October 2013

REPORT ON

Phase I Environmental Site Assessment
2960 Leitrim Road
Ottawa, Ontario

Submitted to:
Tartan Land Corporation
233 Metcalfe Street,
Ottawa, Ontario
K2P 2C2

Attention: Ms. Melissa Côté

REPORT

Report Number: 13-1122-0211

Distribution:

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Golder Associates

Executive Summary

Golder Associates Ltd. ("Golder") was retained by Tartan Land Corporation ("Tartan") to conduct a Phase I Environmental Site Assessment ("Phase I ESA") for the property located at 2960 Leitrim Road in Ottawa, Ontario (hereinafter collectively referred to as the "Site" or "Phase One Property") as shown on Figures 1 and 2. The Site is located at the southwest quadrant of the intersection of Bank Street and Leitrim Road and currently is vacant land, overgrown with vegetation and agricultural fields. The Site has an approximate area of 58.85 hectares (145.43 acres). It is understood that the Site is proposed to be developed as a residential subdivision.

This Phase I ESA was completed in accordance with the Ontario Regulation (O.Reg.) 153/04 (as amended) and is an upgrade of the Phase I ESA completed in accordance with the Canadian Standards Association document entitled Phase I ESA, Z768 01 (R2006) conducted for the Site in September, 2011 for Tartan by Golder. It is understood that this Phase I ESA is being carried out for Site Plan Application purposes with the City of Ottawa ("the City") and that a Record of Site Condition (RSC) pursuant to *Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Act*, made under the *Environmental Protection Act,* will not be filed for the Site. The 2011 Phase I ESA was upgraded to meet the Phase I ESA requirements as stipulated in the O.Reg. 153/04 (as amended) in order to comply with the City's current Official Plan requirements that all Phase I ESA reports that are submitted for Site Plan Approval have to be completed in accordance with the O.Reg.153/04 as amended.

The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.

The Phase I ESA was completed in accordance with the requirements of Schedule D of O.Reg.153/04 as amended and included a review of available current and historical information regarding the Site and surrounding properties, a Site reconnaissance, interviews, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 8.0 of this report. The Site is not considered an enhanced investigation property as defined by O. Reg. 153/04.

Based on the information provided by the Site owner and the City of Ottawa geo-map, the legal description of the Site is Concession 4 RF, PT Lot 16, RP 4R25948 Parts 1, 2, 4 and 5, Geographic Township of Gloucester. The Site municipal address is 2960 Leitrim Road, Ottawa, Ontario.

At the time of the Site visit on October 25, 2013, the Site was vacant land occupied only by agricultural fields and trees and vegetation. No operations other than agricultural were being carried out at Site.

Historically, the Site was used for agricultural purposes and has never been developed. No operations other than agricultural have been carried out at the Site.

At the time of the Phase I ESA, the neighbouring properties within the Phase One Study Area were used for industrial, commercial and residential purposes or were vacant forested lands.

Based on the information collected as part of this Phase One ESA, no areas of potential environmental concern (APECs) were identified on the Site and no potentially contaminating activities (PCAs) were identified on the Site or on the Phase One Study Area.

However, the following is recommended in conjunction with developing the Site:

- Should a water well(s) be found during development of the Site, they should be decommissioned as per *Ontario Regulation (O. Reg.) 903.*
- The debris observed in the central part of the Site during the Site visit, which consisted of wood, cardboards and cut trees and branches should be removed and properly disposed of during the Site development.

Species at risk and species of concern have been identified by the MNR to be present on the Site or on the nearby lands. It is recommended that a field survey be completed by a field biologist to determine if any of these species are present (provided it was undertaken in the appropriate season). If any are seen on Site, then the MNR may need to be engaged.

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1.0 INTRODUCTION

1.1 Phase I Property Information

Golder Associates Ltd. ("Golder") was retained by Tartan Land Corporation ("Tartan") to conduct a Phase I Environmental Site Assessment ("Phase I ESA") for the property located at 2960 Leitrim Road in Ottawa, Ontario (hereinafter collectively referred to as the "Site" or "Phase One Property") as shown on Figures 1 and 2. The Site is located at the southwest quadrant of the intersection of Bank Street and Leitrim Road and currently is vacant land and overgrown with vegetation. The Site has an approximate area of 58.85 hectares (145.43 acres). It is understood that the Site is proposed to be developed with a residential subdivision

The general Site location is shown on Figure 1.

Based on the information provided by the Site owner and the City of Ottawa geo-map, the legal description of the Site is Concession 4 RF, PT Lot 16, RP 4R25948 Parts 1, 2, 4 and 5, Geographic Township of Gloucester. The Site municipal address is 2960 Leitrim Road, Ottawa, Ontario.

Authorization to proceed with this Phase I ESA was received from Ms. Melissa Côté at Tartan on October 17, 2013.

Contact information for the Site including the current owner is provided as follows:

Table 1: Phase I ESA Property Information

Address	Current Site Owner	Contact Information
2960 Leitrim Road Ottawa, ON	Tartan Land Corporation	Ms. Melissa Côté Tartan Land Corporation 233 Metcalfe Street, Ottawa, Ontario K2P 2C2 Email: mcote@tartanland.on.ca Tel: 613-238-2040 ext. 276

A Site plan is provided as Figure 2. A plan of survey for the Site is provided in Appendix A.

2.0 SCOPE OF INVESTIGATION

A Phase I ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the subject property and also a review of relevant and readily available environmental information for the surrounding properties within 250 m radius of the boundaries of the Site (collectively referred as “Phase I Study Area).

According to Ontario Regulation (O.Reg. 153/04) the objectives of a Phase I ESA are:

1) To develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase I Study Area.

2) To assess the need for Phase II Environmental Site work.

3) To provide a basis for carrying out any Phase II Environmental Site work.

4) Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Phase One Property for the conduct of a risk assessment following completion of a Phase II ESA, if needed.

5) To identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.

This Phase I ESA was completed in accordance with the Ontario Regulation (O.Reg.) 153/04 (as amended) and is an upgrade of the Phase I ESA completed in accordance with the Canadian Standards Association document entitled Phase I ESA, Z768 01 (R2006) conducted for the Site in September, 2011 for Tartan by Golder. It is understood that this Phase I ESA is being carried out for Site Plan Application purposes with the City of Ottawa (“the City”) and that a Record of Site Condition (RSC) pursuant to *Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Act*, made under the *Environmental Protection Act,* will not be filed for the Site. The 2011 Phase I ESA was upgraded to meet the Phase I ESA requirements as stipulated in the O.Reg. 153/04 (as amended) in order to comply with the City’s current Official Plan requirements that all Phase I ESA reports that are submitted for Site Plan Approval have to be completed in accordance with the O.Reg.153/04 as amended.

The Site is not considered an enhanced investigation property as defined by O.Reg. 153/04 (as amended).

3.0 HISTORICAL RECORDS REVIEW

3.1 General

3.1.1 Phase I Study Area Determination

For the purpose of this Phase I ESA, the Phase I Study Area is defined as the Site and the area within approximately 250 m of the boundaries of the Site. Based on Golder's review of the historical and current information completed as part of the Phase I ESA for the area surrounding the Site and observations made during the Site visit, it was concluded that assessing information pertaining to properties within 250 m of the Site was sufficient to achieve the objective of the Phase I ESA.

3.1.2 First Developed Use Determination

Based on the information obtained in interviews and documentation reviewed (discussed in the next sections of this report), the Site has never been developed and has only been used for agricultural purposes. The following rationale was used to support that the Phase I property has never been developed:

- The 1945 aerial photograph shows the Site as vacant land used for agricultural purposes. The subsequent aerial photographs (1956, 1968, 1971, 1986, 1994, 2002, 2005, 2008 and 2011) show the Site still as vacant land with no building structures; and,
- The Site owner indicated that the Site has never been developed and has been vacant land used only for agricultural purposes.

3.1.3 Review of Fire Insurance Maps and Reports

Golder conducted a search of available Fire Insurance Plans (FIPs) at the National Archives in Ottawa, Ontario to review fire insurance plans or drawings for the Site. No FIPs were available for the Site.

3.1.4 Chain of Title

Chain of Title information was not ordered as the Site has never been developed. It is considered that the information to be provided in a Chain of Title would not contribute additional environmental information relevant to the Phase I ESA.

3.1.5 Environmental Reports

A Phase I ESA in accordance with CSA Phase I ESA Standard Z768 01 was completed for the Site by Golder in 2011 described in the environmental report entitled *"Phase I Environmental Site Assessment, 4570 Bank Street, Ottawa, Ontario"* prepared for Tartan, dated September 2011 (2011 Golder Phase I ESA). The Phase I ESA was completed for due diligence purposes associated with the potential purchase of the Site. The municipal address of the Site at the time of the 2011 Phase I ESA was 4570 Bank Street and the current municipal address of the Site is 2960 Leitrim Road. At the time of the 2011 Golder Phase I ESA, the Site was vacant land overgrown with vegetation. Based on the information obtained during the 2011 Golder Phase I ESA, the following issues of potential environmental concern associated with potential off-Site sources of contamination were identified for the Site:

- The review of the historical information for the Site indicated that the former Gloucester landfill (ID# GI-1) was located approximately 1.5 km west of the Site (west of Albion Road). Given the relatively close proximity of the former landfill to the Site and that the former landfill was located hydraulically cross to up-gradient with respect to the Site (inferred groundwater flow direction is towards north, northeast), it was considered that this is an issue of potential environmental concern for the Site;

- The review of the EcoLog ERIS report indicated that a number of waste generators, manufacturing facilities, and a private fuel outlet were located on adjacent lands west of the Site. The private fuel outlet reportedly consisted of one single wall gasoline containing underground storage tank (UST) with capacity of 9,000 L, installed in 1976. The UST was located at 4549 South Creek Lace (TP Crawford Ltd), adjacent property west of the Site. Given that these facilities are located on adjacent lands up-gradient to cross gradient with respect to the Site, it was considered that the presence of these facilities is an issue of potential environmental concern for the Site; and,
- The review of the EcoLog ERIS report and the information provided by Technical Standards and Safety Authority (TSSA) indicated that a private fuel outlet associated with the Gloucester City Works Yard is located on adjacent land east of the Site (4550 Bank Street, currently 3200 Leitrim Road). According to the information provided by EcoLog ERIS report, three (3) fuel containing single wall USTs with capacity of 22,700 L each were installed on this facility in 1979. In addition, it was indicated that three (3) fuel aboveground storage tanks (ASTs) installed in 2007 which were also observed at the time of the Site visit are present on the Gloucester City Works Yard. The presence of the three single wall fuel USTs in close proximity to the Site was considered to be an issue of potential environmental concern for the Site.

Following the completion of the Phase I ESA, a soil and groundwater investigation was completed at the Site by Golder in 2011 to address the off-Site potentially contaminating activities (PCAs) identified in the 2011 Golder Phase I ESA. The findings of the soil and groundwater investigation were described in a technical memorandum entitled *"Groundwater and Soil Sampling, 4570 Bank Street, Ottawa, Ontario"* prepared for Tartan by Golder, dated October 5, 2011 (2011 Golder Soil and Groundwater Investigation). The scope of work of the 2011 Golder Soil and Groundwater Investigation included the following:

- Groundwater sampling of a monitoring well BH/MW 11-1 drilled as part of the geotechnical investigation completed at the Site by Golder in 2011 and laboratory analyses for petroleum hydrocarbons (PHC) Fraction 1 to Fraction 4, volatile organic compounds (VOC), 1,4 dioxane, polycyclic aromatic hydrocarbons (PAH) and metals. BH/MW 11-1 is located at the northwest corner of the Site and was sampled in order to address the potential issue of concern associated with the former presence of the Gloucester landfill approximately 1.5 km west of the Site and the presence of industrial park on adjacent land west of the Site;
- Drilling of borehole BH/MW4 and installing of a monitoring well in the southwest corner of the Site in order to address the potential issues of concern associated with the former presence of the Gloucester landfill approximately 1.5 km west of the Site and the presence of a fuel single wall UST on adjacent land west of the Site (4549 South Creek Lace). Soil and groundwater samples were collected from BH/MW4 and one selected worst case soil and the groundwater sample were submitted for laboratory analyses of PHC F1 to F4, VOCs, PAHs and metals; and,
- Drilling of borehole BH/MW1 and installing of a monitoring well in the northeast corner of the Site in order to address the potential issues of concern associated with the presence of three fuel single wall USTs and three ASTs on the adjacent land east of the Site (4550 Bank Street, Gloucester municipal yard). Collecting soil and groundwater samples from BH/MW1 and submitting of one selected worst case soil sample and the groundwater sample for laboratory analyses of PHC F1 to F4, benzene, toluene, ethylbenzene, and xylenes (BTEX) and/or metals.

The locations of the boreholes and monitoring wells completed during the 2011 Golder Soil and Groundwater Investigation are shown on Figure 2 of this report.

Based on the results the 2011 Golder Soil and Groundwater Investigation concluded the following:

- None of the parameters analyzed in groundwater had concentration above the applicable MOE Table 3 Standards (April 15, 2011) with the exception of chloroform in the groundwater sample collected from BH/MW 4, which exceeded its Table 3 Standard by 50%. In the absence of other VOCs in this groundwater sample, it was considered that the presence of chloroform is most likely due to municipal water used during the coring at BH/MW4. As such, the groundwater in the sampled locations was not contaminated in terms of the regulation;
- The concentrations of the parameters analysed in soil were either below the analytical detection limits or at concentrations below the MOE Table 3 Standards (April 15, 2011). Thus, the soil at the sampled locations was not contaminated in terms of the regulation; and,
- Based on the field observations and on the soil and groundwater analytical results it was considered that the subsurface at the Site in the investigated areas near the identified off-Site potential sources of contamination has not been impacted by the said sources and as such, no further work was recommended at the time.

Based on the information obtained from the review of the above listed reports, it is considered that the off-Site PCAs identified during the 2011 Golder Phase I ESA have not resulted in areas of potential environmental concern (APECs) on the Site based on the following considerations: 1) the scope of work of the 2011 Golder Soil and Groundwater Investigation was sufficient to address the off-Site PCAs identified in the 2011 Golder Phase I ESA and 2) the results of the soil and groundwater sampling completed at the Site in 2011 indicated that the concentrations of the contaminants of concern (PHC F1 to F4, VOCs, BTEX, PAHs and metals) in soil and groundwater meet MOE Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act *Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Residential/Parkland/Institutional Property Use, coarse-textured soil, (2011 MOE Table 3)* dated April 15, 2011, with the exception of chloroform in one of the groundwater samples. However, as it was already indicated in the absence of other VOCs in this groundwater sample, it is considered that the presence of chloroform is most likely due to municipal water used during the coring at this borehole location and is not associated with the off-Site PCAs.

As such, it is considered that the off-Site PCAs identified in the 2011 Golder Phase I ESA do not represent an issue for the Site and do not result in APECs on the Site.

3.1.6 Review of Street Directories

A review of street directories at the National Archives in Ottawa, Ontario was completed for the Site and addresses within approximately 250 m of the Site for years 1980, 1987, 1992, 1998/99, 2002/03, 2008/09. Based on the review of the street directories the following was noted:

- The addresses located between 4500 and 4639 Bank Street including the Site address (2960 Leitrim Road, formerly 4570 Bank Street) were not listed until 2002/03 when were first listed as residential, cemetery and commercial properties. The same addresses were listed as residential properties in 2008/09;
- 2759 Fenton Street (approximately 250 m west of the Site) was listed in 1998/99 as R and R Auto Repair. The same address was listed as Chem Dry Canada in 2008/09;
- 2623 and 2683 Fenton Street (approximately 225 m west of the Site) were listed as Pryor Metals in 1998/99 and 2002/03, respectively;

- The surrounding lands west of the Site were first listed in 1998/99 and have been mainly listed as industrial and commercial properties until present;
- The lands east of the Site were first listed in 2002/03 as residential, commercial, and industrial properties; and,
- The lands north of the Site were not listed because they are vacant lands; and the lands south of the Site are listed as cemetery in 2002/03.

The review of the street directories indicated that the adjacent lands west of the Site have been occupied by industrial and commercial properties since 1998/99. Potential environmental issues associated with the presence commercial/industrial facilities on adjacent lands west of the Site were previously investigated in 2011 by Golder (refer to section 3.1.5 of the report). Given that no impacts to soil or groundwater were identified, it is considered that this off-Site PCA does not result in APECs on the Site.

3.2 Environmental Source Information

3.2.1 Ministry of the Environment Correspondence

As part of the 2011 Golder Phase I ESA, Golder contacted MOE contacted (refer to copy of correspondence in Appendix B) to provide an Index Report with respect to active orders and approvals for the Site (former municipal address 4570 Bank Street) as detailed below:

- Active orders under the Environmental Protection Act (EPA), the Ontario Water Resources Act (OWRA), and the Pesticides Act (PA); and,
- Approvals under Sections 9 and 39 of the EPA as well as Sections 52 and 53 of the OWRA.

A formal response from the MOE was received by Golder on October 18, 2011 as part of the 2011 Golder Phase I ESA. The review of the MOE response indicated that no Active Orders or Certificate of Approvals have been issued for the Site.

3.2.2 City of Ottawa Correspondence

As part of the 2011 Golder Phase I ESA, Golder forwarded a request to the City of Ottawa (City) (refer to copy of correspondence in Appendix B), for the following information for the Site:

- Approvals;
- Reports relating to environmental concerns;
- Records of non-compliance or regulatory concerns;
- Dumping infractions, spills or discharges to the environment;
- Violations of sewer use or environmental by-laws;
- Historic information related to landfill or dump sites on or in proximity to the Site; and,
- Any other environmental information.

A formal response from the City was received by Golder on September 29, 2011 as part of the 2011 Golder Phase I ESA. The review of the City response indicated the following:

- The information obtained from the Internal Department Circulation indicated that no records were found for the Site.
- According to the information obtained from the City of Ottawa Historical Land Use Inventory ("HLUI") the following was noted:
  - There are three activities associated with the Site. However, based on the historical information obtained for the Site and surrounding properties and based on the observations made during the Site visit, it is considered that the activities listed for the Site are associated with the surrounding lands;
  - The adjacent land east of the Site (3200 Leitrim Road) was occupied by the City of Gloucester Leitrim Work Site and Garage with associated bulk sand and salt storage, trucks and heavy equipment storage and repairs and three gas and diesel pumps on the property, Smith's Farm Equipment Wholesale (4590 Bank Street ,approximately 90 m east of the Site), Ron's Auto Repair and Used Cars, Hodging Asphalt Sealers, M-Custom Welding (4603 Bank Street, approximately 120 m east of the Site, across Bank Street);
  - The adjacent lands south of the Site were occupied by Hope Cemetery (4660 Bank Street, south of the Site);
  - The adjacent lands west of the Site were occupied by commercial/industrial facilities including leather and allied products industry, mechanical works, structural related work, motor vehicle services, ready mix concrete industry, heating equipment industry, glass and glass products, lumber and building materials wholesale, household furniture stores, electric power systems industry.

Potential environmental issues associated with the presence of City of Gloucester Leitrim Work Site and Garage and commercial/industrial facilities on adjacent lands east and west of the Site, respectively, were previously investigated in the 2011 by Golder (refer to section 3.1.5 of the report). Given that no impacts to soil or groundwater were identified at the Site, it is considered that these off-Site PCAs do not result in APECs on the Site and as such, are not considered to be an issue of potential environmental concern for the Site.

Given that Ron's Auto Repair and Used Cars at 4603 Bank Street is located approximately 120 m east of the Site and across Bank Street, the Site is separated from this facility by Bank Street and underlying services and the facility is located hydraulically down to cross gradient of the Site (inferred groundwater flow direction is in north, northeast direction, towards Sawmill Creek located approximately 1 km north of the Site), the presence of this facility is not considered to be an issue of potential environmental concern for the Site.

