that an environmental remediation was completed for the site and involved the excavation of petroleum hydrocarbon impacted soil. This property was subsequently backfilled with imported engineered fill. In addition, eight (8) test pits were advanced in selected locations across the property. All of the final confirmatory soil and groundwater samples analysed at the time of the remediation program were in compliance with the MOE Table 2 standards. No further work was recommended for the property at that time.

Based on the remediation program and subsurface investigation, this property is not anticipated to have impacted the subject site.

Personal Interviews

Mr. Simon, the building janitor and Mr. David Thompson, the real estate broker, was present during the site inspection on November 29, 2010. Mr. Simon indicated that the pad mounted transformer, present to the northeast of the site building had been replaced approximately one year prior to this assessment. What appears to be a monitoring well was observed in the immediate vicinity of the transformer. Mr. Simon was not aware of any fuel and/or chemical storage or use on site, or any other environmental concerns on the site. Mr. Simon also indicated that the site building has been heated by natural gas since construction.

Hydro Ottawa was contacted for details regarding the former transformer on the site. No response had been received at the time of issuance of this report.

5.2 Exterior Assessment

Building

The subject site is currently occupied by a two (2) storey slab-on-grade commercial building. The building is occupied by Bouclair, Quickie Convenience, Fat Albert's Restaurant, Appletree Medical and dentists, who use the building for retail or commercial office space. The building is currently heated with a combination of natural gas fired equipment and electric baseboard heaters. The building has a flat tar and gravel roof and is finished on the exterior with brick.

Site

The subject building is located in the central portion of the site. Asphalt paved parking is present to the north and south of the building. An asphalt access laneway is present on the west side of the building. A landscaped area is present on the northern portion of the site. The site topography is variable, with the site building at a local high point and a downward slope to the north on the southern portion of the site; the regional topography is generally flat.

Potential Environmental Concerns

☐ **Fuels and Chemical Storage**

No apparent signs of underground storage tanks (USTs) or aboveground storage tanks (ASTs) were observed at the time of the assessment. The site currently operates a propane cylinder exchange facility. No Environmental concerns are anticipated with respect to these operations. No other fuels or chemicals were observed on the exterior of the property.

☐ **Waste Management**

Domestic waste and recycling is stored in steel dumpsters and is collected on a regular basis by Waste Management waste services.

☐ **Polychlorinated Biphenyls (PCBs)**

A ground box transformer was identified to the northeast of the site building on the subject property. The transformer was situated on a concrete pad. This transformer appeared to be relatively new. The site janitor indicated that an older transformer which had been located in this area, was removed and replaced by Hydro Ottawa.

5.3 Interior Assessment

A general description of the interior of the building is as follows:

- ☐ Floors consist of a combination of vinyl tile, ceramic tile, concrete and carpet;
- ☐ The walls consist of brick, panelling, ceramic tile or drywall;
- ☐ The ceilings consist of exposed corrugated steel decking on steel joists and suspended ceiling tile;
- ☐ Lighting throughout the building is provided by fluorescent fixtures.

The building is heated by a combination of natural gas fired equipment and electric baseboard heaters.

Potentially Hazardous Building Products

☐ **Asbestos Containing Materials (ACMs)**

Based on the age of the building, the potential asbestos-containing materials observed include the vinyl floor tiles, suspended ceiling tiles and the drywall joint compound. In general, these materials were in good condition.

☐ **Lead-Based Paint**

Based on the age of the building, lead-based paint may be present beneath more recent paints, on any original or older painted surfaces. Painted surfaces were generally observed to be in good condition at the time of the site inspection.

☐ **Polychlorinated Biphenyls (PCBs)**

Several fluorescent light ballasts were observed to be in operation at the time of this assessment, however, it is expected that most if not all PCB containing ballasts have been replaced with non-PCB containing equipment. There were no concerns with respect to PCBs identified on the interior of the building at the time of the site inspection.

☐ **UFFI**

UFFI was not identified during the site visit, however the wall cavities were not inspected for insulation type.

Other Potential Environmental Concerns

☐ **Fuels and Chemical Storage**

There were no ASTs or signs indicating the possible presence of USTs observed at the time of the assessment. There were no fuels or chemicals observed with the exception of small quantities of paints, cleaning and maintenance chemicals.

☐ **Wastewater Discharges**

The liquid discharge from the subject property includes the sewage and wash water from the building. The subject site discharges into the City of Ottawa sewer system.

☐ **Ozone Depleting Substances (ODSs)**

Potential sources of ODSs observed on site include refrigerators, fire extinguishers and air conditioning equipment. These appliances should be serviced by a certified contractor.

5.4 Adjacent Properties

Land use adjacent to the subject site was as follows:

- ☐ North - Baseline Road followed by residential dwellings;
- ☐ West - Sandcastle Drive followed by residential dwellings and apartment buildings;
- ☐ South - Residential townhouses;
- ☐ East - Former construction equipment rental yard.

The recent use of the neighbouring property to the east as an equipment rental facility has the potential to represent an environmental concern for the subject site. However, given the remedial and exploratory work that was conducted at this property by Paterson, this site is not anticipated to pose a risk to the subject land. Current land use adjacent to the subject property is illustrated on Drawing No. PE2176 - 1 - Site Plan in the appendix.

6.0 ASSESSMENT AND CONCLUSION

6.1 Assessment

A Phase I - Environmental Site Assessment was carried out for the commercial property located at 2946-2948 Baseline Road, in the City of Ottawa, Ontario. The purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

The historical research indicated that the subject site was vacant prior to being developed with the existing commercial building prior to 1978. The site has been occupied by commercial tenants since construction. The area east of the site has been used as an equipment rental facility since the 1960's until recently. A small scale sand pit operation appeared to be present on the south portion of the site and the adjacent property to the east in the 1960's.

Following the historical review, a site visit was conducted. The subject site is occupied by Bouclair, Quickie Convenience, Fat Albert's Restaurant, Appletree Medical and dentists, who use the building for retail or commercial office space. The neighbouring properties to the north, west and south of the site are used for residential purposes. Vacant equipment rental facility is located to the east of the subject site. However, given the remedial and exploratory work that was conducted at this property by Paterson, this site is not anticipated to pose a risk to the subject land.

Based on the findings of this assessment, **it is our opinion that a Phase II - Environmental Site Assessment will not be required for the property at this time.**

6.2 Recommendations

Hazardous Building Materials

As discussed in Section 5.3 of this report, asbestos may be present within the vinyl floor tiles, suspended ceiling tiles and the drywall joint compound throughout site building. These materials were generally in good condition. The encapsulation, handling or removal of asbestos containing material should be carried out by a contractor specialized for these works.

Lead-based paints may be present on original painted surfaces.

A designated substance survey (DSS) of the site building will be required prior to demolition in accordance with the Occupational Health and Safety Act. If the building is not going to be demolished, an Asbestos Survey of the building should be conducted as per O. Reg. 278/05.

7.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with the agreed scope-of-work and the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of Brigil Platinum. Permission and notification from the above noted parties and this firm will be required to release this report to any other party.

Paterson Group Inc.



Luke Lopers, BASc.



Mark D'Arcy, P.Eng



Report Distribution:

- ☐ Brigil Platinum (3 copies)
- ☐ Paterson Group Inc. (1 copy)

APPENDIX

AERIAL PHOTOGRAPHS

ECOLOG ERIS SEARCH RESULTS

FIGURE 1 - KEY PLAN

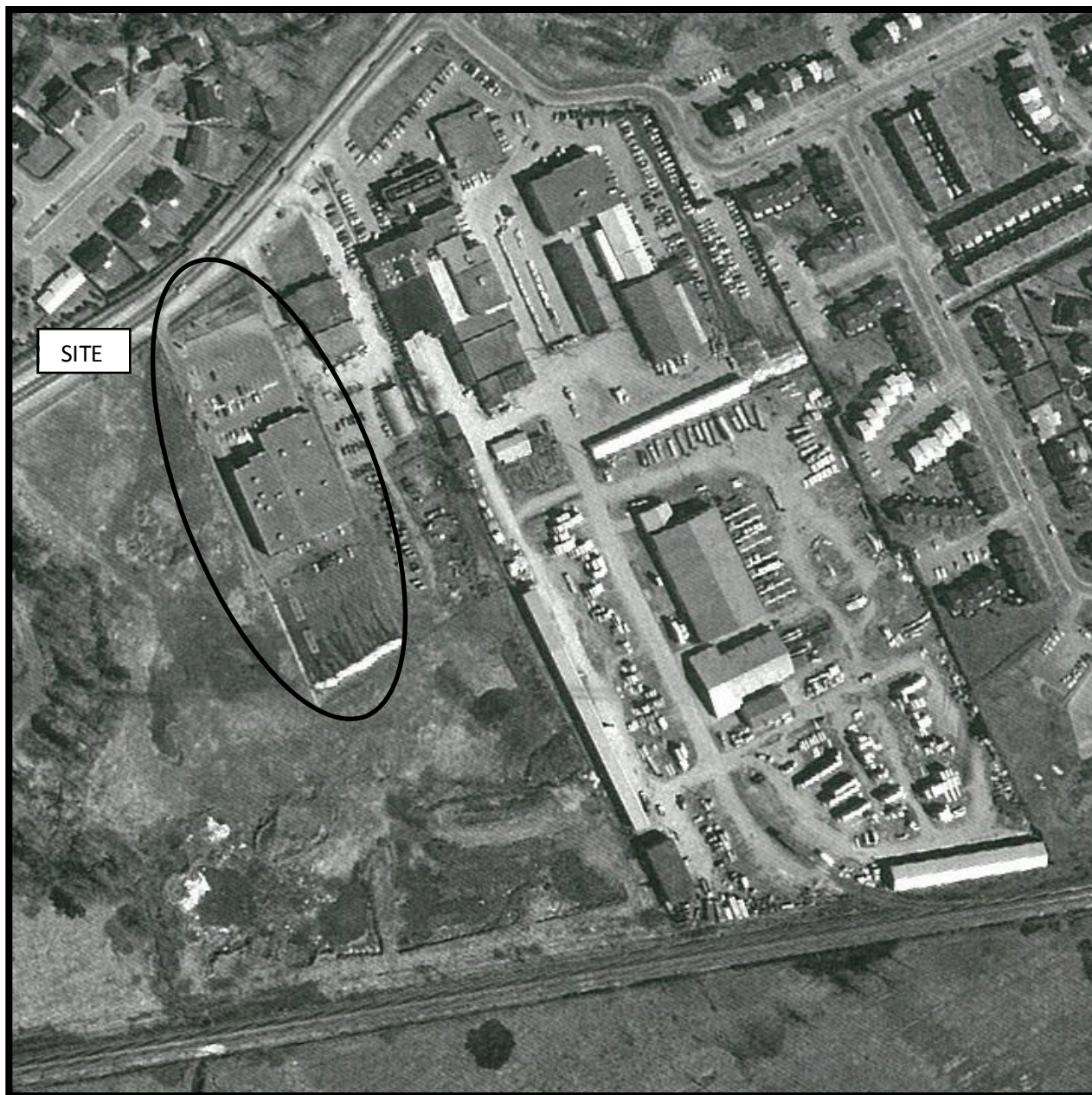
DRAWING NO. PE2176-1 - SITE PLAN



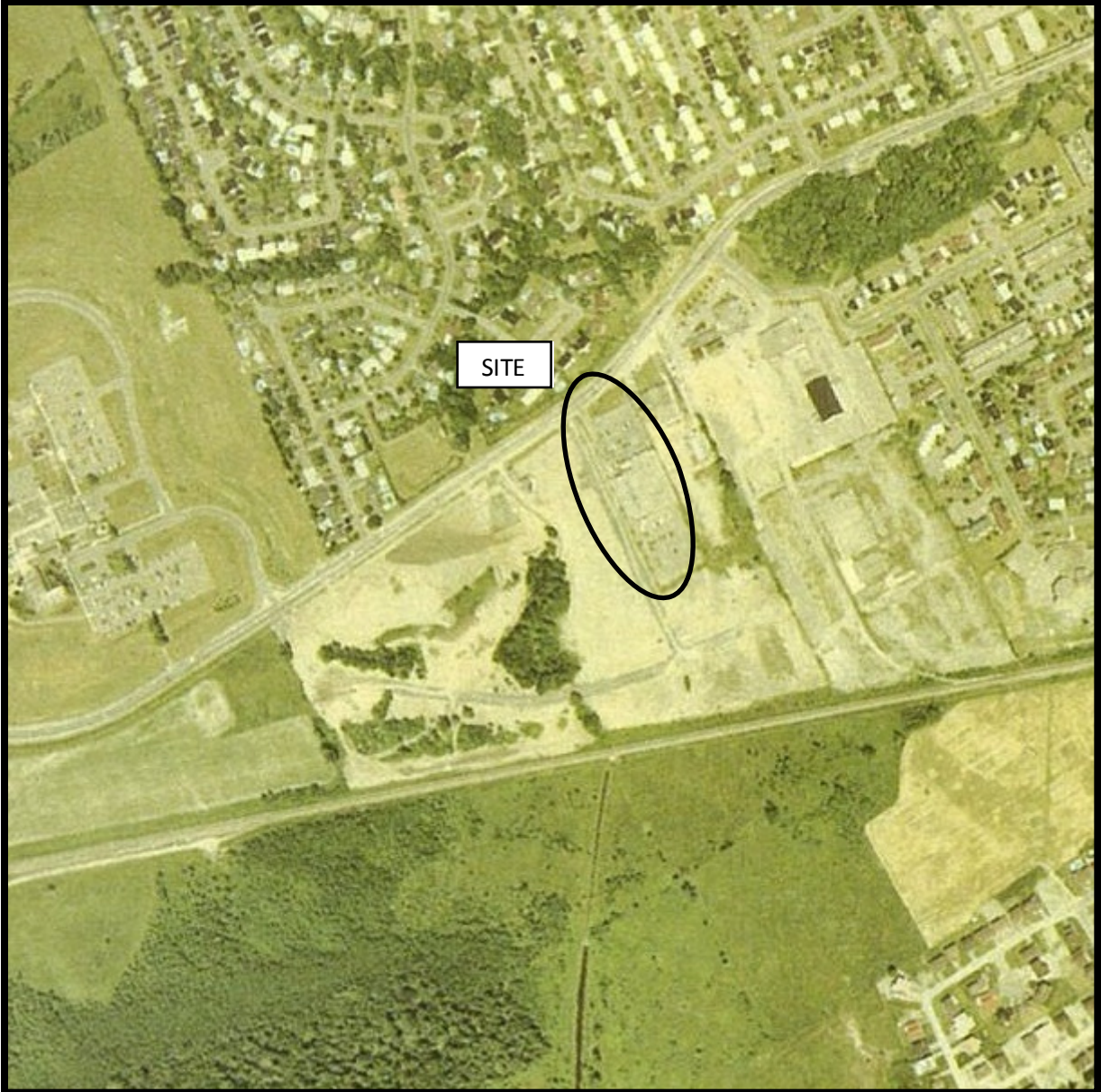
AERIAL PHOTOGRAPH
1951



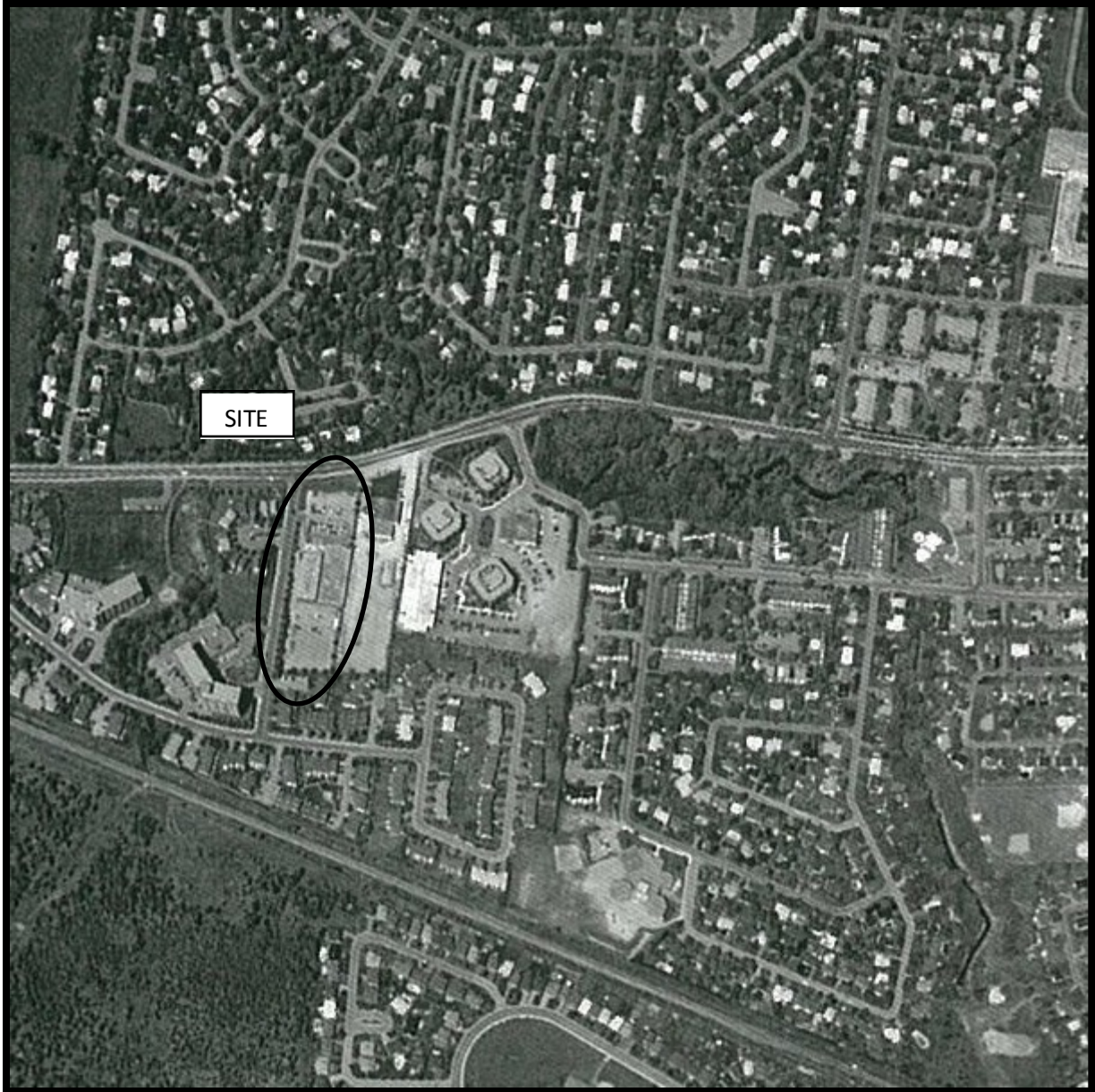
AERIAL PHOTOGRAPH
1963



AERIAL PHOTOGRAPH
1978



AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
1996



AERIAL PHOTOGRAPH
2002



Canada's Primary Environmental Risk Information Service

Project Site: PE2176 - Phase I - ESA
2946-2948 Baseline Road
Ottawa, ON

Client: Luke Lopers
Paterson Group Inc.
100-28 Concourse Gate
Ottawa, ON K2E7T7

ERIS Project No: 20101115021

Report Type: Standard Report - .25km Search Radius

Prepared By: Daniela Nigro
dnigro@eris.ca

Date: November 24, 2010

DISCLAIMER AND COPYRIGHT NOTICE

The information contained in this report has been produced by EcoLog ERIS Ltd. using various sources of information, including information provided by Federal and Provincial government departments. Although EcoLog ERIS Ltd. has endeavoured to present you with information that is accurate, EcoLog ERIS Ltd. disclaims, except as set out below, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence or otherwise, and for any consequences arising therefrom. Liability on the part of EcoLog ERIS Ltd. is limited to the monetary value paid for this report. The report applies only to the address specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. This report is solely intended to be used to focus further investigation and is not intended to replace a full Phase 1 Environmental Site Assessment. No page of this report should be used without this cover page, this disclaimer and the project property identifier.