3.2.3 City of Ottawa Document Review

Prior to the 2001 amalgamation, the City did not have a consolidated database of environmental concerns for City properties and typically referred all inquiries to the *1988 Mapping and Assessment of Former Industrial Sites, City of Ottawa, Intera Technologies Ltd.* (hereafter known as the "1988 Intera Report"). This report describes an inventory and assessment study of former industrial sites that were active in the former (prior to the 2001 amalgamation) City of Ottawa from 1850 to 1984 that likely produced or handled hazardous wastes and materials. Since the Site was not within the former City of Ottawa municipal boundary (prior to 2001 amalgamation) a review of the 1988 Intera report was not performed as a part of this Phase I ESA.

The review of the *2004 City of Ottawa Waste Disposal Sites Inventory* indicated that the Site is not registered as an active or closed waste disposal site, but the following former waste disposal sites were located within 5 km of the Site:

- The former Gloucester landfill (ID# GI-1) was located approximately 1.5 km west of the Site (west of Albion Road). The potential for subsurface impacts on the Site due to this off-Site PCA has been previously investigated by Golder (refer to section 3.1.5 of this report) and no subsurface impacts were identified. As such, it is considered that this off-Site PCA does not result in APECs on the Site; and,
- The former Albion and Rideau Disposal Site (ID# GI-2) was located approximately 4.2 km south of the Site. Given the distance between this former waste disposal site and the Site, it is considered that the likelihood for subsurface impacts on the Site due to the former presence of this potential source of contamination is low.

3.2.4 Ministry of Natural Resources (MNR)

An information request was sent to the Ministry of Natural Resources ("MNR") October 22, 2013. Records requested included any information relating to areas of natural significance in the vicinity of the Site, as well as any other environmental concerns that may be related to the Site and surrounding area.

The MNR responded to Golder's request on October 24, 2013 with the following comment:

- There are no known Natural Heritage Features (Provincially Significant Wetlands, Areas of Natural and Scientific Interest, etc.) identified on or in close proximity to the Site.

The MNR indicated that the following five species at risk have potential to be present on the Site or in close proximity to it:

- Barn Swallow (THR)
- Blanding's Turtle (THR)
- Butternut (END);
- Eastern Meadowlark (THR);
- Henslow's Sparrow (END); and,
- Whip poor will (THR).

The MNR indicated that one or more Special Concern species have been documented to occur either on the Site or nearby:

- Common Nighthawk (SC);
- Eastern Ribbonsnake (SC);
- Milksnake (SC);
- Red-head Woodpecker (SC); and,
- Snapping Turtle (SC).

These species and their habitats are protected by the Endangered Species Act and it is recommended that field surveys be conducted if the proposed work involves removal or disturbance of natural areas (including overgrown grass areas).

It is likely that a single site visit by a field biologist would be sufficient to determine if any of these species are present (provided it was undertaken in the appropriate season). If any are seen on Site, then the MNR may need to be engaged.

3.2.5 Technical Standards and Safety Authority Correspondence

The Technical Standards and Safety Authority (TSSA) was contacted via e-mail (refer to copy of correspondence in Appendix B) to determine if any commercial fuel underground storage tanks (USTs) were registered on the Site or on the surrounding properties within 250 m of the Site. It should be noted that there is currently no requirement in Ontario to register private underground fuel oil storage tanks for heating purposes. The TSSA has maintained records since 1989.

Mrs. Sarah Quibell of the TSSA replied on October 22, 2013 and indicated that the TSSA have no records for any fuel storage tanks on the Site and that TSSA has a record of three active aboveground storage tanks at 4550 Bank Street, adjacent property east of the Site (also shown as 3200 Leitrim Road on the City of Ottawa geo-map). 4550 Bank Street or 3200 Leitrim Road is occupied by the Gloucester City Works Yard.

The issues of potential environmental concern associated with this facility were previously addressed (refer to section 3.1.5 of this report). As such the presence of the Gloucester City Works Yard on adjacent land east of the Site is not considered to be a PCA for Site.

3.2.6 EcoLog ERIS Report

As part of the 2011 Golder Phase I ESA, Golder contracted the services of EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS) to conduct a search of their federal, provincial and private sector databases for information on the Site and surrounding area within 250 m of the Site. The complete EcoLog ERIS report, including a brief description of each of the databases searched for the Phase I ESA is included in Appendix C. The following is a summary of the findings as identified within the EcoLog ERIS report for the Site and for the surrounding properties within the Phase I Study Area:

On-Site

Water Well Information System

The EcoLog ERIS report listed ten (10) water well records on the Site. It was indicated that the wells were drilled between 1964 and 1985 and were used for industrial or domestic water supply.

Mineral Occurrences

The EcoLog ERIS report listed one mineral occurrence on the Site consisting of shale (crushed stone).

Surrounding Properties within 250 m of the Site

Boreholes

The EcoLog ERIS report listed sixteen (16) boreholes within 250 m of the Site. Some of the boreholes were drilled for geotechnical/geological investigation purposes. No information regarding the purpose of the drilling of the remaining boreholes were provided.

Certificates of Approval

The EcoLog ERIS report listed seven (7) certificates of approval (C of A) within 250 m of the Site. The C of A were for air, municipal and private sewage works or industrial air.

Commercial Fuel Oil Tanks

The EcoLog ERIS report listed W. O. Stinson and Son Ltd. located at 4727 Bank Street (approximately 250 m southeast of the Site, across Bank Street) as having one 2,200 L steel commercial oil tank installed in 1991.

Environmental Registry

The EcoLog ERIS report listed four (4) companies registered in the Environmental Registry that have an approval for discharge into the natural environment other than water, within 250 m of the Site.

Fuel Storage Tank

The EcoLog ERIS report listed the following fuel storage tanks:

Company	Address / Location relative to the Site	Description of the tanks
City of Ottawa Accounts Payable registered as a private fuel outlet (Gloucester City Works Yard)	4550 Bank Street or 3200 Leitrim Road (adjacent property east of the Site)	Three (3) AST as follows: ■ 22,700 L liquid fuel diesel; ■ 4,682 L liquid fuel gasoline; and, ■ 9,186 L liquid fuel diesel. It was indicated that the three ASTs were installed in 2007, were double walled and were painted. Three (3) USTs as follows: ■ 2 x 22, 700 L liquid fuel gasoline; and, ■ 22, 700 L liquid fuel diesel. It was indicated that the three USTs were installed in 1979 and were single wall.
W. O. Stinson and Son Ltd registered as retail fuel outlet	4726 Bank Street (approximately 250 m southeast of the Site)	Five (5) fibreglass and double wall USTs, installed in 1998 as follows: ■ 25,000 L diesel; ■ 2 X 25,000 L gasoline; ■ 50,000 L diesel; and, ■ 50,000 L gasoline. It was indicated that the five USTs are. Six (6) USTs single wall with sacrificial anode protection, installed in 1981 as follows: ■ 15,000 L diesel; ■ 3 X 25,000 L gasoline; ■ 4,500 L gasoline; and, ■ 50,000 L diesel.

Company	Address / Location relative to the Site	Description of the tanks
TP Crawford Ltd. registered as a private fuel outlet	4549 South Creek Lace (adjacent property west of the Site)	One (1) single wall gasoline containing UST installed in 1976. It was indicated that the capacity of the UST is 9,000 L.

Waste Generators

The EcoLog ERIS report listed fifty-five (55) Waste Generators within 250 m of the Site. Details regarding the waste generators and the hazardous wastes generated are provided in the EcoLog ERIS report attached in Appendix B.

National PCB Inventory

The EcoLog ERIS report listed Gloucester Hydro and Hydro Ottawa, both located at 4565 Bank Street (approximately 250 m east of the Site, across Bank Street) as registered in the National PCB Inventory.

Pesticide Register

The EcoLog ERIS report listed Knippel Peter Nursery Inc. located at 4590 Bank Street (approximately 130 m south of the Site) as a limited pesticides vendor.

Private and Retail Fuel Storage Tanks

The EcoLog ERIS report listed the following private fuel outlets within 250 m of the Site:

- Corporation of the City of Gloucester located at 4550 Bank Street or 3200 Leitrim Road (adjacent property east of the Site). It was indicated that the fuel tanks capacity is 68,190 L. During the Site visit it was observed that three (3) fuel ASTs installed on a concrete island were present on this property. The condition of the ASTs appear to be good and no evidence of spills or leaks was observed in the area of the ASTs at the time of the Site visit;
- W.O. Stinson and Son Ltd. located at 4727 Bank Street (approximately 250 m southeast of the Site, across Bank Street). It was indicated that the fuel tank capacities are 190,000 L and 2,000 L; and,
- TP Crawford Ltd. located at 4549 South Creek Place (adjacent property west of the Site). It was indicated that the fuel tank capacity is 9,000 L.

Retail Fuel Storage Tanks

The EcoLog ERIS report listed Stinson W.O. and Son Ltd. located at 4726 Bank Street (approximately 250 m southeast of the Site) in the retail fuel storage tanks inventory. It was indicated that the facility has propane gas sale and services.

Scott's Manufacturing Directory

The EcoLog ERIS report listed seventeen (17) companies within 250 m of the Site that are registered in the Scott's Manufacturing Directory. Some of the manufacturing activities included plate work and fabricated structural product manufacturing, railroad rolling stock, medical equipment and supplies, sign, industrial and commercial machinery, semiconductors and electronics, aerospace products and parts manufacturing, wholesalers and distributors of electronic components, computers, professional machinery, equipment and supplies.

Water Well Information System

The EcoLog ERIS report listed thirty-one (31) water well records within 250 m of the Site. It was indicated that the wells were used for domestic, industrial or commercial water supply or were used for monitoring purposes.

Ontario Spills

The EcoLog ERIS report listed a number of spill occurrences within a 250 m radius of the Site. The information is presented in the table below:

Spill Occurrences within 250 m Radius of the Site

Company	Address / Location relative to the Site	Date of Occurrence	Description
B&M Carriers	Gloucester City Works Yard, southwest corner of Leitrim Road and Bank Street (adjacent land east of the Site)	August 25, 1993	150 L hydraulic oil spilled to ground. It was indicated that the spill was due to pipe/hose leak and that environmental impact is not anticipated.
Private residence	Beside 4727 Banks Street (approximately 250 m southeast of the Site, across Bank Street)	April 6, 1994	Unknown quantity of furnace oil was spilled from furnace oil tank to ground due to leak. It was indicated that soil contamination was confirmed.
Apex Transport (transport truck cargo)	4542 Southclark place (approximately 150 m west of the Site)	May 8, 1996	Unspecified quantity of Apex Express-ink was spilled to ground. It was indicated that the spill was cleaned-up and that soil contamination was confirmed.

In summary, our review of the EcoLog ERIS report indicated that a number of waste generators, manufacturing facilities, and a private fuel outlet with one single wall gasoline containing UST installed in 1976 (TP Crawford Ltd.) were located on adjacent lands west of the Site. In addition, a private fuel outlet associated with the Gloucester City Works Yard is located on adjacent land east of the Site. According to the information provided by EcoLog ERIS report, three (3) fuel single wall USTs were installed on this facility in 1979. It was further indicated that three (3) fuel ASTs installed in 2007 which were also observed at the time of the Site visit are present on the Gloucester City Works Yard. Potential for subsurface impacts on the Site due to the presence of these off-Site PCAs was investigated by Golder in 2011 (refer to section 3.1.5 of this report). Given that no soil or groundwater impacts were identified at the Site, it is considered that the presence of these off-Site PCAs is not an issue of potential environmental concern for the Site.

There are also a number of waste generators, fuel USTs and a spill occurrence on the lands between 150 and 250 m east and southeast of the Site. Given that these facilities are located hydraulically cross –gradient with respect to the Site and are separated from the Site by roads and underlying services, it is considered that the likelihood for subsurface impacts on the Site due to these facilities is low.

3.3 Physical Settings Sources

3.3.1 Aerial Photographs

Selected aerial photographs for the Site were obtained from the National Air Photo Library ("NAPL") in Ottawa, Ontario for years 1945, 1956, 1968, 1971, 1986, and 1994. In addition, the aerial photographs for 1965, 1976, 1991, 1999, 2002, 2005, 2007 to 2011 from the City of Ottawa geo-map (http://maps.ottawa.ca/geoOttawa/) were reviewed on-line. Golder selected aerial photographs based on availability and date intervals, in order to help develop an understanding of the history of the development of the Site and surrounding properties (within 250 m). Copies of all the aerial photographs obtained from the National Air Photo Library are presented in Appendix D.

Information obtained from the review of relevant aerial photographs is summarized in the table below.

Table 2: Aerial Photographs

Date Scale	Site	Surrounding Property Direction			
		North	East	South	West
1945 1:15,000 and 1:17,000	The Site is vacant land which appears to be used for agricultural purposes in its majority.	Leitrim Road followed by agricultural lands and scattered farm houses	Farm house with associated structures followed by Bank Road, agricultural lands and scattered farm houses.	Agricultural land and isolated farm houses mainly located along Bank Road.	Agricultural lands with scattered farm houses followed by Albion Road and agricultural and forested lands.
1956 1:10,000	As per 1945	As per 1945	As per 1945	As per 1945	As per 1945 with the addition of more houses along Leitrim Road further to the west.
1968 1:6,000	Only the central and west parts of the Site are visible on this aerial photograph. The west and central parts of the Site are occupied by agricultural and forested lands, respectively.	Agricultural and forested lands.	Not visible on this aerial photograph.	Agricultural lands.	Agricultural lands and scattered farm houses.

Date Scale	Site	Surrounding Property Direction			
		North	East	South	West
1971 1:25,000	The Site is vacant land and moat of the Site is used for agricultural purposes	A house and associated auxiliary structures appear on the lands immediately north of the central part of the Site followed Leitrim Road followed by vacant lands and isolated houses	Farm houses followed by Bank Road, vacant lands and houses located along Bank Road	Vacant and forested lands	As per 1968. Gloucester landfill is visible on this aerial photograph approximately 1.5 km west of the Site (west of Albion Street). A golf course is visible approximately 1.7 km northwest of the Site
1986 1:15,000	As per 1971	More houses appear on the lands immediately north of the central part of the Site. A residential development appears further to the north of the Site, west of Bank Street	As per 1971 with the addition of more houses along Bank Road and further to the east	A cemetery followed by vacant lands	Industrial park followed by Albion Road, building structures (residential and commercial) and forested lands. Gloucester landfill is not visible on this aerial photograph.
1994 1:10,000	As per 1986	As per 1986, however it appears that some of the structures located on the lands immediately north of the central part of the Site and observed on 1986 aerial photograph were demolished and do not appear on this aerial photograph	Not visible on this aerial photograph	As per 1986.	As per 1986

Date Scale	Site	Surrounding Property Direction			
		North	East	South	West
2002 City of Ottawa geo-map	As per 1994	As per 1994	Commercial buildings followed by Bank Road and commercial and industrial buildings	As per 1994	As per 1994
2005 City of Ottawa geo-map	As per 2002	As per 2002	As per 2002	As per 2002 with the addition of residential subdivision further to the south	As per 2002
2008 City of Ottawa geo-map	As per 2005	As per 2005	As per 2005	As per 2005	As per 2005

The review of aerial photographs of the Site and surrounding area indicates that the Site has never been developed and was only used for agricultural purposes. The surrounding lands were vacant or agricultural lands with scattered farm houses prior to 1971 when lands immediately north of the central part of the Site and south of Leitrim Road were developed with several houses. Between 1971 and 1986 the surrounding lands were gradually developed with an industrial park to the west, commercial and industrial buildings to the east, a cemetery and residential subdivision to the south and a residential development to the northeast of the Site. The former Gloucester landfill located approximately 1.5 km west of the Site was visible in 1971 aerial photograph.

The potential for subsurface impacts on Site associated with the former presence of the Gloucester landfill approximately 1.5 km west of the Site was previously investigated by Golder (refer to section 3.1.5 of this report). Given that no soil or groundwater impacts were identified at the Site during the 2011 soil and groundwater investigation, it is considered that the former presence of the Gloucester landfill is not an issue of potential environmental concern for the Site.

The aerial photographs review did not indicate any issues of potential environmental concern.

3.3.2 Topography, Hydrology, Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Site. A topographic map (Ontario Base Map) showing the Site and the Phase I Study Area and the location of any water bodies is provided in Figure 3. Refer to Section 5.0 for additional information on Site features, as observed at the time of the Site visit.

Topic	Conditions	Comment / Source
Topography of Site and Surrounding Area	The topography of the Site is generally flat in the western part and uneven in the central and east parts. The central and east parts of the Site slope downwards to north and west.	Site and surrounding area observations and Figure 3 – Topographic Map

Topic	Conditions	Comment / Source
Overburden Soils	Near shore sediments: fine to medium grained sand in the west part of the Site and till, plain with local relief <5m in the east part of the Site	Map 1506A, *Surficial Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001.
	Sand and silt, overlying glacial till	Geotechnical Report completed at the Site by Golder in 2011
Type of Bedrock	March Formation (Sandstone and Dolomite, interbedded) in the west and central part of the Site, Verulam Formation (Limestone and Shale, interbedded) in the eastern part of the Site; and Carlsbad Formation (Shale) in the very eastern part of the Site	Map 1508A. *Generalized Bedrock Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001.
	Grey dolomitic limestone	Geotechnical Report completed at the Site by Golder in 2011 and EcoLog ERIS report
Depth to Bedrock	5-10 m in the west and east part of the Site and 2 to 5 m in the central part of the Site	Map 1508A. Generalized Bedrock Geology, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001
	2 to 7 mbgs	Geotechnical Report completed at the Site by Golder in 2011
Inferred Local Groundwater Flow	North to northeast towards Sawmill creek located approximately 1 km north of the Site	Figure 3 – Topographic Map
Site Grade Relative to the Adjoining Properties	The west part of the Site is generally at grade with the surrounding lands south and west of the Site, the central and east parts of the Site are slightly above the grade of the lands north of the Site and below the grade of the lands east of the Site.	Site observations
Depth to Groundwater	2 to 5 mbgs	Geotechnical Report completed at the Site by Golder in 2011
	Between 1.22 and 7.62 mbgs	The EcoLog ERIS database report

3.3.3 Fill Materials

Topic	Conditions	Comment / Source
Fill Materials	No piles of fill material were observed during the site visit and reportedly no fill has been ever placed on the Site.	Site observations and Site Representative

3.3.4 Water Bodies and Area(s) of Natural Significance

Topic	Conditions	Comment / Source
Nearest Open Water Body	The nearest permanent watercourse is Sawmill creek located approximately 1 km north of the Site. A water pond is located in the central part of the Site.	Site observations, Figure 3- Topographic map
Areas of Natural Significance ("ANSI")	No areas of natural significance are located of the Site or within 250 m of the Site. The Provincially Significant Wetland (Leitrim wetland) is located approximately 800 m south of the Site.	MNR response. Figure 4- ANSI Map

3.3.5 Well Records

Topic	Conditions	Comment / Source
Water Wells on Site (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use)	Based on the EcoLog ERIS report, 10 water wells are located on the Site. The wells were between 1964 and 1985 and were used for industrial or domestic water supply. The wells were drilled to depths ranging between 14.6 and 90.8 mbgs into the bedrock. The depth to the static water table varied between 1.22 and 7.62 mbgs. The depth to the bedrock varies and ranges between 1.5 mbgs and 9.1 mbgs. The stratigraphy was clay and sand, some stones to depths ranging between 1.5 and 9.1 mbgs underlain by limestone or shale bedrock.	The EcoLog ERIS database report, Site observations
Water Wells on the Neighbouring Properties (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling rate, use)	Based on the EcoLog ERIS report, 41 water wells are located in the Phase One Study Area (within 250 metres of the Site). The soil profiles varied and can be referenced in the EcoLog ERIS report in Appendix C.	The EcoLog ERIS database report

3.4 Site Operating Records

The Site has never been developed and no operations have been carried out at the Phase I Property other than agricultural activities. As such, no Site operating records would be available and to be provided to Golder for review.