The contents of this Service are protected by copyright. Copyright in the Service is owned by EcoLog ERIS Ltd. Copyright in data obtained from private sources is owned by EcoLog ERIS Ltd. or its licensors. The Service and its contents may not be copied or reproduced in whole or in any substantial part without prior written consent of EcoLog ERIS Ltd.



Table of Contents

Order Number: 20101115021
Site Name: PE2176 - Phase I - ESA
Site Address: 2946-2948 Baseline Road Ottawa, ON
Report Type: Standard Report, 0.25 km Search Radius

| | <u>Section</u> |
|---|-----------------------|
| Report Summary | i |
| <i>This outlines the number of records from each database that fall on the site, and within various distances from the site.</i> | |
| Site Diagram | ii |
| <i>The records that were found within a specified distance from the project property (the primary search radius) have been plotted on a diagram to provide you with a visual representation of the information available. Sites will be plotted on the diagram if there is sufficient information from the database source to determine accurate geographic coordinates. Each plotted site is marked with an acronym identifying the database in which the record was found (i.e., WDS for Waste Disposal Sites). These are referred to as "Map Keys". A variety of problems are inherent when attempting to associate various government or private source records with locations. EcoLog ERIS has attempted to make the best fit possible between the available data and their positions on the site diagram.</i> | |
| Site Profile | iii |
| <i>This table describes the records that relate directly to the property that is being researched.</i> | |
| Detail Report | iv |
| <i>This section represents information, by database, for the records found within the primary search radius. Listed at the end of each database are the sites that could not be plotted on the locator diagram because of insufficient address information. These records will not have map keys. They have been included because they may be found to be relevant during a more detailed investigation.</i> | |

| | <u>Page</u> |
|---|--------------------|
| Borehole | 1 |
| ERIS Historical Searches | 8 |
| Ontario Regulation 347 Waste Generators Summary | 9 |
| Pesticide Register | 13 |
| Scott's Manufacturing Directory | 14 |
| Ontario Spills | 15 |
| Water Well Information System | 16 |

Appendix: Database Descriptions

Report Summary

Order Number: 20101115021
 Site Name: PE2176 - Phase I - ESA
 Site Address: 2946-2948 Baseline Road Ottawa, ON
 Report Type: Standard Report, 0.25 km Search Radius

Number of Mappable Records Surrounding the Site

| Database | Selected | On-site | Within 0.25 | 0.25km to 2.00km | Total |
|----------|---|---------|-------------|------------------|-------|
| AAGR | Abandoned Aggregate Inventory | Y | 0 | 0 | 0 |
| AGR | Aggregate Inventory | Y | 0 | 0 | 0 |
| AMIS | Abandoned Mine Information System | Y | 0 | 1 | 1 |
| ANDR | Anderson's Waste Disposal Sites | Y | 0 | 2 | 2 |
| AUWR | Automobile Wrecking & Supplies | Y | 0 | 0 | 0 |
| BORE | Borehole | Y | 1 | 286 | 293 |
| CA | Certificates of Approval | Y | 0 | 52 | 52 |
| CFOT | Commercial Fuel Oil Tanks | Y | 0 | 1 | 1 |
| CHEM | Chemical Register | Y | 0 | 0 | 0 |
| COAL | Coal Gasification Plants | Y | 0 | 0 | 0 |
| CONV | Compliance and Convictions | Y | 0 | 0 | 0 |
| DRL | Drill Hole Database | Y | 0 | 0 | 0 |
| EBR | Environmental Registry | Y | 0 | 7 | 7 |
| EEM | Environmental Effects Monitoring | Y | 0 | 0 | 0 |
| EHS | ERIS Historical Searches | Y | 0 | 28 | 31 |
| EIIS | Environmental Issues Information System | Y | 0 | 0 | 0 |
| FCON | Federal Convictions | Y | 0 | 0 | 0 |
| FCS | Contaminated Sites on Federal Land | Y | 0 | 1 | 1 |
| FOFT | Fisheries & Oceans Fuel Storage Tanks | Y | 0 | 0 | 0 |
| FST | Fuel Storage Tank | Y | 0 | 17 | 17 |
| GEN | Ontario Regulation 347 Waste Generators Summary | Y | 7 | 220 | 241 |
| IAFT | Indian & Northern Affairs Fuel Tanks | Y | 0 | 0 | 0 |
| MINE | Canadian Mine Locations | Y | 0 | 0 | 0 |
| MNR | Mineral Occurrences | Y | 0 | 2 | 2 |
| 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 Storage 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 |
| NPCB | National PCB Inventory | Y | 0 | 2 | 2 |
| NPRI | National Pollutant Release Inventory | Y | 0 | 0 | 0 |
| 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 | 6 | 6 |
| PAP | Canadian Pulp and Paper | Y | 0 | 1 | 1 |
| PCFT | Parks Canada Fuel Storage Tanks | Y | 0 | 0 | 0 |
| PES | Pesticide Register | Y | 0 | 20 | 22 |
| PRT | Private and Retail Fuel Storage Tanks | Y | 0 | 10 | 10 |
| 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 | 7 | 7 |

Report Summary

Order Number: 20101115021
Site Name: PE2176 - Phase I - ESA
Site Address: 2946-2948 Baseline Road Ottawa, ON
Report Type: Standard Report, 0.25 km Search Radius

| Database | | Selected | On-site | Within 0.25 | 0.25km to 2.00km | Total |
|----------|---|----------|---------|-------------|------------------|-------|
| SCT | Scott's Manufacturing Directory | Y | 0 | 1 | 48 | 49 |
| SPL | Ontario Spills | Y | 0 | 2 | 59 | 61 |
| SRDS | Wastewater Discharger Registration Database | Y | 0 | 0 | 0 | 0 |
| TANK | Anderson's Storage Tanks | Y | 0 | 0 | 0 | 0 |
| TCFT | Transport Canada Fuel Storage Tanks | Y | 0 | 0 | 0 | 0 |
| WDS | Waste Disposal Sites - MOE CA Inventory | Y | 0 | 0 | 0 | 0 |
| WDSH | Waste Disposal Sites - MOE 1991 Historical Approval Inventory | Y | 0 | 0 | 1 | 1 |
| WWIS | Water Well Information System | Y | 1 | 27 | 119 | 146 |
| | | TOTAL | 9 | 63 | 890 | 953 |

The databases chosen by the client as per the submitted order form are denoted in the 'Selected' column in the above table. Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.



Pinpointing Your Environmental Risks

12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: PE2176 - Phase I - ESA
2946-2948 Baseline Road
Ottawa, ON