4.0 INTERVIEWS

Mr. John Barrett, a former owner of the Site (the "Site Representatives"), completed a Phase I ESA interview form on September 15, 2011 as art of the 2011 Golder Phase I ESA. Based on the information provided by the Site Representative, the following information pertinent to the Phase I ESA was obtained:

- The Site has never been developed for anything other than for agricultural purposes;
- A residential development is proposed to be built on the Site;
- No vehicle fuelling or repairs have ever taken place on the Site;
- No manufacturing or processing operations have been carried out at the Site;
- No spills of chemical products, liquid waste or hydrocarbons have occurred on the Site;
- No underground storage tanks ("USTs") or aboveground storage tanks ("ASTs") exist on the Site and there have never been any USTs or ASTs on the Site;
- No hazardous waste is generated or stored on the Site;
- No fill material has been placed on the Site;
- No storage, handling or management of chemicals takes place at the Site;
- The Site is not connected to the municipal water supply or sewer;
- Water main easement runs through the Site; and,
- Certificate of Approval has been issued for the Site for a water main extension.

The information provided by the Site Representative does not indicate any issues of potential environmental concern.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

Ms. Maria Staneva, a due diligence assessor at Golder, conducted a Site visit on October 25, 2013. The duration of the Site visit was approximately 2.5 hours. The Site visit included a tour of the Site and a cursory inspection of neighbouring properties from the Site and publicly accessible areas. Sections 5.2 to 5.4 present the observations made during the Site visit. The Site visit was documented with photographs and additional notes.

At the time of the Site visit, the weather conditions were sunny, there was no snow and the temperature was approximately 8°C. No evidence of stains, sheens or stressed vegetation was observed by Golder at the Site. Photographs of some of the features noted during the Site visit are attached in Appendix E.

5.2 Site Specific Observations

At the time of the Site visit, the Site was vacant land overgrown with trees and vegetation. No operations or any other activities were being carried out at the Site at the time of the Site visit.

The specific observations made during the Site reconnaissance are presented herein.

5.2.1 Site Details

Topic	Observations	Comment / Source
Total Area of the Site	58.85 hectares (145.43 acres)	Site owner and City of Ottawa geo-map
Number and Age of Buildings on the Site	No buildings are present on the Site.	Site Representative, Site observations, aerial photographs
Building Area	Not applicable	NA
Number of Floors (include all levels, whether above or below ground)	Not applicable	NA
Number, Age, and Depth of Levels Below Ground Level	Not applicable	NA
Approximate Percentage of Site Consisting of Landscaped/ Grassed/Bare Ground Areas	The entire Site is overgrown with vegetation and trees and agricultural fields.	Site observations
Approximate Percentage of Site Consisting of Paved or Other Sealed Surface Materials	0%	Site observations
Number and Details of all Aboveground	No evidence of ASTs were observed on the Phase One Property.	Site observations, Site Representative

Topic	Observations	Comment / Source
Storage Tanks ("ASTs")		
Number and Details of all Underground Storage Tanks ("USTs")	No evidence (fill/vent pipes extending through walls or slabs/ground surface, no staining or any obvious odours) was observed during the Site visit to indicate the current presence of fuel or chemical USTs. In addition, the Site Representative indicated that no historical or current USTs have been present on the Site.	Site observations, TSSA, EcoLog ERIS Report, Site Representative
Asbestos-Containing Materials ("ACMs")	The Site has no buildings. ACMs are generally associated with building functions/material and, as such, ACM is not considered to be an issue of potential environmental concern.	Site observations
Polychlorinated Biphenyls ("PCB") Containing Materials and Equipment	The Site has no buildings. Therefore, the presence of building-related PCBs (switches, capacitors, fluorescent light ballasts) is not considered to be an issue of potential environmental concern.	Site observations
Lead-Based Paints ("LBPs")	The Site has no buildings. Lead is generally associated with building functions/material and, as such, lead is not considered to be an issue of potential environmental concern.	Site observations
Potable and Non-Potable Water Sources	The Site currently is not connected to the municipal water supply. A water main easement reportedly runs through the Site. There are no non-potable water sources at the Site.	Site Representative and Site observations
Utility Lines Present (i.e. Electrical, Natural Gas, other)	The Site is vacant undeveloped land and no utility drawings are available for the Site.	Site observations
Entry and Exit Points for Site Buildings	Not applicable	Site observations
Existing and Former Heating System(s) (include fuel type / source)	The Site has never been developed and as such, there are no former or existing heating systems on the Site.	Site observations, Site Representative
Existing and Former Cooling System(s) (include fuel type / source)	The Site has never been developed and as such, there are no former or existing cooling systems on the Site.	Site observations, Site Representative

Topic	Observations	Comment / Source
Drains, Pits, and Sumps (include current use, if any, and former use)	None identified	Site Representatives, Site observations
Unidentified Substances	None identified	Site observations
Stains or Corrosion Located near a Potential Discharge Location	None identified	Site observations
Location of any Current and Former Wells	No wells were observed on the Site during the Site visit. However, based on the information obtained from the EcoLog ERIS report 14 water wells are present on the Site.	Site observations, EcoLog ERIS report
Sanitary/Process Wastewater Receptor	No sanitary or process wastewater is generated at the Site.	Site observations, Site Representative
Sanitary Sewer Connection	The Site is not connected to the municipal sanitary sewer.	Site Representative
Septic Systems	None identified	Site observations, Site Representative
Storm Water Flow	The surface water run-off is towards the drainage ditches located on the Site, along Leitrim Road, Bank Road and Fenton Road and through natural soil infiltration.	Site observations
Storm Sewer Connection	There is no storm sewer on the Site.	Site observations, Site Representative
Ground Cover (i.e. grass, gravel, soil, or pavement, etc.)	The Site is covered by trees, shrubs and grass.	Site observations
Current or Former Railway Lines or Spurs	No railway lines or spurs were observed or reported on the Site.	Site observations and aerial photographs
Presence of Stained Soil, Pavement, or Stressed Vegetation	None identified	Site observations
Presence of Fill and/or Debris Materials	No piles of fill material were observed during the Site visit. Some debris consisting of wood, cardboard, cut trees and branches were observed in the central part of the Site.	Site observations.

Topic	Observations	Comment / Source
Operations at the Property	The Site is vacant land and no operations other than agricultural have been carried out at the Site.	Site observations, Site Representative
Hazardous Materials	No hazardous wastes were observed or reported to be produced or originated at the Site.	Site observations, Site Representative and EcoLog ERIS Report
Products Manufactured at the Site	No manufacturing activities have been carried out at the Site.	Site observations, Site Representative and EcoLog ERIS Report
By-Products and Wastes at the Site	No by-products or wastes were observed or reported to be generated at the Site.	Site observations, Site Representative
Raw Material Handling and Storage Locations	No raw materials were observed to be stored or handled on-Site.	Site observations
Details of Drums, Totes, and Bins	No drums, totes, bins or other storage containers were observed or reported to be stored on the Site.	Site observations, Site Representative
Oil/Water Separators	None identified or reported.	Site observations, Site Representative
Vehicle and Equipment Maintenance Areas	None identified or reported.	Site observations, Site Representative, and aerial photographs.
Spills	None identified or reported.	Site observations, Site Representative, and EcoLog ERIS report
Liquid Discharge Points	None identified or reported.	Site observations, Site Representative
Hydraulic Lift Equipment	None identified or reported.	Site observations, Site Representative
Potentially Contaminating Activity	No potentially contaminating activities were observed during the Site visit.	Site observations.

The location of the Site features is presented on Figures 2 and 3.

5.2.2 Enhanced Investigation Property

The Site has been always vacant land used only for agricultural purposes. As such, the Site is not considered to be an enhanced investigation property as stipulated in O.Reg. 153/04 (as amended).

5.3 Surrounding Land Use within 250 m of the Site

During the Site visit, a visual reconnaissance of the outdoor operations of the surrounding land use within 250 m of the Site was carried out. The visual reconnaissance was conducted from the subject Site and publicly accessible areas and identified land uses which may potentially impact the Site.

Based on visual observations during the Site visit, adjacent property use is for industrial, commercial and residential purposes as presented on Figure 2.

North (Inferred Down-gradient)

- Residential houses north of the central part of the Site; and,
- Leitrim Road followed by vacant and forested lands (greenbelt) and a farm house northeast of the Site.

East (Inferred Trans gradient)

- Gloucester municipal yard with associated three (3) fuel ASTs and three (3) USTs, Leitrim Fire Station, Church and Senior Centre. During the Site visit it was observed that three (3) fuel ASTs associated with the Gloucester municipal yard were installed on a concrete island and the condition of the ASTs appear to be good. No evidence of spills or leaks was observed in the area of the ASTs at the time of the Site visit;
- Bank Street followed by ESSO gas station (approximately 300 m northeast of the Site), police station, Hydro Ottawa and a commercial building; and,
- Garden Centre, southeast of the Site.

South (Inferred Up gradient)

- Vacant lands and Hope cemetery;
- Stinson and Son retail fuel outlets located on the both sides of Bank Street, approximately 250 m southeast of the Site; and,
- New residential subdivision.

West (Inferred Trans gradient)

- Commercial and industrial park followed by Albion Road.

Three (3) retail fuel outlets are present between 250 and 300 m from the Site. Given the distance between the Site and the retail outlets, and the fact that these facilities are located hydraulically down-gradient or cross-gradient with respect to the Site and that the Site is separated from these facilities by buildings and/or roads and underlying services, it is considered that the likelihood of subsurface impacts on the Site due to the presence of these facility is low.

In addition, an industrial park and the Gloucester municipal yard with associated ASTs and USTs are present on adjacent lands west and east of the Site, respectively. Potential for subsurface impacts on the Site due to the presence of these off-Site PCAs was investigated by Golder in 2011 (refer to section 3.1.5 of this report). Given that no soil or groundwater impacts were identified at the Site, it is considered that the presence of the industrial park and Gloucester municipal yard is not an issue of potential environmental concern for the Site.

5.4 Written Description of Investigation

At the time of the Phase I ESA Site visit (October 25, 2013), the Site consisted of approximately 58.85 hectares (145.43 acres) of undeveloped land used for agricultural purposes in its majority. The remaining parts were overgrown with trees and vegetation. The civic address of the site is 2960 Leitrim Road in Ottawa, Ontario. The access to the Site is via Leitrim Road and Bank Street. A dirt road bisects the Site from the central to the east

part and runs parallel to the north and south Site boundaries. A pond is located in the central part of the Site and drainage ditch crosses the central part of the Site. Some debris consisting of wood, cardboard, cut trees and branches were observed in the central part of the Site. At the time of the Site visit, no operations were being carried out at Site.

The surrounding lands property use is for industrial, commercial and residential purposes or were vacant forested lands.

No railway lines or spurs were present on the Site. A water main easement reportedly runs through the Site. At the time of the Site visit, no ASTs were noted on the Site as well as, no evidence of former or current presence of USTs was observed. No visible wells were observed to be present on the Site. No evidence of stained soil, discoloration or stressed vegetation was observed at the Site at the time of the Site visit. No areas or activities of potential environmental concern were identified at the Site or at the Phase I Study Area at the time of the Site visit. No areas of natural significance were present in the Phase I Study Area.

Based on the above mentioned observations, no evidence indicating the existence of an area or activity of potential environmental concern on the Phase I Study Area was identified during the Site visit.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses of the Site

The following table summarizes the property uses of the Site over time:

Year	Description of Property Use	Sources
Prior to 1945 and up to 2013	Agricultural and forested land. No operations (other than agricultural), have been carried out at the Site.	Aerial photographs, interview, Site Representative, EcoLog ERIS report, street directories

6.2 Potentially Contaminating Activities (PCAs)

Potentially contaminating activities, if currently or historically carried out at a Site or on the Phase I ESA Study Area, may trigger a Phase II ESA. Based on the information obtained as part of this Phase I ESA, the following off-Site potentially contaminating activities were identified. These PCAs have been previously addressed and as such, they are not considered to represent PCAs for the Site:

Location	Potentially Contaminating Activities	Description of Potentially Contaminating Activities	Status
On the Phase I ESA Study Area at 3200 Leitrim Road (former 4550 Bank Street)	**#28.** Gasoline and associated products storage in fixed tanks # **52.** Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems	Gloucester City Works Yard with associated 3 fuel ASTs and USTs located on the adjacent land east of the Site	This PCA was previously addressed by Golder (refer to Section 3.1.5 of the report). Soil and groundwater sampling and analysis for PHC F1 to F4, BTEX and metals were completed in 2011 at a borehole/monitoring well installed at the northeast corner of the Site in close proximity to the City Works Yard. The soil and groundwater analytical results indicated that none of the parameters analyzed in soil or groundwater had concentrations above the applicable MOE Table 3 Standards (April 15, 2011). As such, it is considered that this off-Site PCA does not represent an issue for the Site and does not result in an APEC on the Site.

Location	Potentially Contaminating Activities	Description of Potentially Contaminating Activities	Status
On the Phase I ESA Study Area at 4549 South Creek Lace	**#28.** Gasoline and associated products storage in fixed tanks	A private fuel outlet reportedly consisted of one single wall gasoline containing UST with capacity of 9,000 L, installed in 1976. The UST is associated with TP Crawford Ltd. and is located on adjacent lands west of the Site.	This PCA was previously addressed by Golder (refer to Section 3.1.5 of the report). Soil and groundwater sampling and analysis for PHC F1 to F4, VOCs, PAHs and metals were completed in 2011 at a borehole/monitoring well installed in the southwest corner of the Site in close proximity to this PCA. The soil and groundwater analytical results indicated that none of the parameters analyzed in soil or groundwater had concentrations above the applicable MOE Table 3 Standards (April 15, 2011). As such, it is considered that this off-Site PCA does not represent an issue for the Site and does not result in an APEC on the Site.
Outside the Phase I ESA Study, approximately 1.5 km west of the Site (west of Albion Road)	**#58.** Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Closed Gloucester landfill (ID# Gl-1) located approximately 1.5 km west of the Site (west of Albion Road)	Potential issues associated with the presence of the closed Gloucester landfill was addressed in the 2011 by Golder (refer to Section 3.1.5 of the report). Soil and groundwater sampling and analysis for potential contaminants of concern (PHC F1 to F4, VOC, 1,4 dioxane, PAH and metals) was completed at two boreholes/monitoring wells installed at the northwest and southwest corners of the Site to address the potential issue of concern associated with the former presence of the Gloucester landfill approximately 1.5 km west of the Site and the presence of industrial park on adjacent land west of the Site. The soil and groundwater analytical results indicated that none of the parameters analyzed had concentrations above the applicable MOE Table 3 Standards (April 15, 2011). As such, it is considered that this off-Site PCA does not represent an issue for the Site and does not result in an APEC on the Site.

Based on the information obtained as part of this Phase I ESA, no potentially contaminating activities were identified.

6.3 Areas of Potential Environmental Concern (APECs)

Based on the information obtained as part of this Phase I ESA, no areas of potential environmental concern were identified on the Site.

6.4 Conceptual Site Model

A Conceptual Site Model of the Phase I Study Area (as required by O.Reg. 153/04) is presented in a series of Figures 1 to 8 (Figure 1: Key Plan, Figure 2: Phase One Property Boundary and Phase One Study Area, Figure 3: Topographic Map, Figure 4: Area of Natural and Scientific Interest map, Figure 5: Bedrock Geology Map, Figure 6: Surficial Geology Map, Figure 7: Soil Survey Complex Map and Figure 8: Physiography Map) showing:

- Existing buildings and structures;
- Water bodies and areas of natural significance located in the Phase I Study Area;
- Drinking water wells on the Phase I Property;
- Roads (including names) within the Phase I Study Area;
- Uses of properties adjacent to the Phase I Property;
- Areas where any PCA has occurred in the Phase I Study Area , including any storage tanks (if identified); and,
- Areas of potential environmental concern (if identified).

The following describes the Phase I ESA Conceptual Site Model (CSM) based on the information obtained and reviewed as part of this Phase I ESA:

- The Site consists of 58.85 hectares (145.43 acres) of vacant land and was overgrown with trees and vegetation and agricultural fields. At the time of the Phase I ESA no activities have been carried out at the Site;
- Surface water runoff is towards drainage ditches located on the central part of the Site and along Leitrim Road, Bank Road and Fenton Road and through natural soil infiltration;
- Species at risk and species of concern have been identified by the MNR to be present on the Site or on the nearby lands;
- According to the MOE water well database in the EcoLog ERIS report, ten (10) water wells are present on the Site;
- At the time of the Phase I ESA, the neighbouring properties within the Phase I Study Area were used for industrial, commercial and residential purposes or were vacant forested lands;
- The subsurface conditions at the Site consist of sand and silt, overlying glacial till underlain by dolomitic limestone. The depth to the bedrock is expected to be between 2 and 7 mbgs. The depth to the water table is expected to range between 2 and 5 mbgs;

- No PCAs were identified on the Phase I ESA Study Area that may have impacted the Site and no APECs were identified on the Site; and,
- Local groundwater flow is anticipated to be in a north direction towards Sawmill creek located approximately 1 km north of the Site. Groundwater flow directions are subject to confirmation with field measurements.

6.4.1 Uncertainty and Absence of Information

There were no material deviations to the Phase I ESA requirements set out in O.Reg. 153/04 (as amended) that would cause uncertainty or absence of information that would affect the validity of the findings of this assessment.

7.0 CONCLUSIONS

Based on the information collected as part of this Phase One ESA, no APECs were identified on the Site and no PCAs were identified on the Site or on the Phase I ESA Study Area that might have impacted the subsurface at the Site.

The following is recommended in conjunction with developing the Site:

- Should a water well(s) be found during development of the Site, they should be decommissioned as per *Ontario Regulation (O. Reg.) 903.*
- The debris observed in the central part of the Site during the Site visit, which consisted of wood, cardboards and cut trees and branches should be removed and properly disposed of during the Site development.

In addition, species at risk and species of concern have been identified by the MNR to be present on the Site or on the nearby lands. It is recommended that a field survey be completed by a field biologist to determine if any of these species are present (provided it was undertaken in the appropriate season). If any are seen on Site, then the MNR may need to be engaged.

7.1 Need for Phase II ESA

Given that no APECs were identified on the Site during the Phase I ESA, a Phase II ESA is not recommended to be carried out at the Site at this time.

7.2 Record of Site Condition Based on Phase I Environmental Site Assessment Alone

Considering that the Site is used for agricultural purposes and is proposed to be developed as a residential subdivision (residential land use), the land use is changing from more sensitive to less sensitive classification. As such, there is no mandatory requirement for filing of a RSC for the Site.

8.0 LIMITATIONS AND USE OF REPORT

This report (the "Report") was prepared for the exclusive use of Tartan Land Corporation. The Report summarizes Golder's review of available data in accordance with the principal components of CSA Z768-01 *Phase I Environmental Site Assessment,* as well as Ontario Regulation 153/04 *Records of Site Condition*, as amended (RSC Regulations). The Report is based on data and information collected at the time of this Assessment, and must be considered in its entirety. It is based solely on the conditions on the Site encountered at the time of the site visit on October 25, 2013, as reported herein. Except as otherwise may be requested, Golder disclaims any obligation to update this Report for events taking place, or with respect to information that becomes available to Golder after the time during which Golder conducted the work. No soil, water, liquid, gas, product or chemical sampling and analytical testing other than that described herein at or in the vicinity of the Site was conducted as part of this Work.

In evaluating the property, Golder has relied in good faith on information provided by other individuals, companies or government agencies noted in the Report. Golder has assumed that the information provided is factual and accurate and Golder has not independently verified the accuracy or completeness of such information. Golder accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted. Golder makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to periodic amendment. In addition, regulatory statutes are subject to interpretation and these interpretations may change over time.

The scope and the period of Golder's assessment are described in this Report, and are subject to restrictions, assumptions and limitations.

Golder did not perform a complete assessment of all possible conditions or circumstances that may exist at the Site. Conditions may therefore exist which were not detected given the nature of the inquiry Golder was retained to undertake with respect to the Site. Accordingly, additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. Golder's opinions are based upon information that existed at the time of the writing of the Report. It is understood that the services provided for in the scope of work allowed Golder to form no more than an opinion of the actual conditions at the Site at the time the Site was visited, and cannot be used to assess the effect of any subsequent changes in any laws, regulations, the environmental quality of the Site or its surroundings. Asbestos and mould surveys were not performed. If a service is not expressly indicated, do not assume it has been provided.

Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, are the sole responsibility of the third parties. Should additional parties require reliance on this Report, written authorization from Golder will be required. Golder disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

9.0 STATEMENT OF COMPLETION

The undersigned confirm that this Phase I Environmental Site Assessment was conducted in a manner consistent with the expected standard of care for the consulting industry in Ontario and meets the requirements for Phase I ESAs as set out in O. Reg. 153/04. The findings and conclusions presented herein are based on our review of relevant and readily available information, as noted in this report.

10.0 REFERENCES

The following is a list of persons contacted and references reviewed for the purposes of preparing this report:

Source	Date
Ontario Regulation 153/04 as amended	October 31, 2011
Canadian Standards Association Document Z768-01 (R2012) 'Phase I – Environmental Site Assessments'	November 2001
Map 1506A, *Surficial Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001.	2001
Map 1508A. *Generalized Bedrock Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001	2001
Golder Associates Ltd. GIS Database (Reference - Digital Basemap Data supplied by DMTI Spatial Inc., Canmap, 2006).	2006
Aerial Photographs - National Air Photo Library, Ottawa and the City of Ottawa geo-map (http://maps.ottawa.ca/geoOttawa/)	1945, 1956, 1968, 1971, 1986, and 1994. The City of Ottawa geo-map: 1965, 1976, 1991, 1999, 2002, 2005, 2007 to 2011
Fire Insurance Plans - National Archives in Ottawa	No FIPs were available for the Site
EcoLog ERIS report	September 12, 2011
Street Directories	1980, 1987, 1992, 1998/99, 2002/03, 2008/09
Ontario Ministry of the Environment	October 18, 2011
City of Ottawa	September 29, 2011
Ministry of Natural Resources	October 24, 2013
Technical Standards and Safety Authority	October 22, 2013
Report entitled "*Phase I Environmental Site Assessment, 4570 Bank Street, Ottawa, Ontario"* prepared by Golder for Tartan	September 2011
Technical memorandum entitled *"Groundwater and Soil Sampling, 4570 Bank Street, Ottawa, Ontario"* prepared by Golder for Tartan	October 5, 2011
Report entitled *"Preliminary Geotechnical Investigation, Proposed Development Leitrim Road and Bank Street, Ottawa, Ontario"* prepared by Golder for Tartan	January, 2012

11.0 CLOSURE

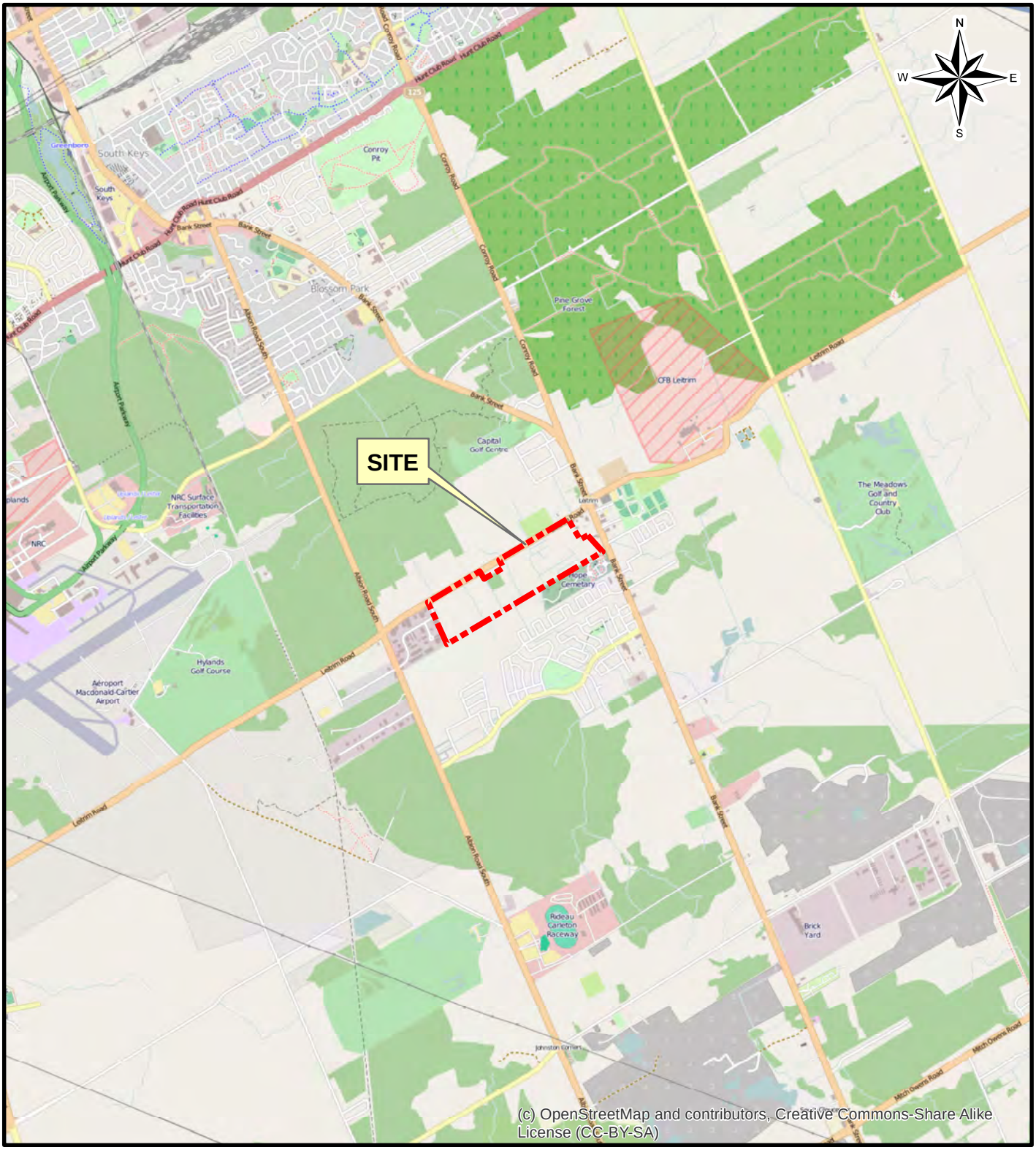
We trust that the information presented in this report meets your current requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

GOLDER ASSOCIATES LTD.

Maria Staneva, M.Eng., P.Eng.
Environmental Engineer

Don Plenderleith, M.Sc., P.Eng., PMP, QP_{ESA}
Principal

MS/DHP/hw
n:\active\2013\1122 - contaminated lands\13-1122-0211 phase i esa, tartan, 2960 leitrim rd\reg. 153 ph. i esa report\rpt phase i esa, 2960 leitrim rd..doc



1,400 0 1,400

SCALE 1:50,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

DATA PROVIDED BY ESRI CANADA, 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

Golder Associates
Ottawa, Ontario

PROJECT No.	13-1122-0211
SCALE	AS SHOWN
REV.	0
DATE	2013-10-31
DESIGN	MS
GIS	AS/JEM
CHECK	MS
REVIEW	DHP

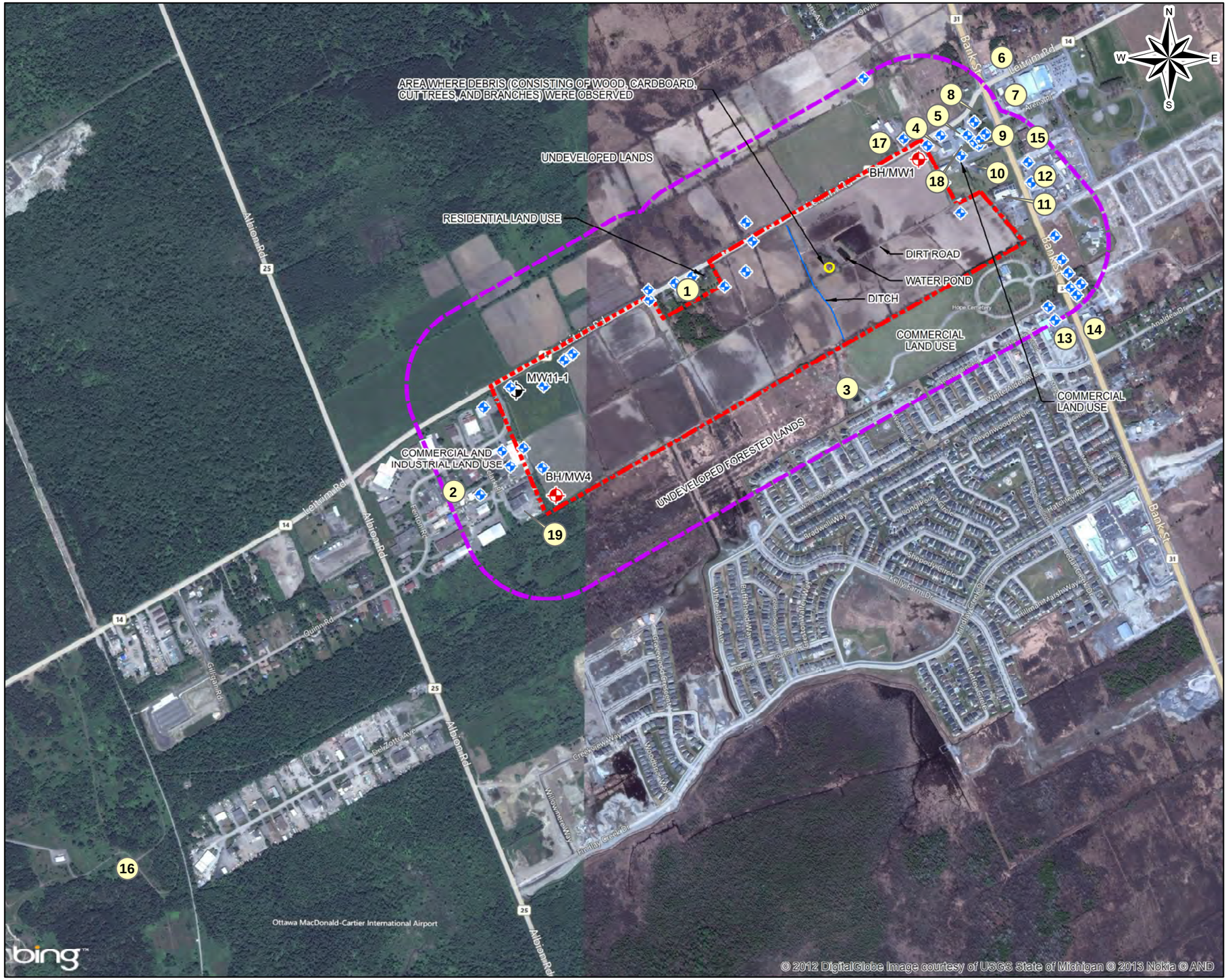
TITLE

KEY PLAN

PROJECT: PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

FIGURE 1

Path: N:\Active\20131122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMG\S\MXDs\1311220211-1000-01.mxd



LEGEND

- MOE LISTED WATER WELL
- ENVIRONMENTAL BOREHOLE/MONITORING WELL SAMPLED ON SEPT. 28, 2011
- GEOENVIRONMENTAL BOREHOLE/MONITORING WELL SAMPLED ON SEPT. 22, 2011
- PHASE I ESA STUDY AREA
- PHASE I ESA PROPERTY BOUNDARY

1 - RESIDENTIAL HOUSES
2 - INDUSTRIAL/COMMERCIAL PARK
3 - HOPE CEMETERY
4 - GLOUCESTER MUNICIPAL YARD
5 - LEITRIM FIRE STATION
6 - ESSO GAS STATION
7 - POLICE STATION
8 - CHURCH
9 - SENIOR CENTRE
10 - HOUSE
11 - GARDEN CENTRE
12 - COMMERCIAL BUILDING
13 - STINSON AND SON GAS STATION
14 - STINSON AND SON GAS STATION
15 - HYDRO OTTAWA
16 - FORMER GLOUCESTER LANDFILL
17 - HOUSE
18 - ABOVE GROUND FUEL STORAGE TANKS
19 - PRIVATE FUEL OUTLET (1 SINGLE WALL UNDERGROUND FUEL STORAGE TANK)

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0211

REFERENCE

PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: UTM ZONE 18

250 0 250
SCALE 1:12,000 METRES

PROJECT
PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

TITLE
SITE PLAN

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0211			SCALE AS SHOWN	REV. 0
DESIGN	MS	2013-10-22	FIGURE 2	
GIS	AS/JEM	2013-10-22		
CHECK	MS	2013-10-31		
REVIEW	DHP	2013-10-31		

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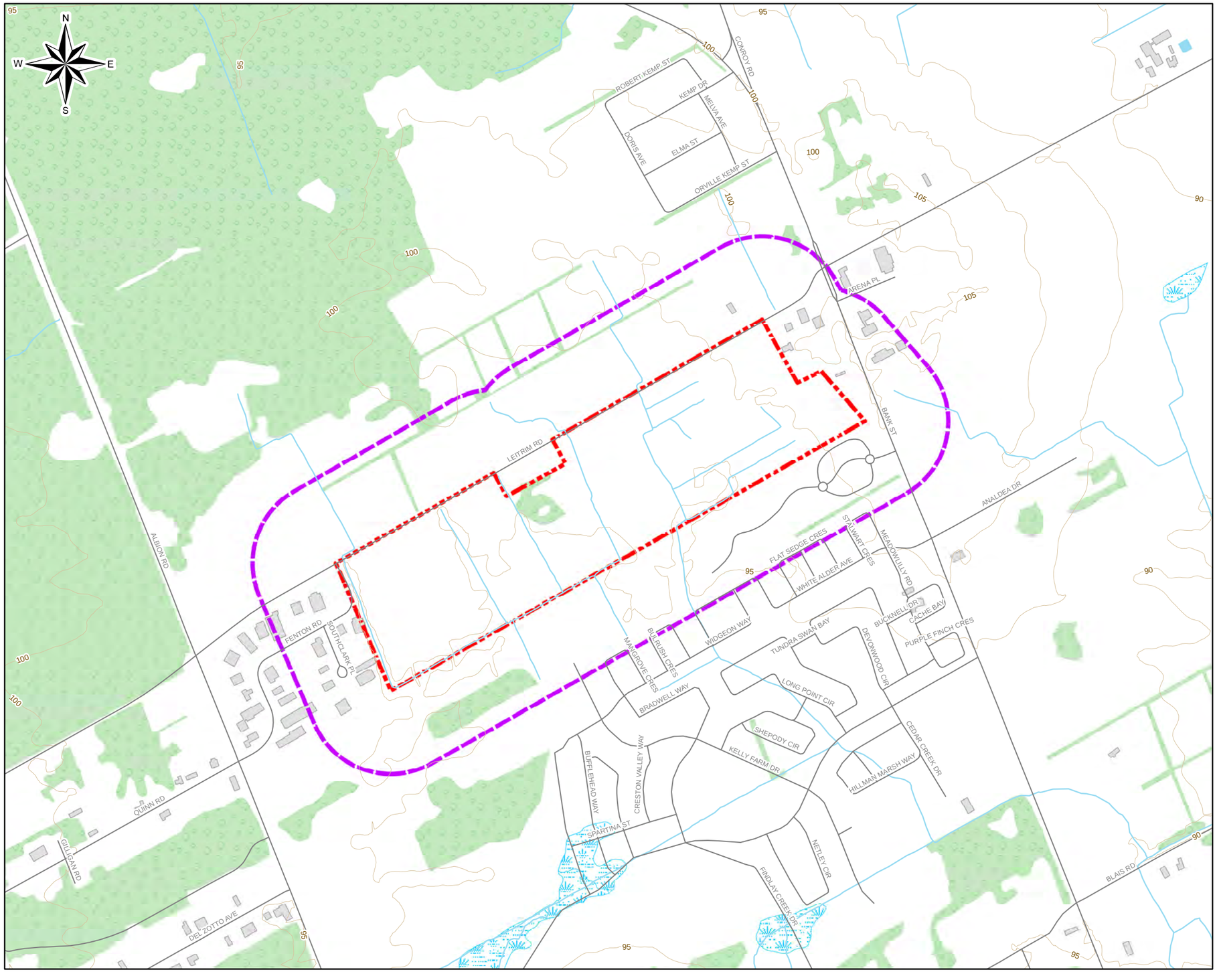


LEGEND

- ROADWAY
- WATERCOURSE
- TOPOGRAPHIC CONTOUR, metres
- WATERBODY
- WETLAND
- PHASE I ESA STUDY AREA
- PHASE I ESA PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- WOODED AREA

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0211

REFERENCE

PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: UTM ZONE 18

250 0 250
SCALE 1:12,000 METRES

PROJECT

PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

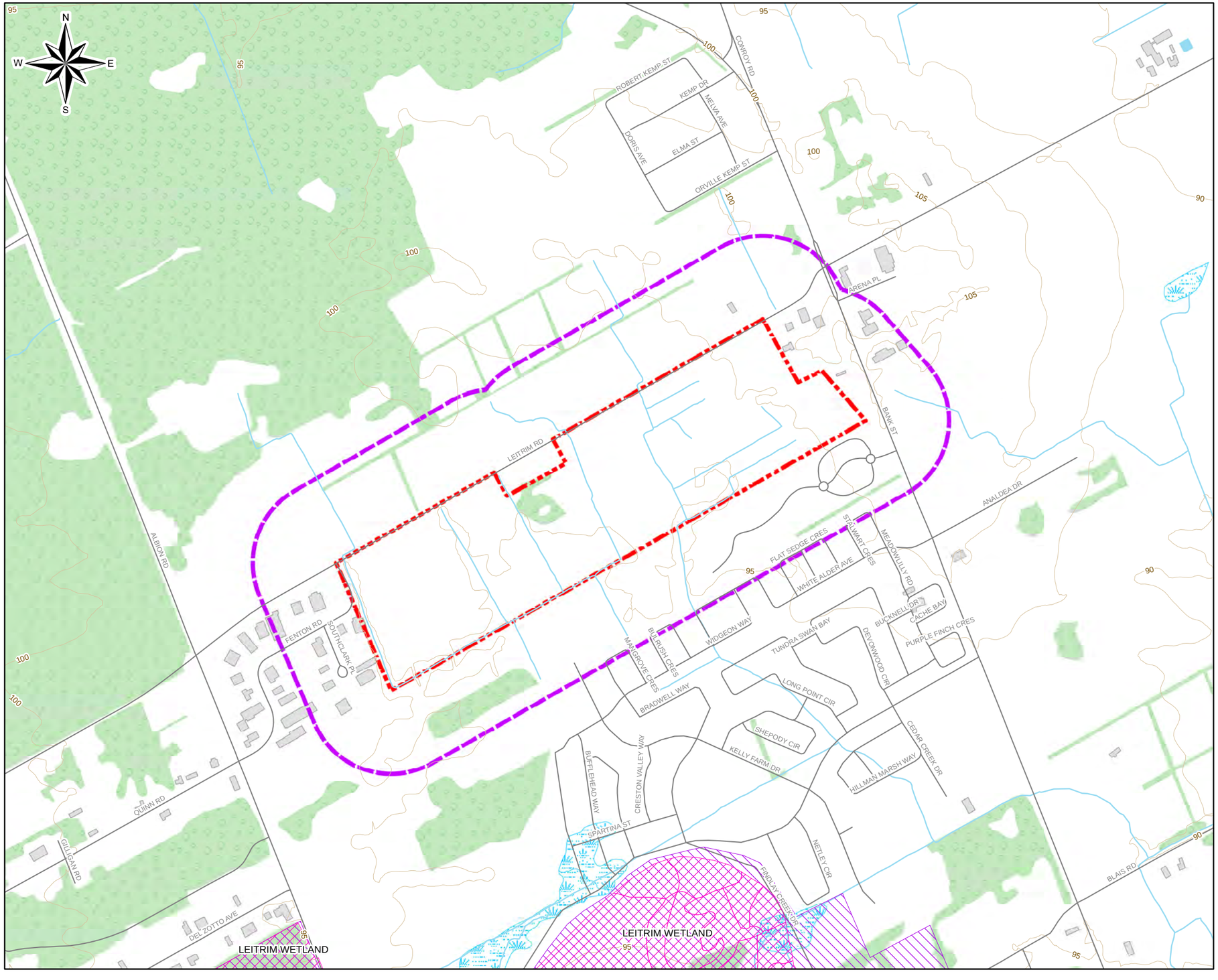
TITLE

TOPOGRAPHIC MAP

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0211			SCALE AS SHOWN	REV. 0
DESIGN	MS	2013-10-22	FIGURE 3	
GIS	AS/JEM	2013-10-22		
CHECK	MS	2013-10-31		
REVIEW	MS	2013-10-31		