ERIS Project #: 20101115021

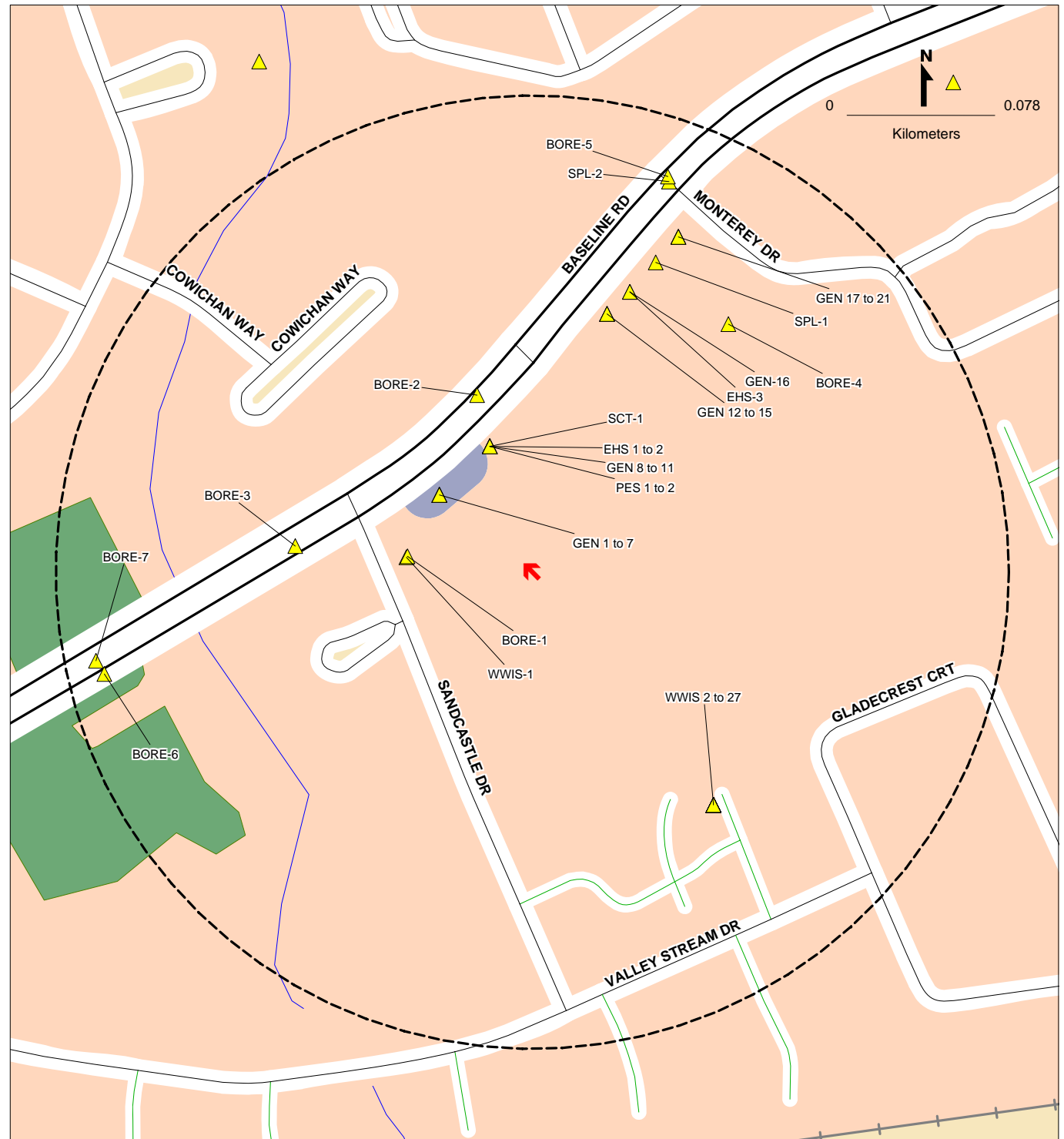
Date: NOV-23-2010

LEGEND

| | | |
|--------------------------------------|-----------------------|--------------------------------|
| | Project Property | Landuse Classifications |
| | Database Location | Open Area |
| Points of Interest | | Residential |
| | Chimney | Commercial |
| | Silo | Resource and Industrial |
| Pipe & Transmission Lines | | Government and Institutional |
| | Pipeline | Parks and Recreational |
| | Transmission Line | Waterbody |
| | Transmission Tower | Recreation |
| | Transformer Station | Golf Course/Driving Range |
| Rail | | Park/Sports Field |
| | Railway - Main | Other Recreation Area |
| | Railway - Sidetrack | Sports/Race Track |
| | Railway - Abandoned | Cemetery |
| | Bridge | Campground |
| | Tunnel | Vegetation |
| Transportation - Other | | Wooded Area |
| | Embankment | Orchard |
| | Trail | Vineyard |
| | Runway | Industrial Resources |
| Hydrographic Features | | Conveyor |
| | Permanent Waterway | Crane: Moveable |
| | Intermittent Waterway | Crane: Stationary |
| | Open Reservoir | Tank |
| | Dyke/Levee | Rock Cut |
| | Dam | Auto Wrecker |
| | Breakwall | Lumber Yard |
| | Wetland | Pit |

This diagram is to be used solely for relative street location purposes.
It may not accurately portray street or site positions.

SITE DIAGRAM



Site Report

Order Number: 20101115021
Site Name: PE2176 - Phase I - ESA
Site Address: 2946-2948 Baseline Road Ottawa, ON
Report Type: Standard Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Ontario Regulation 347 Waste Generators Summary

| Map Key | Company Name | Address | City | Postal Code |
|---------|-----------------------------------|--------------------|--------|-------------|
| GEN-1 | HUBER & SUHNER CANADA | 2948 BASELINE ROAD | NEPEAN | K2H 8T5 |
| GEN-2 | Appletree Corporate Services Inc. | 2948 Baseline Road | Ottawa | |
| GEN-3 | HMA Pharmacy Limited | 2948 Baseline Road | Ottawa | K2H8T5 |
| GEN-4 | HMA Pharmacy Limited | 2948 Baseline Road | Ottawa | K2H8T5 |
| GEN-5 | HUBER & SUHNER CANADA | 2948 BASELINE ROAD | NEPEAN | K2H 8T5 |
| GEN-6 | HUBER & SUHNER CANADA | 2948 BASELINE ROAD | NEPEAN | K2H 8T5 |
| GEN-7 | Appletree Corporate Services Inc. | 2948 Baseline Road | Ottawa | K2H 8T5 |

Water Well Information System

| Map Key | Company Name | Address | City | Postal Code |
|---------|--------------|--------------|-----------------|-------------|
| WWIS-1 | | lot 35 con 3 | NEPEAN TOWNSHIP | |

Borehole

| Map Key | Company Name | Address | City | Postal Code |
|---------|--------------|---------|------|-------------|
| BORE-1 | | | | |

Detail Report

Order Number: 20101115021

Site Name: PE2176 - Phase I - ESA

Site Address: 2946-2948 Baseline Road Ottawa ON

Report Type: Standard Report, 0.25 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIS representative.

Borehole

ERIS Historical Searches

Ontario Regulation 347 Waste Generators Summary

Pesticide Register

Scott's Manufacturing Directory

Ontario Spills

Water Well Information System

Borehole

| Map Key | Company | Address | Borehole ID | Type | Use |
|---------|---------|---------|---|---------------------|---|
| BORE-1 | | | 610764 | Borehole | |
| | | | Status: Drill Method: UTM Zone: 18 Easting: 437311.000 Northing: 5020522.000 Location Accuracy: Orig. Ground Elevation(m): 89.900002 Elev. Reliability Note: DEM Ground Elevation(m): 77.599998 Total Depth(m): 32 Primary Name: Township: Concession: Lot: Municipality: Completion Date: Static Water Level: Primary Water Use: Secondary Water Use: Location Description: | | |
| | | | Geology | Top Depth(m) | Bottom Depth(m) |
| | | | Stratum ID | | Stratum Desc |
| | | | 218386431 | 0 | 0.900000 |
| | | | 218386432 | 0.900000 | 9.100000 |
| | | | 218386433 | 9.100000 | 12.200000 |
| | | | 218386434 | 12.200000 | 30.500000 |
| | | | 218386435 | 30.500000 | 32 |
| | | | | | SANDSTONE. BROWN. 00105STIFF. CLAY,SILT,SAND. BROWN,GREY,SOFT TO STIFF. UNSPECIFIED,TILL. VE |

Borehole

| Map Key | Company | Address | Borehole ID | Type | Use | |
|---------|---------|-------------------------------------|---|---------------------|---------------------------------------|---|
| BORE-2 | | | 800050 | Borehole | Geotechnical/Geological Investigation | |
| | | | Status: | | | |
| | | | Drill Method: Boring | | | |
| | | | UTM Zone: 18 | | | |
| | | | Easting: 437348.408 | | | |
| | | | Northing: 5020606.115 | | | |
| | | | Location Accuracy: | | | |
| | | | Orig. Ground Elevation(m): 77.099998 | | | |
| | | | Elev. Reliability Note: | | | |
| | | | DEM Ground Elevation(m): 75.599998 | | | |
| | | | Total Depth(m): 11.300000 | | | |
| | | | Primary Name: BH 16 | | | |
| | | | Township: | | | |
| | | | Concession: | | | |
| | | | Lot: | | | |
| | | Municipality | | | | |
| | | Completion Date: | | | | |
| | | Static Water Level: 1.800000 | | | | |
| | | Primary Water Use: | | | | |
| | | Secondary Water Use: | | | | |
| | | Location Description: | | | | |
| | | | Geology | Top Depth(m) | Bottom Depth(m) | Stratum Desc |
| | | | Stratum ID | | | |
| | | | 218563342 | 0.500000 | 3 | Brown Very Stiff Weathered Crust Silty Clay |
| | | | 218563343 | 3 | 7.300000 | Grey Firm Silty Clay Trace: F Sa trace fine sand below 15ft |
| | | | 218563344 | 7.300000 | 11.300000 | Grey Stiff Silty Clay With: F Sa |
| | | | 218563341 | 0 | 0.500000 | Grey Fill-Misc Sand - Gravel With: Si |

Page 3 of Borehole
Environmental Risk Information Services Ltd.

Borehole

| Map Key | Company | Address | Borehole ID | Type | Use |
|---------|---------|---------|---|----------------------------|-------------------------------|
| BORE-4 | | | 610767 | Borehole | |
| | | | Status: | | |
| | | | Drill Method: | | |
| | | | UTM Zone: 18 | | |
| | | | Easting: 437481.000 | | |
| | | | Northing: 5020642.000 | | |
| | | | Location Accuracy: | | |
| | | | Orig. Ground Elevation(m): 75.900002 | | |
| | | | Elev. Reliability Note: | | |
| | | | DEM Ground Elevation(m): 76.599998 | | |
| | | | Total Depth(m): 10.700000 | | |
| | | | Primary Name: | | |
| | | | Township: | | |
| | | | Concession: | | |
| | | | Lot: | | |
| | | | Municipality | | |
| | | | Completion Date: | | |
| | | | Static Water Level: | | |
| | | | Primary Water Use: | | |
| | | | Secondary Water Use: | | |
| | | | Location Description: | | |
| | | | <u>Geology</u> | <u>Top Depth(m)</u> | <u>Bottom Depth(m)</u> |
| | | | <u>Stratum ID</u> | | <u>Stratum Desc</u> |
| | | | 218386445 | 0 | 1.300000 |
| | | | | | |
| | | | 218386446 | 1.300000 | 3.700000 |
| | | | 218386447 | 3.700000 | 10.700000 |
| | | | | | |
| | | | | | |
| | | | | | |