Path: N:\Active\2013\1122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IM\GIS\MXDs\1311220211-1000-03.mxd



LEGEND

- ROADWAY
- WATERCOURSE
- TOPOGRAPHIC CONTOUR, metres
- WATERBODY
- WETLAND
- PHASE I ESA STUDY AREA
- PHASE I ESA PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- WOODED AREA
- PROVINCIALLY SIGNIFICANT WETLAND
- LIFE SCIENCE (ANSI)

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0211

REFERENCE

PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: UTM ZONE 18

250 0 250
SCALE 1:12,000 METRES

PROJECT
PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

TITLE
AREAS OF NATURAL AND SCIENTIFIC INTEREST (ANSI)

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0211			SCALE AS SHOWN	REV. 0
DESIGN	MS	2013-10-22	FIGURE 4	
GIS	AS/JEM	2013-10-22		
CHECK	MS	2013-10-31		
REVIEW	MS	2013-10-31		

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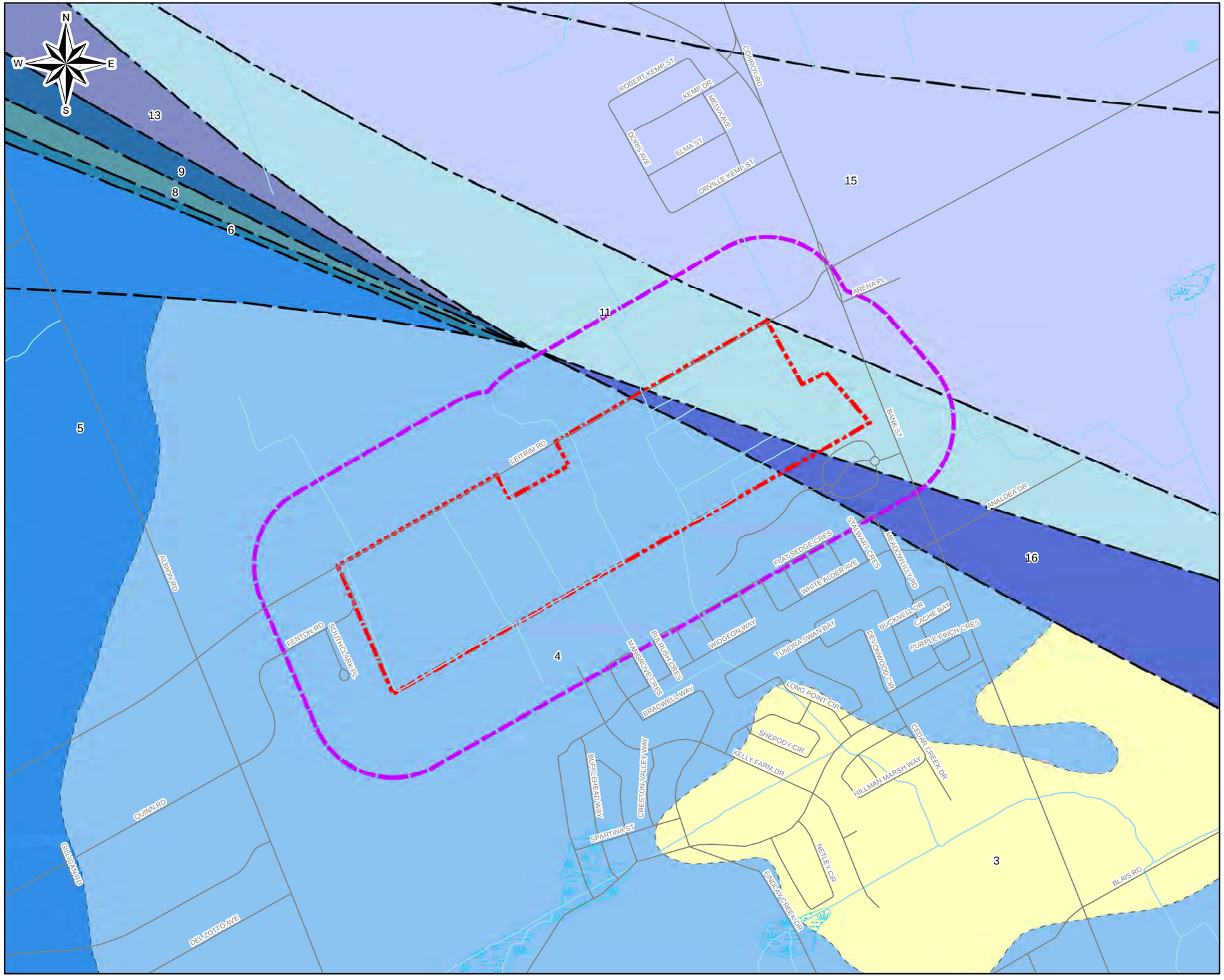


LEGEND

- ROADWAY
- WATERCOURSE
- WATERBODY
- WETLAND
- PHASE I ESA STUDY AREA
- PHASE I ESA PROPERTY BOUNDARY
- 16: QUEENSTON FORMATION - SHALE, SILTSTONE, MINOR LIMESTONE AND SANDSTONE
- 15: CARLSBAD FORMATION - SHALE AND LIMESTONE
- 13: BILLINGS FORMATION - SHALE, MINOR LIMESTONE
- 11: LINDSAY FORMATION - LIMESTONE; NODULAR TO BLACK LAMINATED
- 9: BOBCAYGEON FORMATION - LIMESTONE, WITH MINOR SHALES IN UPPER PART
- 8: GULL RIVER FORMATION - LIMESTONE, WITH DOLOSTONE BEDS TOWARDS BASE
- 6: ROCKCLIFFE FORMATION - SANDSTONE, SHALE, LIMESTONE, DOLOSTONE
- 5: OXFORD FORMATION - DOLOSTONE, MINOR SHALE AND SANDSTONE
- 4: MARCH FORMATION - SANDSTONE, DOLOMITIC SANDSTONE, DOLOSTONE
- 3: NEPEAN FORMATION - SANDSTONE, MINOR CONGLOMERATE

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

ARMSTRONG, D.K. AND DODGE, J.E.P. PALEOZOIC GEOLOGY MAP OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 219
LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

250 0 250
SCALE 1:12,000 METRES

PROJECT

PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

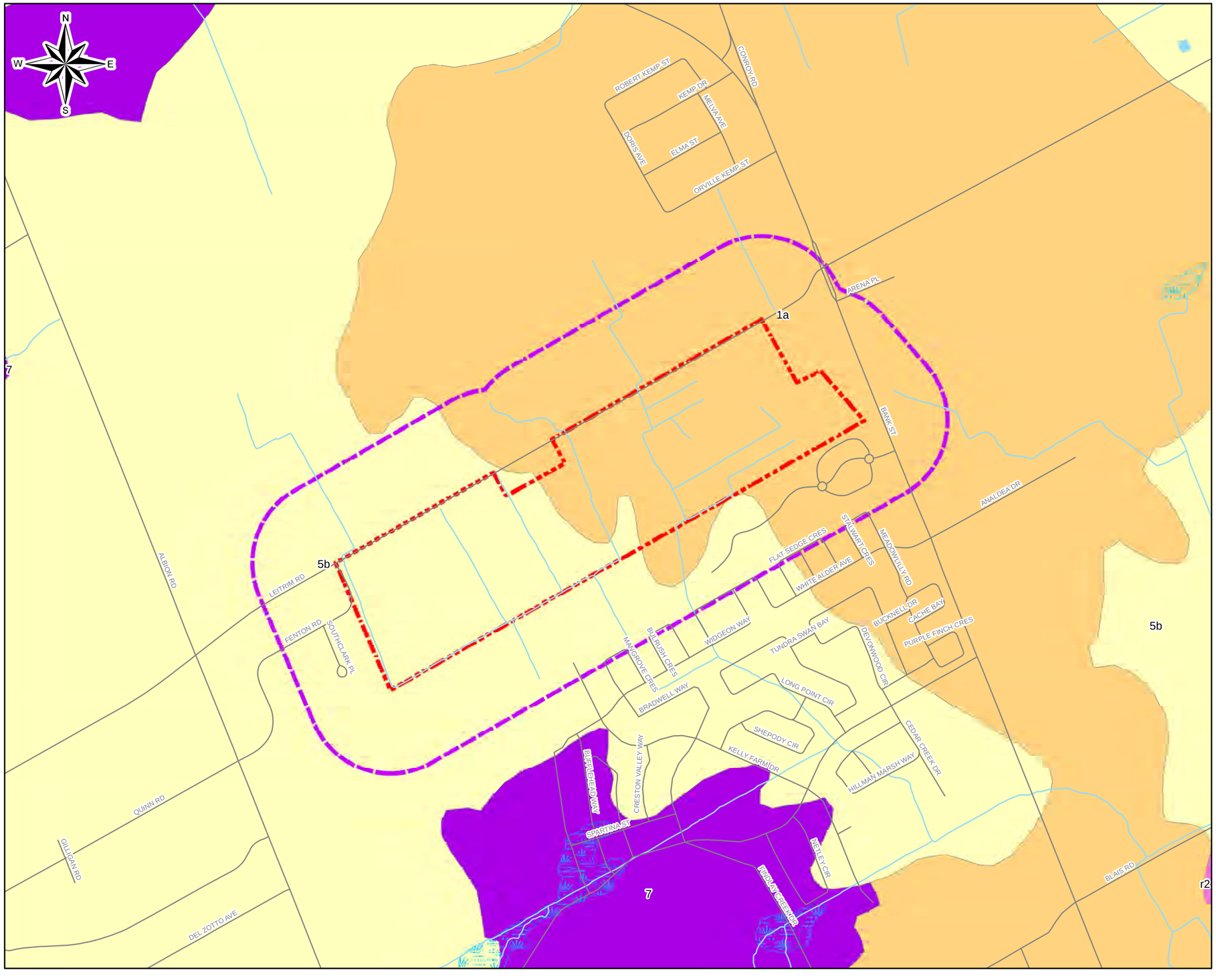
TITLE

BEDROCK GEOLOGY

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0211			SCALE AS SHOWN	REV. 0
DESIGN	MS	2013-10-22	FIGURE 5	
GIS	AS/JEM	2013-10-22		
CHECK	MS	2013-10-31		
REVIEW	MS	2013-10-31		

Path: N:\Active\2013\1122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial, IMG\SIMXDs\1311220211-1000-05.mxd



LEGEND

- ROADWAY
- WATERCOURSE
- WATERBODY
- WETLAND
- PHASE I ESA STUDY AREA
- PHASE I ESA PROPERTY BOUNDARY
- 7 ORGANIC DEPOSITS: MUCK & PEAT
- 5b NEARSHORE SEDIMENTS: FINE TO MEDIUM GRAINED SAND
- 1a TILL, PLAIN WITH LOCAL RELIEF <5M
- r2 BEDROCK: LIMESTONE, DOLOMITE, SANDSTONE & LOCAL SHALE

NOTE

THIS FIGURE SHOULD BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0211

REFERENCE

BÉLANGER, J. R. 2008 URBAN GEOLOGY OF THE NATIONAL CAPITAL AREA, GEOLOGICAL SURVEY OF CANADA, OPEN FILE 5311, 1 DVD.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 18

250 0 250
SCALE 1:12,000 METRES

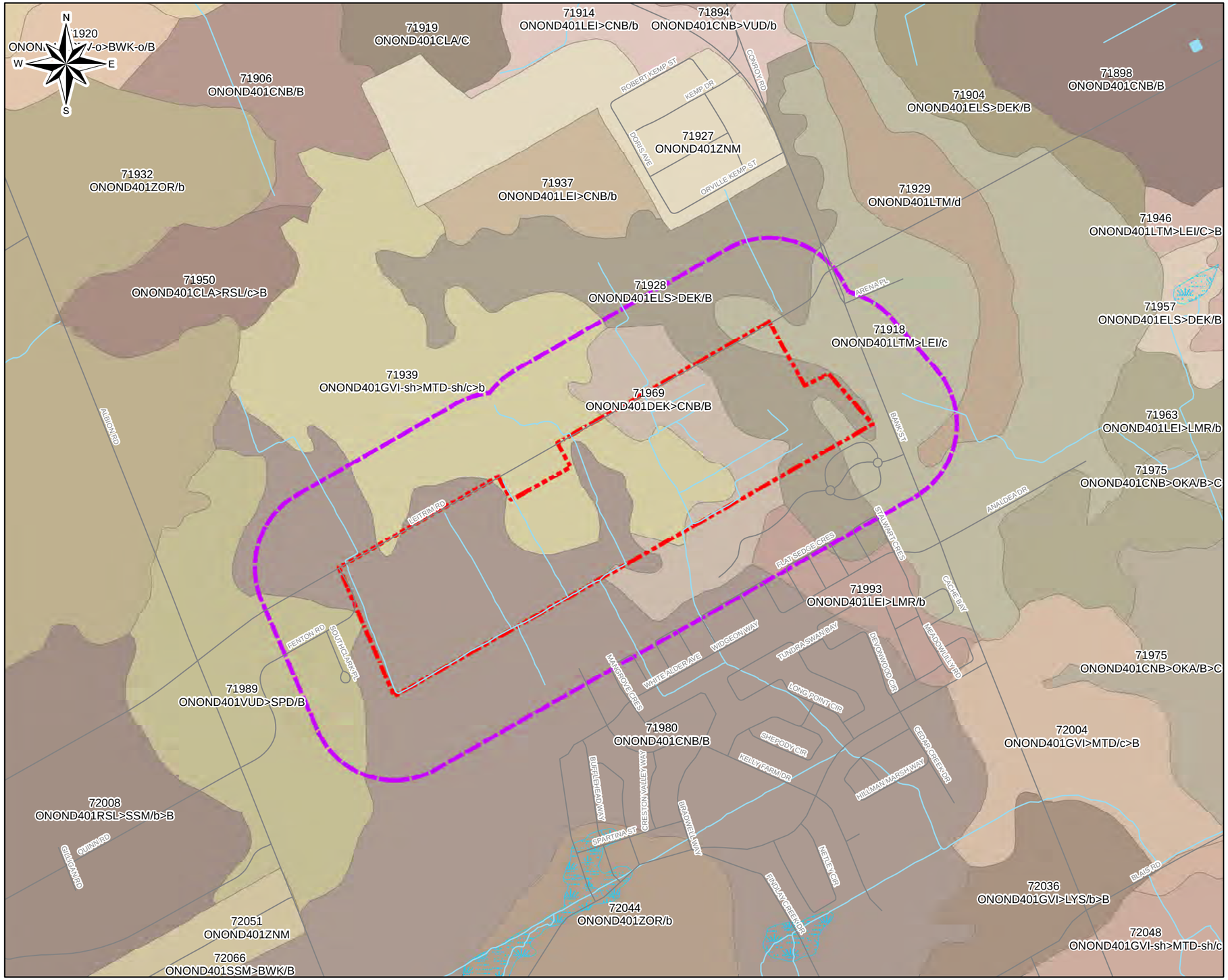
PROJECT
PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

TITLE
SURFICIAL GEOLOGY

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0211			SCALE AS SHOWN	REV. 0
DESIGN	MS	2013-10-22	FIGURE 6	
GIS	ASIJEM	2013-10-22		
CHECK	MS	2013-10-31		
REVIEW	MS	2013-10-31		

Path: N:\Active\2013\1122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMG\SIMXDs\1311220211-1000-06.mxd



LEGEND

- ROADWAY
- WATERCOURSE
- WATERBODY
- WETLAND
- PHASE I ESA STUDY AREA
- PHASE I ESA PROPERTY BOUNDARY

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0211

REFERENCE

PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83
COORDINATE SYSTEM: UTM ZONE 18

250 0 250
SCALE 1:12,000 METRES

PROJECT
PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

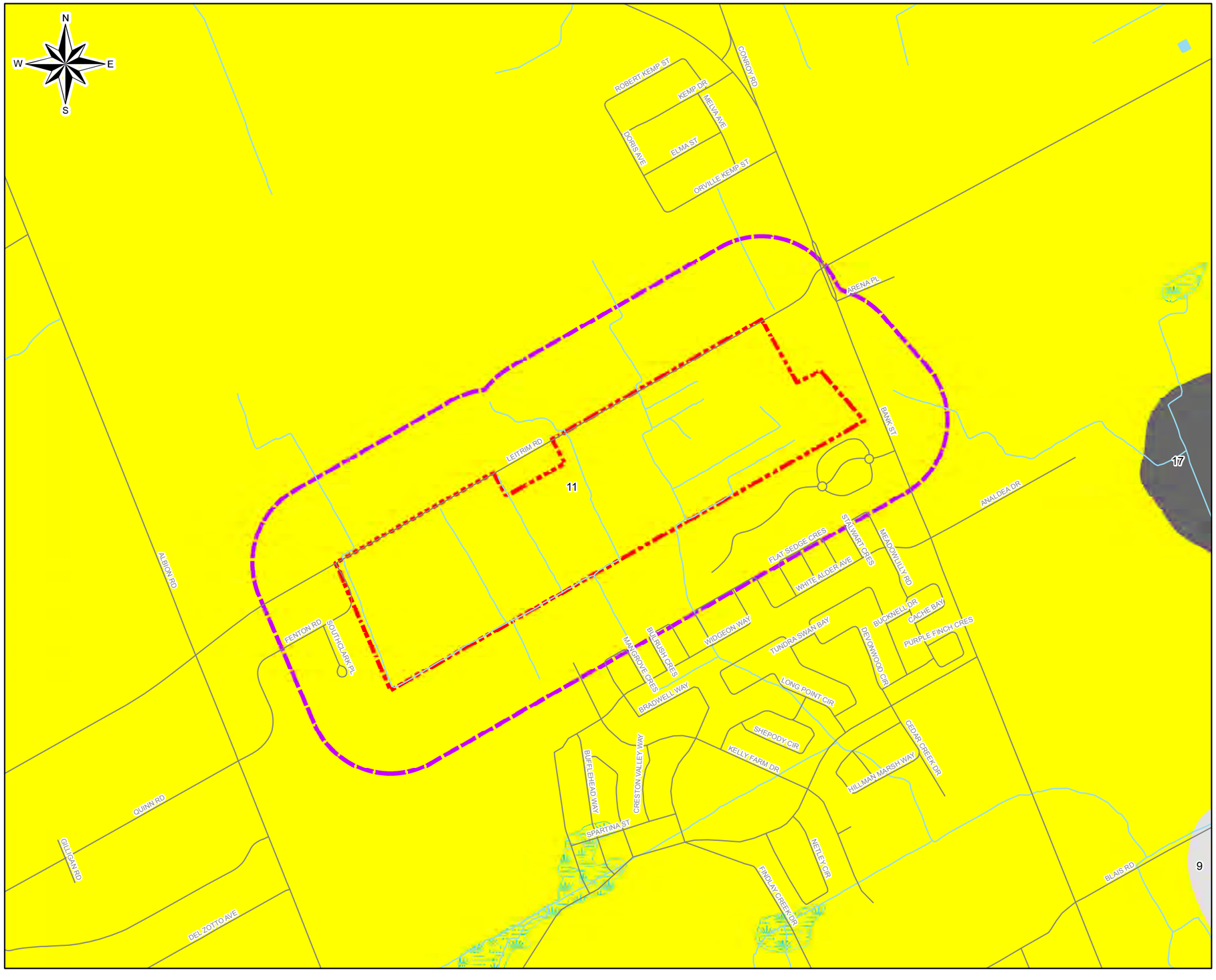
TITLE
SOIL SURVEY COMPLEX (ONTARIO SOILS)

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0211			SCALE AS SHOWN	REV. 0
DESIGN	MS	2013-10-22		
GIS	AS/JEM	2013-10-22		
CHECK	MS	2013-10-31		
REVIEW	MS	2013-10-31		

FIGURE 7

Path: N:\Active\2013\1122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMG\SMXDs\1311220211-1000-07.mxd



LEGEND

- ROADWAY
- WATERCOURSE
- WATERBODY
- WETLAND
- PHASE I ESA STUDY AREA
- PHASE I ESA PROPERTY BOUNDARY

PHYSIOGRAPHY DESCRIPTION

- 9: LIMESTONE PLAINS
- 11: SAND PLAINS
- 17: PEAT AND MUCK

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LIMITED REPORT No. 13-1122-0211

REFERENCE

BASE DATA - CANVEC PROVIDED BY HER MAJESTY THE QUEEN IN RIGHT OF CANADA, DEPARTMENT OF NATURAL RESOURCES, 2010
CHAPMAN, L.J. AND PUTNAM, D.F. 2007. PHYSIOGRAPHY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE—DATA 228
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 18

250 0 250
SCALE 1:12,000 METRES

PROJECT

PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

TITLE

PHYSIOGRAPHY MAP

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0211			SCALE AS SHOWN	REV. 0
DESIGN	MS	2013-10-22		
GIS	AS/JEM	2013-10-22		
CHECK	MS	2013-10-31		
REVIEW	MS	2013-10-31		

FIGURE 8

Path: N:\Active\2013\1122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IM\GIS\MXDs\1311220211-1000-08.mxd

APPENDIX A

Plan of Survey

SUBJECT TO THE CONDITIONS, IF ANY, SET FORTH IN OUR LETTER DATED

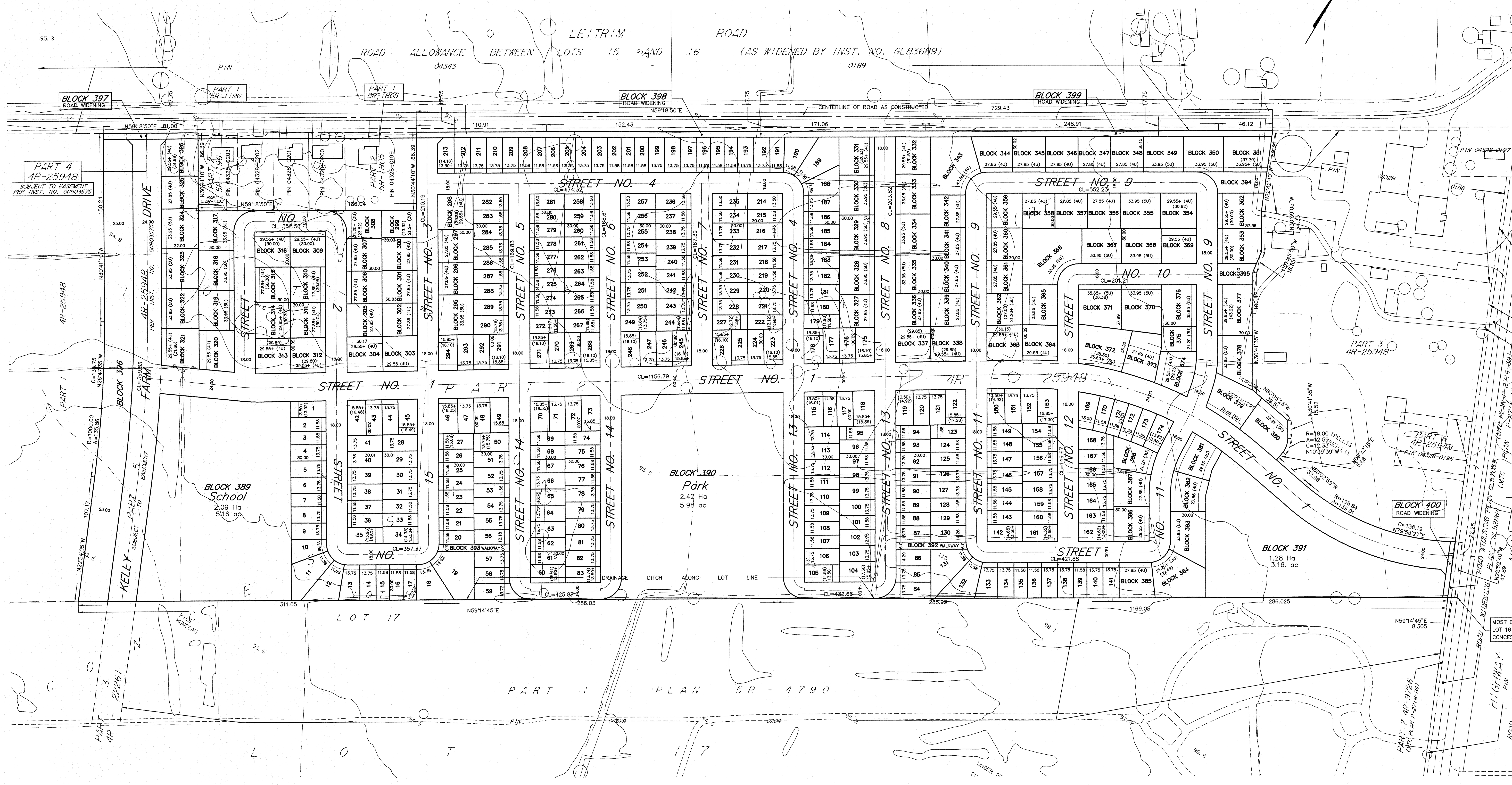
____________________20____

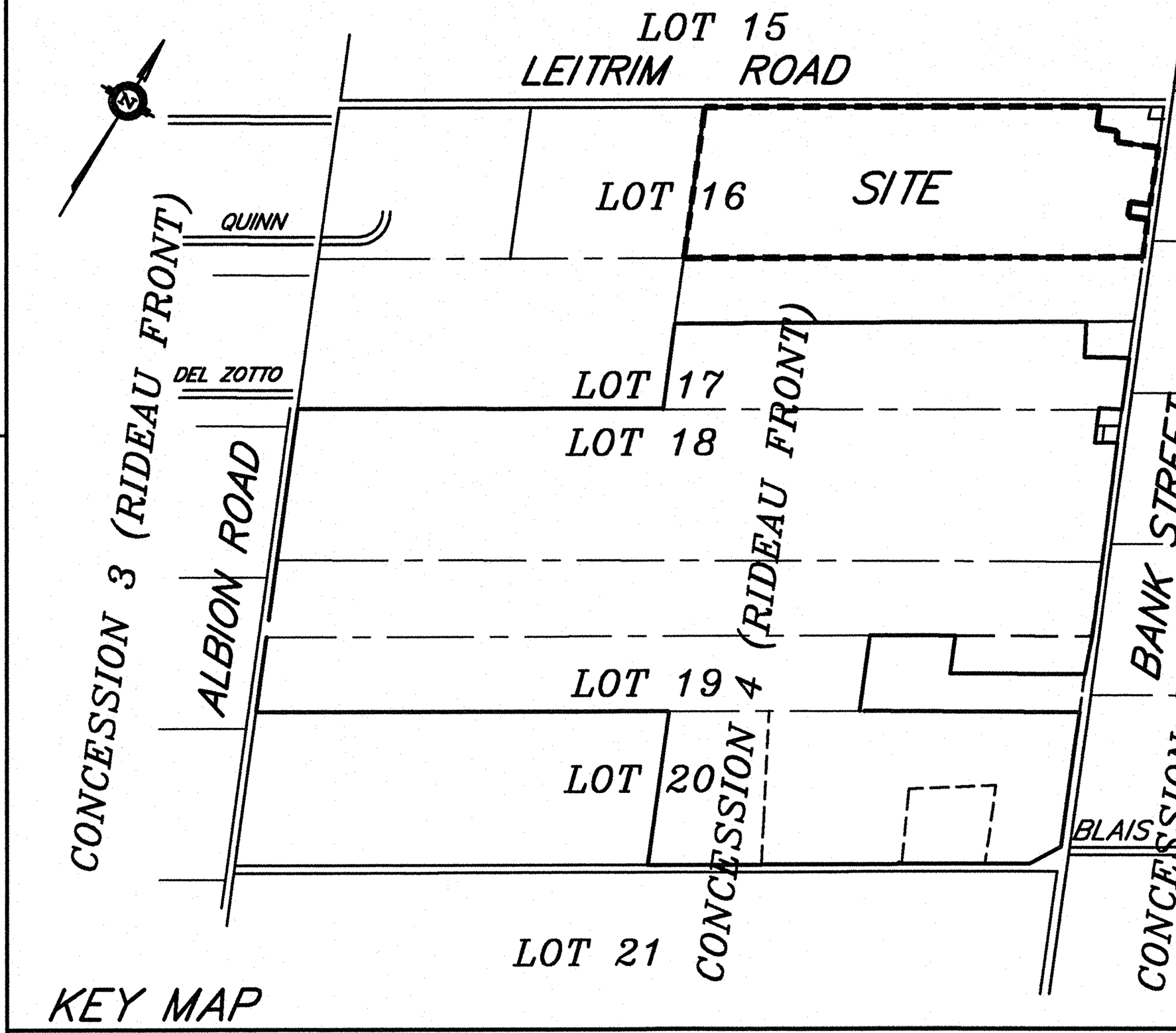
THIS DRAFT PLAN IS APPROVED BY THE CITY OF OTTAWA UNDER SECTION 51 OF THE PLANNING ACT. THIS____DAY OF

____________________20____

____

FELICE PETTI, P.Eng., MANAGER
DEVELOPMENT REVIEW, RURAL SERVICES
PLANNING AND GROWTH MANAGEMENT DEPARTMENT
PLANNING AND INFRASTRUCTURE PORTFOLIO
CITY OF OTTAWA





KEY MAP

DRAFT
PLAN OF SUBDIVISION

PART OF LOT 16
CONCESSION 4 (RIDEAU FRONT)
Geographic Township of Gloucester
CITY OF OTTAWA

STANTEC GEOMATICS LTD.

2013

SCALE 1:1500 METRES

0 50 100 150 200

METRIC METRES

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

SURVEYOR'S CERTIFICATE :

I HEREBY CERTIFY THAT THE BOUNDARIES OF THE SUBJECT LANDS AND THEIR RELATIONSHIP TO ADJOINING LANDS HAVE BEEN ACCURATELY AND CORRECTLY SHOWN.

DATE : Sept 12/13

ONTARIO LAND SURVEYOR

OWNER'S CERTIFICATE :

I HEREBY AUTHORIZE THIS DRAFT PLAN OF SUBDIVISION TO BE SUBMITTED ON MY BEHALF.

BARRETT CO-TENANCY

DATE : Sept. 16/13

ADDITIONAL INFORMATION :

d) RESIDENTIAL
h) CITY WATER AVAILABLE
i) SEE SOIL REPORT
j) SEE TOPOGRAPHICAL INFORMATION
k) ALL CITY SERVICES AVAILABLE
l) NONE KNOWN

NOTE:
THE PLAN DATA IS COMPILED FROM OFFICE RECORDS OF STANTEC GEOMATICS LTD. AND HAS NOT BEEN VERIFIED BY FIELD MEASUREMENTS. ALL DISTANCES ARE APPROXIMATE, TO BE VERIFIED BY FINAL REGISTERED PLAN(S).

FROM THE OFFICE OF

STANTEC GEOMATICS LTD.

Ontario Land Surveyors
OTTAWA – ONTARIO
(613)722–4420 FAX (613)722–0769
"E"–Mail: brian.webster@stantec.com
Website: www.stantec.com

P.M.: FP	DRAWN: CEC	FIELD: XX	CHECKED: XX	JOB No. : 161613010–131

161612553–131–Barrett Lands–rev7.dwg

W:\active\161612553_161613010_tartan_barrett_lands_fp\subdivision_draft_plan\dwg\dwg

APPENDIX B

Regulatory Requests and Responses

Ontario

Ministry of Natural Resources

Kemptville District
P.O. Box2002
10 Campus Drive
Kemptville, ONK0G 1J0

Tel.: (613) 258-8204
Fax.: (613) 258-3920

Ministère des Richesses naturelles

District de Kemptville
CP 2002
10 Campus Drive
Kemptville, ONK0G 1J0

Tél.: (613) 258-8204
Téléc.: (613) 258-3920

Thu. Oct 24, 2013

Maria Staneva
Golder
32 Steacie Drive
Kanata, Ontario
K2K 2A9
(613) 592-9600
mstaneva@golder.com

Attention: Maria Staneva

Subject: **Information Request**
Project Name: **Phase I ESA, 2960 Leitrim Road**
Site Address:
Our File No. **2013_GLO-2439**

Natural Heritage Values

The Ministry of Natural Resources (MNR) Kemptville District has carried out a preliminary review of the area in order to identify any potential natural resource and natural heritage values.

The MNR works closely with partner agencies and local municipalities in order to establish concurrent approval process and to achieve streamlined and efficient service delivery. The MNR strongly encourages all proponents to contact partner agencies (e.g. MOE, Conservation Authority, etc.) and appropriate municipalities early on in the planning process. This provides the proponent with early knowledge regarding agency requirements and approval timelines.

There are no known Natural Heritage Features (e.g. Provincially Significant Wetlands, Areas of Natural and Scientific Interest, etc.) identified on or in close proximity to the site. With that said, there are wooded areas on site.

Municipal Official Plans contain additional information related to natural heritage features. Please see the local municipal Official Plan for more information such as specific policies and direction pertaining to activities which may impact natural heritage features. For planning advice or Official Plan interpretation, please contact the local municipality.

Where natural values and natural hazards exist (e.g., floodplains), there may be additional approvals and permitting required from the local Conservation Authority. The MNR strongly recommends contacting the local Conservation Authority for further information and approvals. Please see the MNR Kemptville Information Guide (2012) for contact information pertaining to Conservation Authorities located within the Kemptville District area.

The Natural Heritage Information Centre (NHIC) can provide additional information and mapping as it pertains to natural heritage features and species at risk. The NHIC website (including mapping tools) is available to all members of the public, for more information please see the attached NHIC Information Sheet.

As per the Natural Heritage Reference Manual (Section 13; OMNR 2010) the MNR strongly recommends that an Ecological Site Assessment be carried out to more thoroughly determine the presence of natural heritage features, and Species at Risk and their habitat located on site. The MNR can provide survey methodology for particular species at risk and their habitats. In addition, the local planning authority may have more details pertaining to the requirements of the assessment process, which will result in allow for the municipality to make planning decisions which are consistent with the Provincial Policy Statement (2005).

Please be mindful of the breeding birds timing window of May 15 – July 31.

Species at Risk

With the new Endangered Species Act (ESA, 2007) in effect, it is important to understand which species and habitats exist in the area and the implications of the legislation. A review of the Natural Heritage Information Centre (NHIC) and internal records and aerial photograph interpretation indicate that there is a potential for the following Threatened (THR) and/or Endangered (END) species on the site or in proximity to it:

- Barn Swallow (THR)
- Blanding's Turtle (THR)
- Butternut (END)
- Eastern Meadowlark (THR)
- Henslow's Sparrow (END)
- Whip poor will (THR)

Species listed below receive both species and general habitat protection under Sections 9 and 10 of the ESA, 2007. Thus any potential works should consider disturbance of possible important habitat (e.g. nesting sites). Please note that as of June 30, 2013 general habitat protection applies to all Threatened and Endangered species. The habitat of these listed species is protected from damage and destruction and certain activities may require authorization(s) under the ESA.

Species receiving General Habitat protection:

- Barn Swallow (THR)
- Blanding's Turtle (THR)
- Butternut (END)
- Eastern Meadowlark (THR)
- Henslow's Sparrow (END)

- Whip poor will (THR)

If the proposed activity is known to have an impact on the species mentioned above or any other SAR, a permit under the Endangered Species Act, 2007 (ESA) may be required. It is recommended that MNR Kemptville be contacted prior to any activities being carried out to discuss potential survey and mitigation measures to avoid contravention of the ESA.

Habitat has been identified within the project area that appears suitable for one or more species listed by SARO as Special Concern (SC). In Addition, one or more Special Concern species has been documented to occur either on the site or nearby. Species listed as Special Concern are not protected under the ESA, 2007. However, please note that some of these species may be protected under the Fish and Wildlife Conservation Act. Species of Special Concern for consideration:

- Common Nighthawk (SC)
- Eastern Ribbonsnake (SC)
- Milksnake (SC)
- Red-headed Woodpecker (SC)
- Snapping Turtle (SC)

If any of these or any other species at risk are discovered throughout the course of the work, and/or should any species at risk or their habitat be potentially impacted by on site activities, MNR should be contacted immediately and operations be modified to avoid any negative impacts to species at risk or their habitat until further direction is provided by MNR.

Please note that information regarding species at risk is based on documented occurrences only and does not include an interpretation of potential habitat within or in proximity to the site in question. Although this data represents the MNR's best current available information, it is important to note that a lack of information for a site does not mean that additional features and values are not present. i.e.: Species at Risk (SAR) or their habitat could still be present at the location or in the immediate area. It is the responsibility of the proponent to ensure that species at risk are not killed, harmed, or harassed; or their habitat is not damaged or destroyed through the activities carried out on the site. The MNR continues to strongly encourage ecological site assessments to determine the potential for SAR habitat and occurrences. When a SAR or potential habitat for a SAR does occur on a site, it is recommended that the proponent contact the MNR for technical advice and to discuss what activities can occur without contravention of the Act. If an activity is proposed that will contravene the Act (such as Section 9 or 10), the proponent must contact the MNR to discuss the potential for a permit (Section 17). For specific questions regarding the Endangered Species Act (2007) or SAR, please contact a district Species at Risk Biologist at sar.kemptville@ontario.ca. For more information regarding the ESA (2007), please see attached ESA Information Sheet.

Please note: The advice in this letter may become invalid if:

- The Committee on the Status of Species at Risk in Ontario (COSSARO) re-assesses the status of the above-named species OR adds a species to the SARO List such that the section 9 and/or 10 protection provisions apply to those species.
- Additional occurrences of species are discovered.