Borehole

| Map Key | Company | Address | Borehole ID | Type | Use | |
|---------|---------|------------------------------|---|----------------------------|---------------------------------------|---|
| BORE-5 | | | 800046 | Borehole | Geotechnical/Geological Investigation | |
| | | | Status: | | | |
| | | | Drill Method: Boring | | | |
| | | | UTM Zone: 18 | | | |
| | | | Easting: 437449.981 | | | |
| | | | Northing: 5020719.710 | | | |
| | | | Location Accuracy: | | | |
| | | | Orig. Ground Elevation(m): 75.900002 | | | |
| | | | Elev. Reliability Note: | | | |
| | | | DEM Ground Elevation(m): 70.900002 | | | |
| | | | Total Depth(m): 10.700000 | | | |
| | | | Primary Name: BH 15 | | | |
| | | | Township: | | | |
| | | | Concession: | | | |
| | | | Lot: | | | |
| | | Municipality | | | | |
| | | Completion Date: | | | | |
| | | Static Water Level: | | | | |
| | | Primary Water Use: | | | | |
| | | Secondary Water Use: | | | | |
| | | Location Description: | | | | |
| | | | <u>Geology</u> | <u>Top Depth(m)</u> | <u>Bottom Depth(m)</u> | <u>Stratum Desc</u> |
| | | | <u>Stratum ID</u> | | | |
| | | | 218563321 | 0 | 0.100000 | Asphalt |
| | | | 218563322 | 0.100000 | 1.300000 | Brown to Grey Fill-Misc Sand With: Si W Gr |
| | | | 218563323 | 1.300000 | 3.700000 | Brown Very Stiff Weathered Crust Silty Clay With: Sa |
| | | | 218563324 | 3.700000 | 10.700000 | Grey Firm to Stiff Silty Clay Trace: F Sa some 1/4in layers of fine sand below 20ft |

Borehole

| Map Key | Company | Address | Borehole ID | Type | Use |
|---------|---------|----------------------------------|---|----------------------------|---|
| BORE-6 | | | 610762 | Borehole | |
| | | | Status: | | |
| | | | Drill Method: | | |
| | | | UTM Zone: 18 | | |
| | | | Easting: 437151.000 | | |
| | | | Northing: 5020462.000 | | |
| | | | Location Accuracy: | | |
| | | | Orig. Ground Elevation(m): 78 | | |
| | | | Elev. Reliability Note: | | |
| | | | DEM Ground Elevation(m): 78.400002 | | |
| | | Total Depth(m): 12.200000 | | | |
| | | Primary Name: | | | |
| | | Township: | | | |
| | | Concession: | | | |
| | | Lot: | | | |
| | | Municipality | | | |
| | | Completion Date: | | | |
| | | Static Water Level: | | | |
| | | Primary Water Use: | | | |
| | | Secondary Water Use: | | | |
| | | Location Description: | | | |
| | | | <u>Geology</u> | <u>Top Depth(m)</u> | <u>Bottom Depth(m)</u> |
| | | | <u>Stratum ID</u> | | <u>Stratum Desc</u> |
| | | | 218386419 | 0 | 0.900000 |
| | | | | | ARTIFICIAL,SAND, GRAVEL,SILT. BROWN,GREY,COMPACT. |
| | | | 218386420 | 0.900000 | 2.700000 |
| | | | | | CLAY,SILT. BROWN,VERY STIFF,WEATHERED. |
| | | | 218386421 | 2.700000 | 12.200000 |
| | | | | | CLAY,SILT,SAND. GREY,BROWN,FIRM,STIFF. |
| | | | | | 00090 040 |
| | | | | | 000300140009000200055 |
| | | | | | 038 00100 010 |

Borehole

| Map Key | Company | Address | Borehole ID | Type | Use | |
|---------|---------|----------------------------------|---|----------------------------|---------------------------------------|---|
| BORE-7 | | | 800055 | Borehole | Geotechnical/Geological Investigation | |
| | | | Status: | | | |
| | | | Drill Method: Boring | | | |
| | | | UTM Zone: 18 | | | |
| | | | Easting: 437146.626 | | | |
| | | | Northing: 5020468.889 | | | |
| | | | Location Accuracy: | | | |
| | | | Orig. Ground Elevation(m): 78.300003 | | | |
| | | | Elev. Reliability Note: | | | |
| | | | DEM Ground Elevation(m): 78.199997 | | | |
| | | Total Depth(m): 12.200000 | | | | |
| | | Primary Name: BH 18 | | | | |
| | | Township: | | | | |
| | | Concession: | | | | |
| | | Lot: | | | | |
| | | Municipality | | | | |
| | | Completion Date: | | | | |
| | | Static Water Level: | | | | |
| | | Primary Water Use: | | | | |
| | | Secondary Water Use: | | | | |
| | | Location Description: | | | | |
| | | | <u>Geology</u> | <u>Top Depth(m)</u> | <u>Bottom Depth(m)</u> | <u>Stratum Desc</u> |
| | | | <u>Stratum ID</u> | | | |
| | | | 218563361 | 0 | 0.900000 | Brown to Grey Compact Fill-Misc Sand - Gravel With: Si |
| | | | 218563362 | 0.900000 | 2.700000 | Brown Very Stiff Weathered Crust Silty Clay |
| | | | 218563363 | 2.700000 | 12.200000 | Brown to Grey Firm to Stiff Silty Clay With: F Sa firm to stiff brown (becoming grey below 14ft depth) SILTY CLAY some 1/4in layers of fine sand below 25ft depth |

ERIS Historical Searches

| Map Key | Company | Address | Order No. | Report Date | Report Type | Search Radius (km) |
|---------|---------|---------------------------------------|--|-------------|-----------------|--------------------|
| EHS-1 | | 2940 Baseline Road Ottawa | 20090710020 | 7/21/2009 | Standard Report | 0.25 |
| | | | Addit. Info Ordered: Fire Insur. Maps and/or Sire Plans | | | |
| EHS-2 | | 2940 Baseline Rd Nepean K2H 7T3 | 20000214001 | 2/16/00 | Complete Report | 0.25 |
| | | | Addit. Info Ordered: | | | |
| EHS-3 | | 2934 Baseline Rd Ottawa K2H 1B2 | 20060109008 | 1/10/2006 | Site Report | 0.25 |
| | | | Addit. Info Ordered: Aerials Photos; Topographical Maps | | | |

Ontario Regulation 347 Waste Generators Summary

| Map Key | Company | Address | SIC Code | SIC Description | Waste Code | Waste Description |
|---------|-----------------------------------|---|----------|--|------------|-----------------------------------|
| GEN-1 | HUBER & SUHNER CANADA | 2948 BASELINE ROAD NEPEAN K2H 8T5 | 3361 | ELECT. COMP. & PERI. Generator #: ON2494101 Approval Yrs: 00,01 | 148 | INORGANIC LABORATORY CHEMICALS |
| | | | | | 232 | POLYMERIC RESINS |
| | | | | | 263 | ORGANIC LABORATORY CHEMICALS |
| GEN-2 | Appletree Corporate Services Inc. | 2948 Baseline Road Ottawa | 622111 | General (except Paediatric) Hospitals Generator #: ON7435864 Approval Yrs: 06,07,08 | 261 | PHARMACEUTICALS |
| | | | | | 312 | PATHOLOGICAL WASTES |
| GEN-3 | HMA Pharmacy Limited | 2948 Baseline Road Ottawa K2H8T5 | | Generator #: ON3516345 Approval Yrs: As of Jan 2010 | 261 | Pharmaceuticals |
| | | | | | 312 | Pathological wastes |
| GEN-4 | HMA Pharmacy Limited | 2948 Baseline Road Ottawa K2H8T5 | 446110 | Pharmacies and Drug Stores Generator #: ON3516345 Approval Yrs: 05,06 | 261 | PHARMACEUTICALS |
| | | | | | 312 | PATHOLOGICAL WASTES |
| GEN-5 | HUBER & SUHNER CANADA | 2948 BASELINE ROAD NEPEAN K2H 8T5 | | Generator #: ON2494101 Approval Yrs: 04 | | |
| GEN-6 | HUBER & SUHNER CANADA | 2948 BASELINE ROAD NEPEAN K2H 8T5 | | Generator #: ON2494101 Approval Yrs: 02,03 | | |
| GEN-7 | Appletree Corporate Services Inc. | 2948 Baseline Road Ottawa K2H 8T5 | | Generator #: ON7435864 Approval Yrs: As of Jan 2010 | 261 | Pharmaceuticals |
| | | | | | 312 | Pathological wastes |
| GEN-8 | BATTLEFIELD EQUIPMENT RENTALS | 2940 BASELINE ROAD NEPEAN L8H 7S8 | 9911 | IND. MACH. RENTAL Generator #: ON0315911 Approval Yrs: 99,00,01 | 213 | PETROLEUM DISTILLATES |
| | | | | | 252 | WASTE OILS & LUBRICANTS |