- Habitat protection comes into force for one of the above-mentioned species through the creation of a habitat regulation (general habitat protection above).

This letter is valid until: Fri. Oct 24, 2014

The MNR would like to advise, by way of this letter, that we continue to be circulated on information with regards to this project. If you have any questions or require clarification please do not hesitate to contact me.

Sincerely,

Korey Walker
Resource Management Planner
korey.walker@ontario.ca

Encl.\
-ESA Infosheet
-NHIC/LIO Infosheet

Ministry of Natural Resources

Ontario

Natural. Valued. Protected.

Natural Heritage Information Centre

Land Information Ontario

Natural Heritage Information Centre: http://nhic.mnr.gov.on.ca/
Biodiversity Explorer (mapping): https://www.biodiversityexplorer.mnr.gov.on.ca/nhicWEB/main.jsp

Land Information Ontario: http://www.mnr.gov.on.ca/en/Business/LIO/index.html
Ontario Geospatial Data Exchange: http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STEL02_167959.html
LIO Make-a-Map: http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STDPROD_068999.html
Ontario Maps: http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STDPROD_068512.html

The **Natural Heritage Information Centre** (NHIC) compiles, maintains and distributes information on natural species, plant communities and spaces of conservation concern in Ontario. This information is stored in a spatial database used for tracking this information. The Centre also has a library with conservation-related literature, reports, books, and maps, which are accessible for conservation applications, land use planning, and natural resource management. The NHIC website makes much of this information available through the internet.

Natural Heritage Information Centre
300 Water Street, 2nd Floor, North Tower
P.O. Box 7000, Peterborough, ON, K9J 8M5
Tel.:(705) 755-2159 Fax:(705) 755-2168

Land Information Ontario (LIO) manages key provincial datasets. LIO makes these and hundreds of other data sets available to registered users at no charge. LIO also coordinates public and private sector organizations to collect high resolution satellite imagery for Ontario providing significant cost savings for all partners. Technical bulletins, newsletters and more are available online. More details regarding Ontario imagery and data can be searched, ordered and accessed online.

LIO's Ontario Geospatial Data Exchange (OGDE) allows more than 400 public sector organizations to easily share and use digital geographic information under a single legal agreement. Membership is available to eligible public organizations at no costs.

Through the website, Maps & Map Tools are made available, including online mapping software: LIO Make-a-Map.

Land Information Ontario
lio@ontario.ca
LIO Support Team: (705) 755-1878

Or for specifics, see online at:
http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STDPROD_068510.html

Additional Information pertaining to NHIC, LIO and other Natural Heritage and Data and Information tools is available in the MNR Kemptville Information Request Guide (2012).

Endangered Species Act, 2007 & Species At Risk in Ontario

Background

Endangered Species Act: http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statues-07e06_e.htm
Species at Risk in Ontario List: www.mnr.gov.on.ca/en/Business/Species/2ColumnSubPage/246809.html

The Endangered Species Act (ESA) 2007 protects both species and habitat. Section 9 of the ESA "prohibits killing, harming, harassing, capturing, possessing, collecting, buying, selling, trading, leasing or transporting species that are listed as threatened, endangered or extirpated". Section 10 of the ESA, 2007 prohibits damaging or destroying habitat of endangered or threatened species. Protected habitat is either based on general definition in the Act or prescribed through a regulation. The ESA 2007 defines general habitat as an area on which the species depends, directly or indirectly, to carry on its life processes, including reproduction, rearing, hibernation, migration or feeding.

It is important to be aware that changes may occur in both species and habitat protection. The ESA applies to listed species on the Species at Risk in Ontario List (SARO). The Committee on the Status of Species in Ontario (COSSARO) meets regularly to evaluate species for listing and/or re-evaluate species already listed. As a result, species' designations may change that could in turn change the level of protection they receive under the ESA 2007. Also, habitat protection provisions for a species may change e.g. if a species-specific habitat regulation comes into effect. The regulation would establish the area that is protected as habitat for the species.

Information with respect to SAR can be found in the online database at the Natural Heritage Information Centre (NHIC) - http://nhic.mnr.gov.on.ca/nhic.cfm . The NHIC compiles, maintains and distributes information on species at risk and updates its information on a regular basis. We encourage you to routinely check the NHIC database to obtain the most up to date SAR information for proposed work locations. However, while the NHIC database is the best available source of data, even when there are no known occurrences documented at a site, there is a possibility that SAR may occur at a proposed work location.

All data represents the MNR's best current available information, it is important to note that a lack of occurrence at a site does not mean that there are no Species at Risk (SAR) at the location. The MNR continues to encourage ecological site assessments to determine the potential for other SAR occurrences. When a SAR does occur on a proposed site, it is recommended that the proponent contact the MNR for technical advice and to discuss what activities can occur without contravention of the Act. If an activity is proposed that will contravene the Act (such as Section 9 or 10), the proponent must contact the MNR to discuss the potential for application of certain permits (Section 17) or agreement (Regulation 242/08). For specific questions regarding the Endangered Species Act (2007) or species at risk, please contact a district Species at Risk Biologist at sar.kemptville@ontario.ca.

Staneva, Maria

From: squibell@tssa.org on behalf of Public Information Services <publicinformationservices@tssa.org>
Sent: Tuesday, October 22, 2013 10:02 AM
To: Staneva, Maria
Subject: Re: TSSA request for information

Hi Maria,

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record:

4550 Bank St, Gloucester has record of 3 active aboveground tanks.

For a more detailed report including underground fuel storage tank details and copies of all inspection reports, please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a cheque made payable to TSSA.

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

Thank you and have a great day!

Regards,

Sarah Quibell

Public Information Services

TECHNICAL STANDARDS & SAFETY AUTHORITY
"Putting Public Safety First"
14th Floor, Centre Tower

3300 Bloor Street West
Toronto, ON M8X 2X4

www.tssa.org
Toll-Free: 1-877-682-8772

On Tue, Oct 22, 2013 at 9:57 AM, Staneva, Maria <Maria_Staneva@golder.com> wrote:

Hi Prem,

Could you please review your records to determine if any bulk fuel underground storage tanks (USTs) were registered on or near the addresses listed below. Also could you check if there are records of fuel spills, accidents or incidents on these addresses in Ottawa, ON.

2960, 3200 Leitrim Road

4550, 4570, 4660, 4500 Bank Street
2794, 2793 Fenton Road
4151 Albion Road; and
4543, 4549 Southclark Place

Thank you!

Maria

Maria Staneva (M.Eng., P.Eng.) | Environmental Engineer | **Golder Associates Ltd.**
32 Steacie Drive, Kanata, Ontario, Canada K2K 2A9
T: +1 (613) 592 9600 | **D:** +1 613 592 9600 x4237 | **F:** +1 (613) 592 9601 | **C:** +1 613-868-2595 | **E:** Maria_Staneva@golder.com | **www.golder.com**

Work Safe, Home Safe

Ministry of the Environment
Ottawa District Office
2430 Don Reid Drive
Ottawa ON K1H 1E1
Tel: (613) 521-3450
Fax: (613) 521-5437

Ministère de l'Environnement
Bureau du district d'Ottawa
2430, promenade Don Reid
Ottawa (Ontario) K1H 1E1
Tél. : (613) 521-3450
Téléc. : (613) 521-5437

Ontario

OTT File No: **134**

INDEX REVIEW REPORT
COMMERCIAL/INDUSTRIAL/AGRICULTURAL

Attention: **Maria Staneva** **Golder Associates**	Your File: Date Received: September 2, 2011

PROPERTY OWNER AND LOCATION

Present Owner:

Past Owners:

Location: Municipality: **Ottawa**

Address: **4570 Bank Street**

Lot Concession

INDEX OF NAMES FOR ORDERS

We have searched the *Ottawa* District Index Record of Active Orders under the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and the Pesticides Act (PA) issued to: and the following information has been found:

☒ Check here if no Active Orders are outstanding

Date of Search: October 17, 2011

INDEX OF NAMES FOR APPROVALS

We have requested a search of the Index Record of names of all persons to whom approvals have been issued, maintained by the Director, Approvals Branch and the Regional Director, *Eastern Region*, and the District Manager, *Ottawa District*, under Section 19 EPA and Section 13 OWRA and the following information has been provided :

Type	Number	Issued To	Issue Date
Section 9 EPA *(Air)*			
Section 39 EPA *(Waste Management)*			
Section 52 OWRA *(Water)*			
Section 53 OWRA *(Municipal/Private/ Industrial Sewage)*			
Other			

☒ Check here if no Approvals have been issued.

Date of Search: October 17, 2011

Please Note:

1) The information provided above is based solely on the name(s) of the present and past owners provided by you.
2) The Index Record of Names to whom approvals have been issued, maintained by the Regional Director and District Manager, has been searched back to 1993.
3) The Index Record of Names to whom approvals have been issued, maintained by the Director of Environmental Assessment and Approvals, has been searched back to 1985.
4) If an inspection of the Orders and/or Approvals identified is required please contact this office.
5) A search of our records does **NOT** indicate whether there are:
   - other uses for which an approval may have been required, **nor**
   - other uses on the property or in the vicinity that may affect the suitability of the property, for the use proposed to be made of it.

   If a comprehensive knowledge of the property and the nearby lands and their environmental condition is required, you must examine them and other relevant records yourself, with the aid of a qualified person, if needed.
6) **Please advise your colleagues that responses to requests for searches always take some time. As a result MOE may not be able to meet deadlines imposed by other parties on real estate and other transactions.**

Signature:
Contact Name: Johanne Veilleux
Title: Administrative Assistant

Address: Ministry of the Environment
2430 Don Reid Drive
Ottawa, ON K1H 1E1

Phone: (613) 521-3450 Ext 221 Date: October 17, 2011

File Number: C10-01-11-0190

September 29, 2011

Maria Staneva
Golder Associates Ltd.
32 Steacie Drive
Kanata, ON K2K 2A9

Dear Ms. Staneva,

Re: Information Request
4570 Bank Street, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

The Infrastructure Services and Community Sustainability Department has the following information in response to your request for information regarding the Subject Property:

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

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are 3 activities associated with the Subject Property: Activity Number 2672, 10765 & 12946.

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

- There are 25 activities associated with properties located within 50m of the Subject Property: Activity Number 6757, 2290, 3831, 5940, 11532, 1158, 11777, 7505, 10158,

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

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

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

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

6750, 3784, 8310, 8813, 216, 5906, 7119, 14561, 6106, 123, 12343, 15128, 6673, 9630, 10323 & 9863.

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

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment for additional information.

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

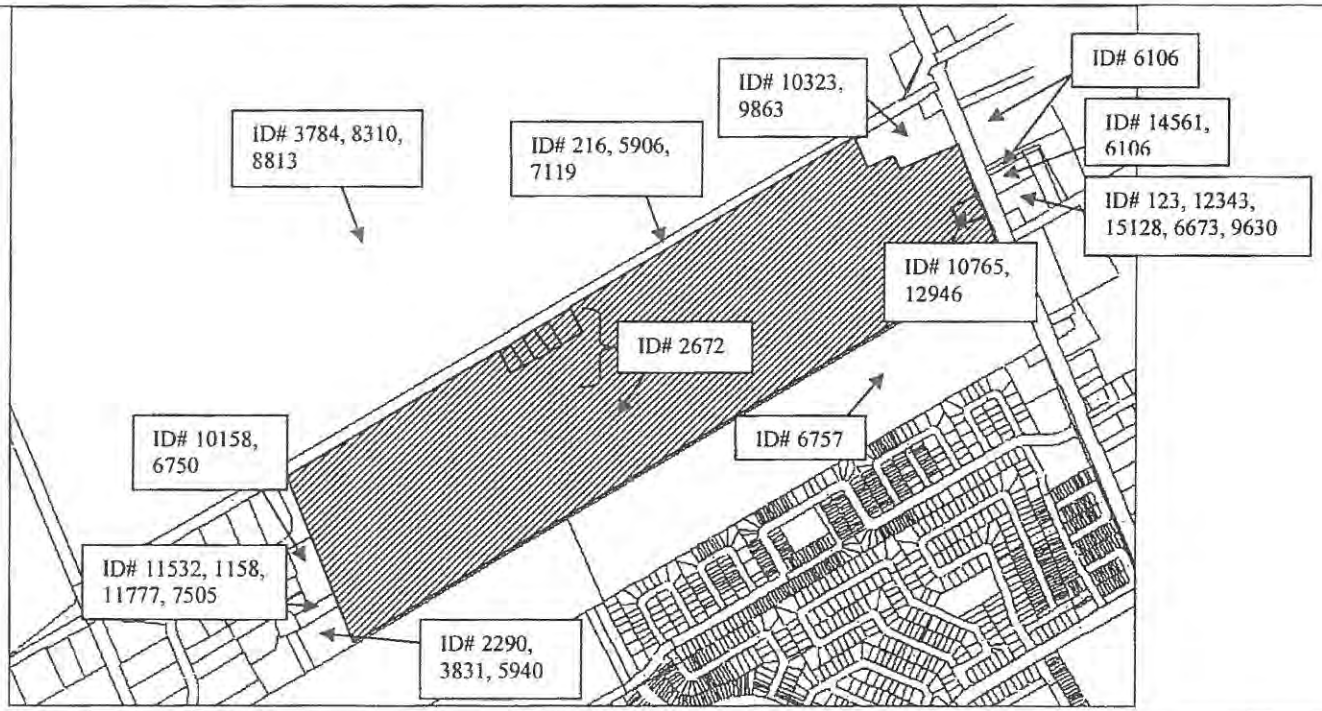
Sincerely,

Michael J. Boughton, MCIP, RPP
Acting Program Manager
Development Review (Suburban Services) - West
Infrastructure Services and Community Sustainability

MB/JK

Attach: 29

cc: File no. C10-01-11-0190



Scale 1: n/a

4570 Bank Street
Ottawa, ON
File # C10-01-11-0190
Jessica Krushnisky

Ottawa

ID# = Activity Identification Number

= Subject Site

Overview

CITY OF OTTAWA

HLUI ID: __670IWZ

AREA (Square Metres): 626101.003

Report: RPTC_OT_DEV0122

Run On: 22 Sep 2011 at: 11:32:34

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280195	Y	N

Activity ID: 2672 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6555

Related PINS: 043280195

Name: CITY OF GLOUCESTER - LEITRIM WORK SITE & GARAGE

Address: LEITRIM ROAD, GLOUCESTER

Facility Type: Other Storage and Warehousing Industries

Comments 1: - bulk salt/sand storage, truck & heavy equipment storage & repairs - 3 pumps (gas & diesel) on site 1981 - paper shows 2,000 tonnes of salt delivery

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: Township of Gloucester-File #16-286-Subject:Township Garage-Box 193, City of Gloucester-File #16-405-Subject: Surface Treatment & Paving-Box 198

HL References 2:

HL References 3:

NAICS	SIC
811121	635
419120	511
493120	479
493190	479
811112	635
412110	511
454310	511
493130	479
811119	635
913910	835

Company Name	Year of Operation
City of Gloucester - Leitrim Work Site & Garage	c. 1972

CITY OF OTTAWA

HLUI ID: __679BX9

AREA (Square Metres): 2786.547

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280196	Y	Y

Activity ID: 10765 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280196

Name: PETER KNIPPEL NURSERY INC.
Address: 4590 BANK STREET,
Facility Type: Agricultural Supplies, Wholesale
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
444210	0
444220	0

Company Name	Year of Operation
PETER KNIPPEL NURSERY INC.	c. 2001
PETER KNIPPEL NURSERY INC.	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280196	Y	Y

Activity ID: 12946 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280196

Name: SMITH'S FARM EQUIPMENT
Address: 4590 BANK STREET, OSGOODE
Facility Type: Farm Machinery, Equipment and Supplies, Wholesale
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
417110	0

Company Name	Year of Operation
SMITH'S FARM EQUIPMENT	c. 2001

CITY OF OTTAWA

HLUI ID: __679BX0

AREA (Square Metres): 223918.740

Report: RPTC_OT_DEV0122

Run On: 22 Sep 2011 at: 11:46:49

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280204	Y	N

Activity ID: 6757 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280204

Name: HOPE CEMETERY

Address: 4660 BANK STREET, GLOUCESTER

Facility Type: Other Transportation Industries

Comments 1:

Comments 2:

Generator Number: ON2049100

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
812220	0
485320	0

Company Name	Year of Operation
HOPE CEMETERY	c. 2000
HOPE CEMETERY	c. 2001
HOPE CEMETERY	c. 2003

CITY OF OTTAWA

HLUI ID: __679ALQ

AREA (Square Metres): 9801.720

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280184	Y	Y

Activity ID: 2290 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280184

Name: BOSS ELECTRIC
Address: 4549 SOUTHCLARK PLACE, GLOUCESTER
Facility Type: Mechanical Specialty Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
238210	0

Company Name	Year of Operation
BOSS ELECTRIC	c. 2001

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280184	Y	Y

Activity ID: 3831 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280184

Name: CRAWFORD T P LIMITED
Address: 4549 SOUTHCLARK PLACE,
Facility Type: Structural and Related Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
238170	0
238160	0
238390	0

Company Name	Year of Operation
CRAWFORD T P LIMITED	c. 2001
CRAWFORD T P LIMITED	c. 2005

CITY OF OTTAWA

HLUI ID: __679ALQ

AREA (Square Metres): 9801.720

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280184	Y	Y

Activity ID: 5940 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280184

Name: GRADUATE CONSTRUCTION REG'D
Address: 4549 SOUTHCLARK PLACE,
Facility Type: Residential Building and Development
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
236220	0
236110	0
236210	0

Company Name	Year of Operation
GRADUATE CONSTRUCTION REG'D	c. 2001
GRADUATE CONSTRUCTION REG'D	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280185	Y	Y

Activity ID: 11532 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4484

Related PINS: 043280185

Name: RELIABLE PLATING AND SURFACE FINISHING
Address: 4543 SOUTHCLARK PLACE, GLOUCESTER
Facility Type: Leather and Allied Products Industries
Comments 1: BAY 2
Comments 2:
Generator Number: ON1385900
Storage Tanks:
HL References 1: PID 1994; SC98
HL References 2:
HL References 3: 2003 PID

NAICS	SIC
331490	392
332210	304
332439	304
332720	304
332999	0
332118	304
332431	304
332810	0
339910	304

Company Name	Year of Operation
Canada Ltd.	c. 1994
Reliable Plating and Surface Finishing	c. 1998
RELIABLE PLATING AND SURFACE FINISHING	c. 2001
RELIABLE PLATING AND SURFACE FINISHING	c. 2003

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280185	Y	Y

Activity ID: 1158 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280185

Name: AXLE AUTOMOTIVE INC.
Address: 4543 SOUTHCLARK PLACE, GLOUCESTER
Facility Type: Other Motor Vehicle Services
Comments 1: UNIT 3
Comments 2:
Generator Number: ON2126800
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2000 PID

NAICS	SIC
332710	0
488410	0

Company Name	Year of Operation
AXLE AUTOMOTIVE INC.	c. 2000
AXLE AUTOMOTIVE INC.	c. 2003

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280185	Y	Y

Activity ID: 11777 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280185

Name: RITESCO ENTERPRISES INC.
Address: 4543 SOUTHCLARK PLACE,
Facility Type: Exterior Close In Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
238170	0
238160	0
238390	0

Company Name	Year of Operation
RITESCO ENTERPRISES INC.	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280185	Y	Y

Activity ID: 7505
Multiple PINS: N
PIN Certainty: 1
Previous Activity ID(s) :
Related PINS: 043280185

Name: KEN MC CORMACK CONSTRUCTION
Address: 4543 SOUTHCLARK PLACE,
Facility Type: Structural and Related Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
238170	0
238160	0
238390	0