Ontario Regulation 347 Waste Generators Summary

| Map Key | Company | Address | SIC Code | SIC Description | Waste Code | Waste Description |
|---------|--|--|-------------------------------|--|------------|---|
| GEN-9 | CRAIG (SEE & USE ON0315911)T LTD. | 2940 BASELINE ROAD NEPEAN L8H 7S8 | 5721 | CONSTR./FOREST. MACH. | 252 | WASTE OILS & LUBRICANTS |
| | | | Generator #: Approval Yrs: | ON2478800 99,00 | | |
| GEN-10 | TOROMONT INDUSTRIES LTD. | 2940 BASELINE ROAD NEPEAN K2H 7T3 | | | 212 | Aliphatic solvents and residues |
| | | | | | 213 | Petroleum distillates |
| | | | | | 252 | Waste crankcase oils and lubricants |
| GEN-11 | TOROMONT INDUSTRIES LTD. | 2940 BASELINE ROAD NEPEAN L8H 7S8 | 488490 | Other Support Activities for Road Transport | 121 | ALKALINE WASTES - HEAVY METALS |
| | | | Generator #: Approval Yrs: | ON0315911 02,03,04,05,06,07,08 | 212 213 | ALIPHATIC SOLVENTS PETROLEUM DISTILLATES |
| | | | | | 252 | WASTE OILS & LUBRICANTS |
| GEN-12 | CANADA (OUT OF BUS) 08-491 | QUALICUM BUILDING 2936 BASELINE ROAD, STATION 506 OTTAWA K1A 0B1 | 4841 | POSTAL SERVICE IND. | 264 | PHOTOPROCESSING WASTES |
| | | | Generator #: Approval Yrs: | ON0044326 92,93,94,95,96,97 | | |
| GEN-13 | STANDARD LIFE | 2936 BASELINE RD OTTAWA K2H 1B3 | | | 251 | Waste oils/sludges (petroleum based) |
| | | | Generator #: Approval Yrs: | ON7138385 As of Jan 2010 | | |
| GEN-14 | CANADA POST (OUT OF BUSINESS) CORP. | QUALICUM BUILDING 2936 BASELINE ROAD, STATION 506 OTTAWA K1A 0B1 | 4841 | POSTAL SERVICE IND. | 264 | PHOTOPROCESSING WASTES |
| | | | Generator #: Approval Yrs: | ON0044326 98 | | |
| GEN-15 | CANADA POST CORPORATION | QUALICUM BUILDING 2936 BASELINE ROAD, STATION 506 OTTAWA K1A 0B1 | 4841 | POSTAL SERVICE IND. | 264 | PHOTOPROCESSING WASTES |
| | | | Generator #: Approval Yrs: | ON0044326 89,90 | | |

Ontario Regulation 347 Waste Generators Summary

| Map Key | Company | Address | SIC Code | SIC Description | Waste Code | Waste Description |
|---------|--------------------------------------|--|----------|-----------------------------|--------------------------------|-------------------------------------|
| GEN-16 | EDS CANADA | 2934 Baseline Road Ottawa | 561210 | Facilities Support Services | 251 | OIL SKIMMINGS & SLUDGES |
| | | | | | 122 | ALKALINE WASTES - OTHER METALS |
| | | | | | 212 | ALIPHATIC SOLVENTS |
| | | | | | 252 | WASTE OILS & LUBRICANTS |
| GEN-17 | VICKERS INSTRUMENTS (CANADA) INC. | 2930 BASELINE RD. NEPEAN K2H 8T5 | 3912 | OTHER INSTRUMENTS | 112 | ACID WASTE - HEAVY METALS |
| | | | | | 122 | ALKALINE WASTES - OTHER METALS |
| | | | | | 123 | ALKALINE PHOSPHATES |
| | | | | | 148 | INORGANIC LABORATORY CHEMICALS |
| | | | | | 211 | AROMATIC SOLVENTS |
| | | | | | 212 | ALIPHATIC SOLVENTS |
| | | | | | 241 | HALOGENATED SOLVENTS |
| GEN-18 | NANOQUEST (OUT OF BUSINESS) | (FORMALLY VICKERS) 2930 BASELINE RD. NEPEAN K2H 8T5 | 3912 | OTHER INSTRUMENTS | ON0220500 90 | |
| | | | | | | |
| GEN-19 | NANOQUEST (CANADA) INC. | (FORMALLY VICKERS) 2930 BASELINE RD. NEPEAN K2H 8T5 | 3912 | OTHER INSTRUMENTS | 112 | ACID WASTE - HEAVY METALS |
| | | | | | 122 | ALKALINE WASTES - OTHER METALS |
| | | | | | 123 | ALKALINE PHOSPHATES |
| | | | | | 148 | INORGANIC LABORATORY CHEMICALS |
| | | | | | 211 | AROMATIC SOLVENTS |
| | | | | | 212 | ALIPHATIC SOLVENTS |
| | | | | | 241 | HALOGENATED SOLVENTS |
| GEN-20 | NANOQUEST (OUT OF BUSINESS) 28-542 | (FORMALLY VICKERS) 2930 BASELINE RD. NEPEAN K2H 8T5 | 3912 | OTHER INSTRUMENTS | ON0220500 92,93,94,95,96,97 | 263 ORGANIC LABORATORY CHEMICALS |
| | | | | | | |

Ontario Regulation 347 Waste Generators Summary

| Map Key | Company | Address | SIC Code | SIC Description | Waste Code | Waste Description |
|---------|-----------------------------|---|---------------|-------------------|------------|-------------------|
| GEN-21 | NANOQUEST (OUT OF BUSINESS) | (FORMALLY VICKERS) 2930 BASELINE ROAD NEPEAN K2H 8T5 | 3912 | OTHER INSTRUMENTS | | |
| | | | Generator #: | ON0220500 | | |
| | | | Approval Yrs: | 98 | | |

Pesticide Register

| Map Key | Company | Address | Licence No. | Licence Type |
|---------|--|--|-------------|--------------|
| PES-1 | A. WINTERGREEN LANDSCAPING/954660 ONTARIO INC. | R.R. #2, 2940 HWY #16 374 NEPEAN K2C 3H1 | | |
| PES-2 | A. WINTERGREEN LANDSCAPING/954660 ONTARIO INC | R R 2, 2940 HWY #16 BOX 374 NEPEAN K2C3H1 | | Operator |

Scott's Manufacturing Directory

| Map Key | Company | Address | Established | Plant Size (ft²) | Employment | SIC/NAICS Code | Description |
|---------|---------------------------------|---------------------------------------|-------------|---------------------|------------|-------------------|---|
| SCT-1 | CRAIG CONSTRUCTION EQUIPMENT | 2940 BASELINE RD NEPEAN K2H 7T3 | 1955 | 0 | 38 | 3531 | CONSTRUCTION MACHINERY AND EQUIPMENT |
| | | | | | | 5082 | CONSTRUCTION AND MINING (EXCEPT PETROLEUM) MACHINERY AND EQUIPMENT |

Ontario Spills

| Map Key | Company | Address | Ref No. | Incident Dt | MOE Reported Dt | Contaminant Name | Contaminant Quantity | | |
|---------|---------|---|---------|-------------|-----------------|-----------------------|----------------------|--|---------------------------|
| SPL-1 | UNKNOWN | 2932 BASELINE RD. NEPEAN CITY K2H 1B1 | 9711 | 9/16/1988 | 9/16/1988 | | | | |
| | | | | | | Incident Summary: | | TEREZ CORP. -DISCOVERED BURIED FUEL TANKS AT | CONST. SITE, SOME LEAKAGE |
| | | | | | | Incident Cause: | | UNDERGROUND TANK LEAK | |
| | | | | | | Incident Reason: | | UNKNOWN | |
| | | | | | | Nature of Impact: | | | |
| | | | | | | Receiving Medium: | | LAND | |
| | | | | | | Environmental Impact: | | | |
| SPL-2 | UNKNOWN | MONTEREY DRIVE AT BASELINE NEPEAN CITY | 117181 | 8/14/1995 | 8/14/1995 | | | | |
| | | | | | | Incident Summary: | | SMALL VOLUME OF OIL DUMPED ON CITY PROPERTY; FIRE DEPARTMENT CLEANEDUP | |
| | | | | | | Incident Cause: | | OTHER CONTAINER LEAK | |
| | | | | | | Incident Reason: | | INTENTIONAL/PLANNED | |
| | | | | | | Nature of Impact: | | Soil contamination | |
| | | | | | | Receiving Medium: | | LAND | |
| | | | | | | Environmental Impact: | | POSSIBLE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-1 | | lot 35 con 3 NEPEAN TOWNSHIP | 1506066 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437310.6 Northing Nad83: 5020522 Zone: 18 Utm Reliability: margin of error : 100 m - 300 m Construction Date: 8/3/1961 Primary Water Use: Commerical Secondary Water Use: Well Depth (ft): 105 Pump Rate (gpm): 20 Static Water Level (ft): 15 Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Water Supply Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): 295 Elevation Reliability: Read from topographic map, contour interval - 10 f Depth to Bedrock (ft): 40 Overburden/Bedrock: Bedrock Water Type: FRESH Casing Material: STEEL, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 3 | 3 | BROWN | | TOPSOIL | |
| | | | 27 | 30 | BROWN | | CLAY | |
| | | | 10 | 40 | BLUE | | CLAY | |
| | | | 60 | 100 | BLACK | | SLATE | |
| | | | 5 | 105 | BROWN | | SANDSTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-2 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529524 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 9/4/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 37 Pump Rate (gpm): 45 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 37 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 14 | 14 | GREY | | CLAY | |
| | | | 23 | 37 | GREY | | SAND, GRAVEL | |
| | | | 0 | 37 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|---------------------|-----------------|
| WWIS-3 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529537 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 1/31/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 29 Pump Rate (gpm): 13 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 11 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 11 | 11 | GREY | | CLAY, TILL | |
| | | | 18 | 29 | GREY | | DOLOMITE, LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-4 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529538 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/8/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 31 Pump Rate (gpm): 66 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 31 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 11 | 11 | GREY | | CLAY | |
| | | | 20 | 31 | GREY | | SAND, GRAVEL | |
| | | | 0 | 31 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-5 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529539 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/15/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 34 Pump Rate (gpm): 16 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 34 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 13 | 13 | GREY | | CLAY | |
| | | | 21 | 34 | GREY | | SAND | |
| | | | 0 | 34 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-6 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529540 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/18/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 31 Pump Rate (gpm): 54 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 31 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 19 | 19 | GREY | | CLAY, TILL | |
| | | | 12 | 31 | GREY | | SAND | |
| | | | 0 | 31 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-7 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529541 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/27/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 31 Pump Rate (gpm): 65 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): Overburden/Bedrock: Overburden Water Type: Not stated Casing Material: STEEL | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 29 | 29 | GREY | | CLAY, TILL | |
| | | | 2 | 31 | GREY | | SAND, GRAVEL | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-8 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529543 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/26/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 35 Pump Rate (gpm): 45 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 35 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 28 | 28 | GREY | | CLAY | |
| | | | 7 | 35 | GREY | | SAND | |
| | | | 0 | 35 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-9 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529544 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/28/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 37 Pump Rate (gpm): 4 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 37 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 12 | 12 | GREY | | CLAY | |
| | | | 25 | 37 | GREY | | SAND, GRAVEL | |
| | | | 0 | 37 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-10 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529545 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/6/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 33 Pump Rate (gpm): 34 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 33 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 10 | 10 | GREY | | CLAY | |
| | | | 23 | 33 | GREY | | SAND, GRAVEL | |
| | | | 0 | 33 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-11 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529546 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/20/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 27 Pump Rate (gpm): 32 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): Overburden/Bedrock: Overburden Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 21 | 21 | BROWN | | SAND | |
| | | | 6 | 27 | GREY | | TILL | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-12 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529547 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/4/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 33 Pump Rate (gpm): 41 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 33 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 12 | 12 | GREY | | CLAY | |
| | | | 21 | 33 | GREY | | SAND, GRAVEL | |
| | | | 0 | 33 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-13 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529548 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 1/23/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 49 Pump Rate (gpm): 54 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 49 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 25 | 25 | GREY | | CLAY | |
| | | | 24 | 49 | GREY | | SAND, GRAVEL | |
| | | | 0 | 49 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|--------------------|-----------------|
| WWIS-14 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529549 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 2/19/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 35 Pump Rate (gpm): 27 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): Overburden/Bedrock: Overburden Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 6 | 6 | GREY | | CLAY | |
| | | | 29 | 35 | GREY | | SAND, GRAVEL, TILL | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-15 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529523 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 8/22/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 37 Pump Rate (gpm): 45 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 37 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 12 | 12 | GREY | | CLAY | |
| | | | 25 | 37 | GREY | | SAND, GRAVEL | |
| | | | 0 | 37 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|---------------------|-----------------|
| WWIS-16 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529522 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 8/28/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 39 Pump Rate (gpm): 22 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 21 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 21 | 21 | GREY | | CLAY, TILL | |
| | | | 18 | 39 | GREY | | DOLOMITE, LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|-----------------|-----------------|
| WWIS-17 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529521 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 7/24/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 36 Pump Rate (gpm): Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 36 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 8 | 8 | GREY | | CLAY | |
| | | | 28 | 36 | GREY | | SAND, GRAVEL | |
| | | | 0 | 36 | | | ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|---------------------|-----------------|
| WWIS-18 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529520 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 7/22/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 42 Pump Rate (gpm): 13 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 26 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 26 | 26 | GREY | | CLAY, TILL | |
| | | | 16 | 42 | GREY | | DOLOMITE, LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|------------------------------|-----------------|
| WWIS-19 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529519 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 7/26/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 27 Pump Rate (gpm): Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 27 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: OPEN HOLE | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 27 | 27 | GREY | | CLAY, TILL | |
| | | | 0 | 27 | GREY | | DOLOMITE, LIMESTONE, ROCK | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|---------------------|-----------------|
| WWIS-20 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529518 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 7/18/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 61 Pump Rate (gpm): 27 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 20 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 20 | 20 | GREY | | CLAY, TILL | |
| | | | 41 | 61 | GREY | | DOLOMITE, LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|---------------------|-----------------|
| WWIS-21 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529517 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| <div><div>Easting Nad83: 437470.7</div><div>Northing Nad83: 5020390</div><div>Zone: 18</div><div>Utm Reliability: unknown UTM</div><div>Construction Date: 8/26/1996</div><div>Primary Water Use: Not Used</div><div>Secondary Water Use:</div><div>Well Depth (ft): 27</div><div>Pump Rate (gpm):</div><div>Static Water Level (ft):</div><div>Flow Rate (gpm):</div><div>Clear/Cloudy:</div><div>Specific Capacity:</div><div>Final Well Status: Dewatering</div><div>Construction Method: Cable Tool</div><div>Flowing (y/n):</div><div>Elevation (ft):</div><div>Elevation Reliability: Unknown elevation</div><div>Depth to Bedrock (ft): 11</div><div>Overburden/Bedrock: Bedrock</div><div>Water Type:</div><div>Casing Material: PLASTIC, OPEN HOLE</div></div> | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 11 | 11 | GREY | | CLAY, TILL | |
| | | | 16 | 27 | GREY | | DOLOMITE, LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------|---------------------|-----------------|
| WWIS-22 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529516 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 8/27/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 33 Pump Rate (gpm): 22 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 17 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 17 | 17 | GREY | | CLAY, TILL | |
| | | | 16 | 33 | GREY | | DOLOMITE, LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|------------------|-----------------|
| WWIS-23 | | lot 35 con 3 NEPEAN TOWNSHIP | 1528135 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 6/24/1994 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 43 Pump Rate (gpm): 3 Static Water Level (ft): 7 Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Test Hole Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): Overburden/Bedrock: Overburden Water Type: Not stated Casing Material: OPEN HOLE, STEEL | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 6 | 6 | GREY | | CLAY, SANDY | |
| | | | 10 | 16 | BROWN | | MEDIUM SAND | |
| | | | 23 | 39 | GREY | | SAND, SILT, VERY | |
| | | | 4 | 43 | GREY | | CLAY, SANDY | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|--------------------|-----------------|
| WWIS-24 | | lot 35 con 3 NEPEAN TOWNSHIP | 1528134 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 6/23/1994 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 47 Pump Rate (gpm): 30 Static Water Level (ft): 1 Flow Rate (gpm): Clear/Cloudy: CLOUDY Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 47 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: OPEN HOLE, STEEL | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 16 | 16 | GREY | | CLAY | |
| | | | 21 | 37 | GREY | | CLAY, SILTY | |
| | | | 5 | 42 | GREY | | CLAY, SANDY | |
| | | | 5 | 47 | GREY | | TILL, SAND, GRAVEL | |
| | | | 0 | 47 | GREY | | LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------------|--------------------------------------|------------------------|-----------------------------------|-----------------|-----------------|
| WWIS-25 | | lot 35 con 3 NEPEAN TOWNSHIP | 1528133 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 7/5/1994 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 34 Pump Rate (gpm): 13 Static Water Level (ft): 6 Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): Overburden/Bedrock: Overburden Water Type: Not stated Casing Material: STEEL, STEEL, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness</u> <u>(ft)</u> | <u>Original</u> <u>Depth (ft)</u> | <u>Material Colour</u> | <u>Material</u> | | |
| | | | 4 | 4 | GREY | CLAY, SANDY, SAND | | |
| | | | 14 | 18 | BROWN | SAND, BOULDERS, MEDIUM-GRAINED | | |
| | | | 16 | 34 | GREY | SAND, SILT, VERY | | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|--|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|---------------------|-----------------|
| WWIS-26 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529525 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 7/16/1996 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 40 Pump Rate (gpm): 54 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 22 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC, OPEN HOLE | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 22 | 22 | GREY | | CLAY, TILL | |
| | | | 18 | 40 | GREY | | DOLOMITE, LIMESTONE | |

Water Well Information System

| Map Key | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality |
|---|---------|---------------------------------|---------------------------|--------------------------------|------------------------|-----------------|------------------------------|-----------------|
| WWIS-27 | | lot 35 con 3 NEPEAN TOWNSHIP | 1529536 | 035 | 03 | RF | OTTAWA-CARLETON | NEPEAN TOWNSHIP |
| Easting Nad83: 437470.7 Northing Nad83: 5020390 Zone: 18 Utm Reliability: unknown UTM Construction Date: 3/27/1997 Primary Water Use: Not Used Secondary Water Use: Well Depth (ft): 25 Pump Rate (gpm): 25 Static Water Level (ft): Flow Rate (gpm): Clear/Cloudy: CLEAR Specific Capacity: Final Well Status: Dewatering Construction Method: Cable Tool Flowing (y/n): N Elevation (ft): Elevation Reliability: Unknown elevation Depth to Bedrock (ft): 25 Overburden/Bedrock: Bedrock Water Type: Not stated Casing Material: PLASTIC | | | | | | | | |
| | | | <u>Thickness (ft)</u> | <u>Original Depth (ft)</u> | <u>Material Colour</u> | | <u>Material</u> | |
| | | | 16 | 16 | GREY | | CLAY | |
| | | | 9 | 25 | GREY | | SAND | |
| | | | 0 | 25 | GREY | | DOLOMITE, LIMESTONE, ROCK | |

Appendix: Ontario 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 descriptions for more information.

Provincial Government Source Databases:

Abandoned Aggregate Inventory Up to Sept 2002

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 Jan 2010

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 Mines Information System 1800-2005

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.

Borehole 1875-Sept 2010

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-Sept 2002* (for current CofA info please check the EBR Database)

CA

This database contains the following types of approvals: Certificates of Approval (Air) issued under Section 9 of the Ontario EPA; Certificates of Approval (Industrial Wastewater) issued under Section 53 of the Ontario Water Resources Act (“OWRA”); and Certificates of Approval (Municipal/Provincial Sewage and Waterworks) issued under Sections 52 and 53 of the OWRA. For more current Certificate of Approval information please see the EBR database, which will include information such as 'Approval for discharge into the natural environment other than water (i.e. Air) (EPA s.9)', and Approval for sewage works (OWRA s.53(1)).

TSSA Commercial Fuel Oil Tanks 1948-Aug 2010

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.

Coal Gasification Plants 1987, 1988***COAL**

This inventory of all known and historical coal gasification plants was collected by the Ministry of Environment. 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, landuse, soil condition, site operators/occupants, site description, and potential environmental impacts. This information is effective to 1988, but the program has since been discontinued.

Compliance and Convictions 1989-Oct 2010**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.

Drill Holes 1886-2005**DRL**

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

Environmental Registry 1994-Oct 2010**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, licence, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes things like; Approval for discharge into the natural environment other than water (i.e. Air), Permit to Take Water (PTTW), Certificate of Property Use (CPU), Approval for a waste disposal site, Order for preventative measures.(EPA s. 18), Order for conformity with Act for waste disposal sites.(EPA s. 44), Order for remedial work.(EPA s. 17) and many more.

TSSA Fuel Storage Tanks Current to Jun 2010**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-Jan 2010**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.

Mineral Occurrences 1846-Oct 2009**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.

Non-Compliance Reports 1992(water only), 1994-2008**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.

Ontario Oil and Gas Wells 1800-Feb 2010**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.

Ontario Inventory of PCB Storage Sites 1987-Oct 2004**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.

Pesticide Register 1988-Jan 2010**PES**

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

Private and Retail Fuel Storage Tanks 1989-1996***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).

Ontario Regulation 347 Waste Receivers Summary 1986-2008**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-Oct 2010**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. Information available includes Registration Number, Filing Owner, Property Address, Filing Date and Municipality.

Ontario Spills 1988-Jun 2010**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 1990-2008**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).

Waste Disposal Sites - MOE CA Inventory 1970-Sept 2002**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. For more current information for Waste Disposal Sites please see the EBR database, which will include information such as 'Approval for a waste disposal site (EPA s.27)' and 'Approval for use of a former waste disposal site (EPA s.46)'.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory Up to Oct 1990***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-Jan 2010**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.

Federal Government Source Databases:**Diagram Identifier:****Environmental Effects Monitoring 1992-2007*****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.

Environmental Issues Inventory System 1992-2001***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.

Federal Convictions 1988-Jun 2007**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-Oct 2010**FCS**

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks 1964-Sept 2003**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.

Indian & Northern Affairs Fuel Tanks 1950-Aug 2003**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.

National Analysis of Trends in Emergencies System (NATES) 1974-1994***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.

National Defence & Canadian Forces Fuel Tanks Up to May 2001***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.

National Defence & Canadian Forces Spills Mar 1999-Jul 2009**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.

National Defence & Canadian Forces Waste Disposal Sites 2001-April 2007**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.

National Environmental Emergencies System (NEES) 1974-2003**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.

National PCB Inventory 1988-2008**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.

National Pollutant Release Inventory 1993-2008**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.

Parks Canada Fuel Storage Tanks 1920-Jan 2005**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.

Transport Canada Fuel Storage Tanks 1970-March 2007**TCFT**

With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. This inventory will also include The Pickering Lands, which refers to the 7,530 hectares (18,600 acres) of land in Pickering, Markham and Uxbridge - owned by the Government of Canada since 1972. Properties on this land has been leased by the government since 1975, falls under the Site Management Policy of Transport Canada, but administered by Public Works and Government Services Canada. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Private Source Databases:**Anderson's Waste Disposal Sites 1860s-Present****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

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.

Chemical Register 1992, 1999-Jun 2010

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.).

ERIS Historical Searches 1999-Sept 2010

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.

Canadian Mine Locations 1998-2009

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.

Oil and Gas Wells Oct 2001-Sept 2010

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 Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

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

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.

Retail Fuel Storage Tanks 2000-Jun 2010

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. Information is provided on company name, location and type of business.

Scott's Manufacturing Directory 1992-Sept 2009

SCT

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario. Even though Scott's listings are voluntary, it is the most comprehensive database of Ontario manufacturers available. Information concerning a company's address, plant size, and main products are included in this database. This database begins with 1992 information and is updated annually.

Anderson's Storage Tanks 1915-1953*

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.*

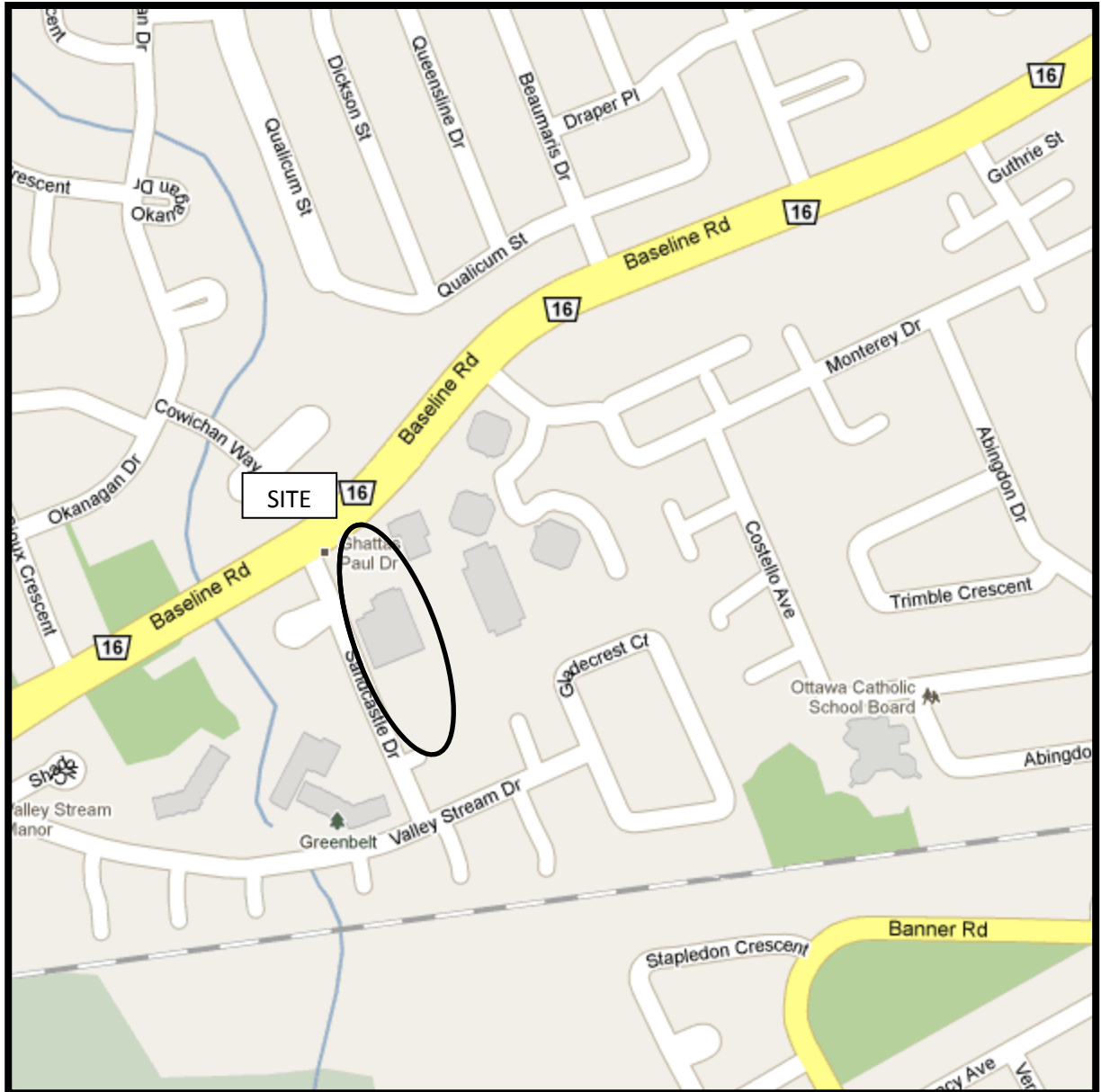
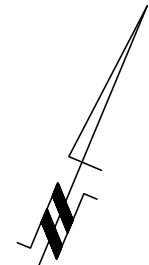


FIGURE 1
KEY PLAN



#2940 BASELINE ROAD
INDUSTRIAL
(FORMER CONSTRUCTION YARD)

TRANSFORMER

MONITORING
WELL

T

CONCRETE
PAD

LOADING
BAY

FILL
PILE

RESIDENTIAL
TOWNHOUSES

ASPHALTIC CONCRETE
PARKING

ASPHALTIC CONCRETE
PARKING

#2946-2948 BASELINE ROAD
BOUCLAIR
QUICKIE CONVENIENCE STORE
FAT ALBERTS
APPLETREE MEDICAL
DENTIST

B A S E L I N E

S A N D C A S T L E

D R I V E

RESIDENTIAL

R O A D

RESIDENTIAL

B R O O K H A V E N

RESIDENTIAL

#80 SANDCASTLE DRIVE
RESIDENTIAL
APARTMENT BUILDING

paterson **g**roup

consulting engineers
28 Concourse Gate, Unit 1, Ottawa, Ontario K2E 7T7

Scale: 1:750

Des.: LAL

Dwnr: MPG

Chkd: MSD

BRIGIL PLATINUM

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
2946-2948 BASELINE ROAD

OTTAWA,

ONTARIO

SITE PLAN

Dwg. No.

PE2176-1

Report No.: PE2176-1

Date: 12/2010