Company Name	Year of Operation
KEN MC CORMACK CONSTRUCTION	c. 2005

CITY OF OTTAWA

HLUI ID: __670IIM

AREA (Square Metres): 8446.949

Report: RPTC_OT_DEV0122

Run On: 22 Sep 2011 at: 11:43:28

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280190	Y	Y

Activity ID: 10158 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6937

Related PINS: 043280189

Name: P.E. BRULE COMPANY LIMITED

Address: 2793 FENTON ROAD, GLOUCESTER

Facility Type: Ready Mix Concrete Industry

Comments 1: - property backs onto Soutclark Place, lot is in two parts - also lists as4521 Southclark Place

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: Township of Gloucester-File #15-235-Subject:"Real Estate"-Box 253

HL References 2:

HL References 3:

NAICS	SIC
238110	422
238170	422
327320	355
327330	354
238130	422
238299	422
327390	354
238120	422
238190	422
327990	354

Company Name	Year of Operation
P.E. Brule Company Ltd.	c. 1973

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280190	Y	Y

Activity ID: 6750 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280190

Name: HOVEY INDUSTRIES LIMITED
Address: 2793 FENTON ROAD, GLOUCESTER
Facility Type: Heating Equipment Industry
Comments 1:
Comments 2:
Generator Number: ON2518700
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2000 PID

NAICS	SIC
238210	0
332999	0
333416	0
238910	0
333310	0
335315	0
238220	0
333413	0

Company Name	Year of Operation
HOVEY INDUSTRIES LIMITED	c. 2000
HOVEY INDUSTRIES LIMITED	c. 2001
HOVEY INDUSTRIES LIMITED	c. 2003
HOVEY INDUSTRIES LIMITED	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043430001	Y	Y

Activity ID: 3784 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :** 6921

Related PINS: 043430001

Name: CORPORATION OF THE CITY OF GLOUCESTER
Address: 4550 BANK STREET, GLOUCESTER
Facility Type: Motor Vehicle Repair Shops
Comments 1: GEN# = ON0088602
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: PID1994
HL References 2:
HL References 3:

NAICS	SIC
415120	551
811111	551
811121	635
415190	551
811119	635
415110	551
811112	635
811310	551
913910	835

Company Name	Year of Operation
Corporation of the City of Gloucester	c. 1994

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043430001	Y	Y

Activity ID: 8310 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043430001

Name: MACNEIL THOMAS J CONTRACTING
Address: 2836 LESTER ROAD, OTTAWA
Facility Type: Residential Building and Development
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
236110	0

Company Name	Year of Operation
MACNEIL THOMAS J CONTRACTING	c. 2001

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043430001	Y	Y

Activity ID: 8813 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043430001

Name: MIDNIGHT MECHANICAL
Address: 3149 LEITRIM ROAD, GLOUCESTER
Facility Type: Plumbing, Heating and Air Conditioning, Mechanical Work
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
238220	0

Company Name	Year of Operation
MIDNIGHT MECHANICAL	c. 2001

CITY OF OTTAWA

HLUI ID: __670ISV

AREA (Square Metres): 71516.016

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280166	Y	Y

Activity ID: 216 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 6933

Related PINS: 043280166

Name: APPLIED INSULATION

Address: 2764 FENTON ROAD, GLOUCESTER

Facility Type: Glass and Glass Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: Township of Gloucester-File #15-235-Subject:Real Estate-Box 253

HL References 2:

HL References 3:

NAICS	SIC
327214	356

Company Name	Year of Operation
Applied Insulation	c. 1973

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280166	Y	Y

Activity ID: 5906 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280166

Name: GLASS CELL-ISOFAB INC.
Address: 2766 FENTON ROAD,
Facility Type: Lumber and Building Materials, Wholesale
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
444110	0

Company Name	Year of Operation
GLASS CELL-ISOFAB INC.	c. 2005
INSULATION DEPOT	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043280166	Y	Y

Activity ID: 7119 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280166

Name: INSUL-COUSTIC INC.
Address: 2766 FENTON ROAD, OTTAWA
Facility Type: Paper Box and Bag Industries
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
322299	0

Company Name	Year of Operation
INSUL-COUSTIC INC.	c. 2001

CITY OF OTTAWA

HLUI ID: __679FF3

AREA (Square Metres): 4203.413

Report: RPTC_OT_DEV0122

Run On: 22 Sep 2011 at: 11:37:33

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043450006	Y	Y

Activity ID: 14561 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043450006

Name: VALLEY SQUIRE FURNITURE
Address: 4599 BANK STREET, GLOUCESTER
Facility Type: Household Furniture Stores
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
442110	0

Company Name	Year of Operation
VALLEY SQUIRE FURNITURE	c. 2001

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043450006	Y	Y

Activity ID: 6106 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4376

Related PINS: 043450344

Name: GLOUCESTER HYDRO
Address: 4565 BANK STREET, GLOUCESTER
Facility Type: Electric Power Systems Industry
Comments 1:
Comments 2:
Generator Number: ON0483800
Storage Tanks:
HL References 1: MOEE PCB Inventory-1995; PID1994
HL References 2:
HL References 3: 2000 PID

NAICS	SIC
221111	0
221112	491
221119	491
221121	0
493120	479
221111	491
221113	0
221119	0
221121	491
221122	491
493190	479
221112	0
221113	491
221122	0
493130	479

Company Name	Year of Operation
Gloucester Hydro	c. 1994-1995
GLOUCESTER HYDRO	c. 2000
GLOUCESTER HYDRO	c. 2001
HYDRO OTTAWA LIMITED	c. 2003

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043450007	Y	Y

Activity ID: 123 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043450007

Name: ANYTHING FIAT & ALFA PARTS
Address: 4603 BANK STREET,
Facility Type: Household Furniture Stores
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2001 Employment Survey

NAICS	SIC
442110	0

Company Name	Year of Operation
ANYTHING FIAT & ALFA PARTS	c. 2001

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043450007	Y	Y

Activity ID: 12343 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043450007

Name: RON'S AUTO REPAIR & USED AUTO
Address: 4603 BANK STREET,
Facility Type: Motor Vehicles, Wholesale
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
811111	0

Company Name	Year of Operation
RON'S AUTO REPAIR & USED AUTO	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043450007	Y	Y

Activity ID: 15128 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043450007

Name: M - CUSTOM WELDING
Address: 4603 BANK STREET, OTTAWA
Facility Type:
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3:

NAICS	SIC
238990	0

Company Name	Year of Operation
M - CUSTOM WELDING	c. 2006

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043450007	Y	Y

Activity ID: 6673 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043450007

Name: HODGINS ASPHALT SEALERS
Address: 4603 BANK STREET,
Facility Type: Industrial Construction (Other Than Buildings)
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
237310	0

Company Name	Year of Operation
HODGINS ASPHALT SEALERS	c. 2005
MARTY'S ASPHALT SEALING	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	043450007	Y	Y

Activity ID: 9630 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 5492

Related PINS: 043450007

Name: RADMORE'S AUTOMOTIVE CTR
Address: 4603 BANK STREET,
Facility Type: Motor Vehicle Repair Shops
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1: M.1990, M.1997
HL References 2:
HL References 3: 2005 Select Phone

NAICS	SIC
811112	635
811121	0
811111	0
811119	635
811121	635

Company Name	Year of Operation
Greenacres Mobile Mechanics	c. 1997
Hodgins Asphalt Sealer	c. 1999
Oil Care Rust Proofing	c. 1999
Redmore Automotive Centre	c. 1999
RADMORE'S AUTOMOTIVE CTR	c. 2001
RADMORE'S AUTOMOTIVE CTR	c. 2005

CITY OF OTTAWA

HLUI ID: __679BLC

AREA (Square Metres): 19803.523

Report: RPTC_OT_DEV0122

Run On: 22 Sep 2011 at: 11:34:40

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280198	Y	Y

Activity ID: 10323 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280198

Name: PHARMACON RESEARCH INC.

Address: 4550 BANK STREET, GLOUCESTER

Facility Type: Medical and Other Health Laboratories

Comments 1: UNIT A

Comments 2:

Generator Number: ON2505400

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2003 PID

NAICS	SIC
541380	0
621510	0
541940	0

Company Name	Year of Operation
PHARMACON RESEARCH INC.	c. 2003
PHARMACON RESEARCH INC.	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	043280198	Y	Y

Activity ID: 9863 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 043280198

Name: OTTAWA CITY
Address: 3200 LEITRIM ROAD, GLOUCESTER
Facility Type: Protective Services
Comments 1:
Comments 2:
Generator Number:
Storage Tanks:
HL References 1:
HL References 2:
HL References 3: 2005 Property Assessment

NAICS	SIC
913140	0

Company Name	Year of Operation
OTTAWA CITY	c. 2005

APPENDIX C

EcoLog ERIS Report

Canada's Primary Environmental Risk Information Service

Project Site:	**Phase I ESA** **Southwest corner of Leitrim Road and Bank Street** **Ottawa, ON**
Client:	**Maria Staneva** **Golder Associates Ltd.** **32 Steacie Drive, Kanata** **Ottawa, ON K2K2A9**
ERIS Project No:	**20110831027**
Report Type:	**Custom Report - .25km Search Radius**
Prepared By:	**Matt Thompson** mthompson@eris.ca
Date:	**September 12, 2011**

Table of Contents

Order Number: 20110831027
Site Name: Phase I ESA
Site Address: Southwest corner of Leitrim Road and Bank Street Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

Report Summary

Order Number: 20110831027
Site Name: Phase I ESA
Site Address: Southwest corner of Leitrim Road and Bank Street Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

Number of Mappable Records Surrounding the Site

Database		Selected	On-site	Within 0.25	0.25km to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0	0
AGR	Aggregate Inventory	Y	0	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0	0
BORE	Borehole	Y	0	16	0	16
CA	Certificates of Approval	Y	0	7	0	7
CFOT	Commercial Fuel Oil Tanks	Y	0	1	0	1
CHEM	Chemical Register	Y	0	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0	0
CONV	Compliance and Convictions	Y	0	0	0	0
DRL	Drill Hole Database	Y	0	0	0	0
EBR	Environmental Registry	Y	0	4	0	4
EEM	Environmental Effects Monitoring	Y	0	0	0	0
EHS	ERIS Historical Searches	Y	0	5	0	5
EIIS	Environmental Issues Information System	Y	0	0	0	0
FCON	Federal Convictions	Y	0	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	Y	0	0	0	0
FST	Fuel Storage Tank	Y	0	20	0	20
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	55	0	55
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0	0
MNR	Mineral Occurrences	Y	1	1	0	1
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0	0
NPCB	National PCB Inventory	Y	0	3	0	3
NPRI	National Pollutant Release Inventory	Y	0	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	5	0	5
PAP	Canadian Pulp and Paper	Y	0	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0	0
PES	Pesticide Register	Y	0	3	0	3
PRT	Private and Retail Fuel Storage Tanks	Y	0	6	0	6
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0	0
RSC	Record of Site Condition	Y	0	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	1	0	1

Report Summary

Order Number: 20110831027
Site Name: Phase I ESA
Site Address: Southwest corner of Leitrim Road and Bank Street Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

Database		Selected	On-site	Within 0.25	0.25km to 0.25km	Total
SCT	Scott's Manufacturing Directory	Y	0	17	0	17
SPL	Ontario Spills	Y	0	3	0	3
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	0	0
WWIS	Water Well Information System	Y	10	41	0	41
		TOTAL	11	188	0	188

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.

SITE DIAGRAM

ECOLOG ERIS
Pinpointing Your Environmental Risks
12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: Phase I ESA
Southwest corner of Leitrim Road and Bank Street
Ottawa, ON

ERIS Project #: 20110831027

Date: SEP-12-2011

LEGEND

- Project Property
- Database Location

Points of Interest
- Chimney
- Silo

Pipe & Transmission Lines
- Pipeline
- Transmission Line
- Transmission Tower
- Transformer Station

Rail
- Railway - Main
- Railway - Sidetrack
- Railway - Abandoned
- Bridge
- Tunnel

Transportation - Other
- Embankment
- Trail
- Runway

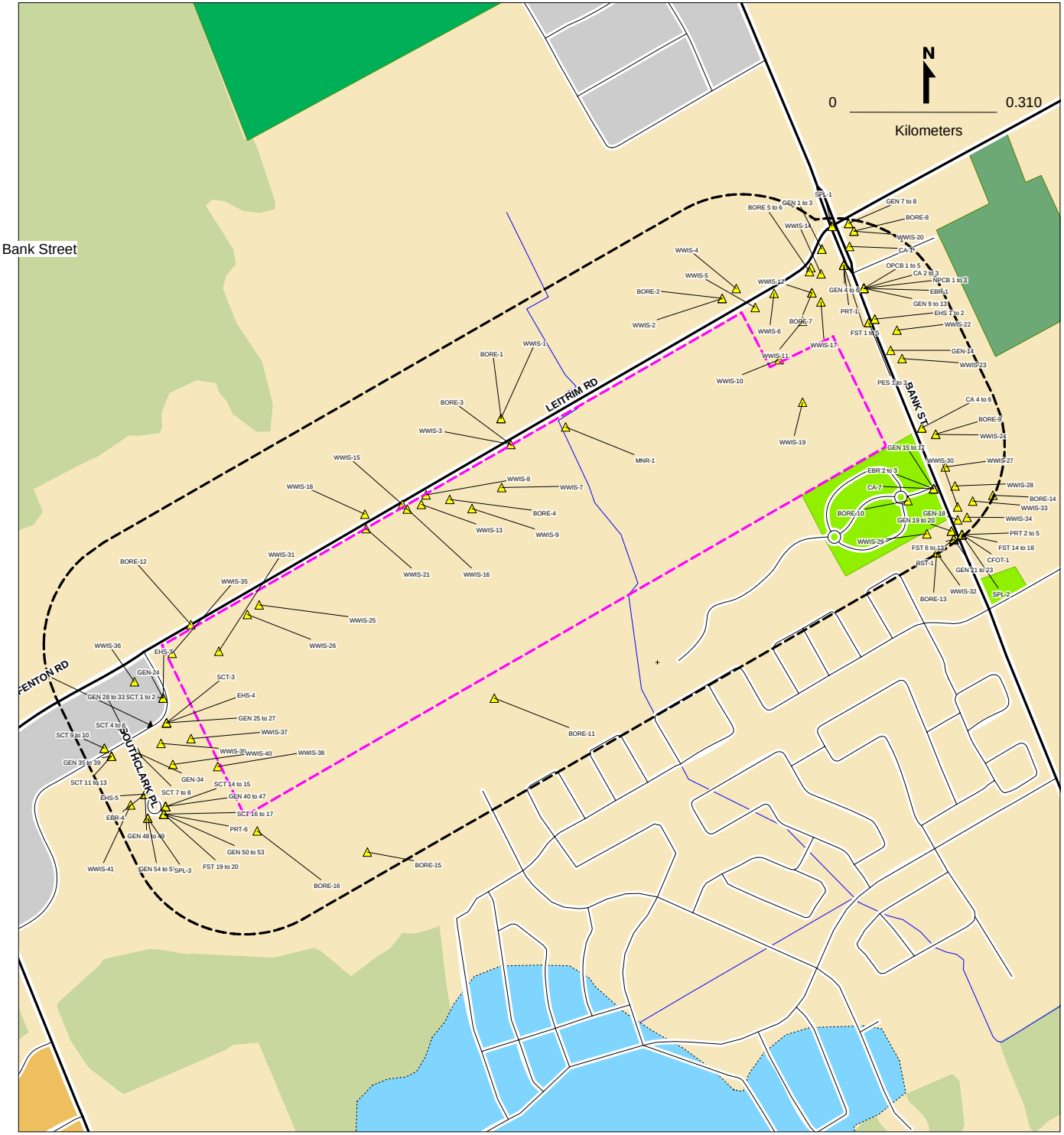
Hydrographic Features
- Permanent Waterway
- Intermittent Waterway
- Open Reservoir
- Dyke/Levee
- Dam
- Breakwall
- Wetland

Landuse Classifications
- Open Area
- Residential
- Commercial
- Resource and Industrial
- Government and Institutional
- Parks and Recreational
- Waterbody

Recreation
- Golf Course/Driving Range
- Park/Sports Field
- Other Recreation Area
- Sports/Race Track
- Cemetery
- Campground

Vegetation
- Wooded Area
- Orchard
- Vineyard

Industrial Resources
- Conveyor
- Crane: Moveable
- Crane: Stationary
- Tank
- Rock Cut
- Auto Wrecker
- Lumber Yard
- Pit



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

Site Report

Order Number: 20110831027
Site Name: Phase I ESA
Site Address: Southwest corner of Leitrim Road and Bank Street Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

Water Well Information System

Map Key	Company Name	Address	City	Postal Code
WWIS-8				
		lot 16 con 4		
WWIS-9				
		lot 16 con 4		
WWIS-13				
		lot 16 con 4		
WWIS-16				
		lot 16 con 4		
WWIS-19				
		lot 16 con 4		
WWIS-21				
		lot 16 con 4		
WWIS-25				
		lot 16 con 4		
WWIS-26				
		lot 16 con 4		
WWIS-31				
		lot 16 con 4		
WWIS-35				
		lot 16 con 4		

Mineral Occurrences

Map Key	Company Name	Address	City	Postal Code
MNR-1	LEITRIM			

Detail Report

Order Number: 20110831027
Site Name: Phase I ESA
Site Address: Southwest corner of Leitrim Road and Bank Street Ottawa ON
Report Type: Custom Report, 0.25 km Search Radius

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

Borehole

Certificates of Approval

Commercial Fuel Oil Tanks

Compliance and Convictions

Environmental Registry

ERIS Historical Searches

Fuel Storage Tank

Ontario Regulation 347 Waste Generators Summary

Mineral Occurrences

National Environmental Emergencies System (NEES)

National PCB Inventory

Inventory of PCB Storage Sites

Pesticide Register

Private and Retail Fuel Storage Tanks

Retail Fuel Storage Tanks

Scott's Manufacturing Directory

Ontario Spills

Water Well Information System

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-1			614719	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 452291.000
Northing: 5019492.000
Location Accuracy:
Orig. Ground Elevation(m): 96.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 98
Total Depth(m): 27.700001
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399128	4	12.200000	LIMESTONE. GREY.
218399129	12.200000	12.500000	LIMESTONE. BLUE.
218399130	12.500000	27.700001	LIMESTONE. GREY. 000570002500297ROCK. SEISMIC VELOCITY = 12000. . BEDROCK. GREY,SOUND,ST
218399127	0	4	SOIL.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-2			614725	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 452761.000
Northing: 5019742.000
Location Accuracy:
Orig. Ground Elevation(m): 103.599998
Elev. Reliability Note:
DEM Ground Elevation(m): 99.800003
Total Depth(m): 26.200001
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399142	0	0.900000	SOIL. BLACK.
218399143	0.900000	6.700000	CLAY. BLUE.
218399144	6.700000	10.700000	SAND. GREY.
218399145	10.700000	26.200001	SLATE. 00086EY. 000570002500297ROCK. SEISMIC VELOCITY = 12000. . BEDROCK. GREY,SOUND

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-3			614717	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 452311.000
Northing: 5019437.000
Location Accuracy:
Orig. Ground Elevation(m): 96
Elev. Reliability Note:
DEM Ground Elevation(m): 97.800003
Total Depth(m): 97.500000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399122	0	2.400000	CLAY. GREY.
218399123	2.400000	62.500000	LIMESTONE. GREY.
218399124	62.500000	97.500000	SANDSTONE. GREY. 0007000205GREY. 0002500297ROCK. SEISMIC VELOCITY = 12000. . BEDROCK.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-4			614716	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 452181.000
Northing: 5019322.000
Location Accuracy:
Orig. Ground Elevation(m): 97.500000
Elev. Reliability Note:
DEM Ground Elevation(m): 97.599998
Total Depth(m): -999.000000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level: 0.300000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399120	0	3.700000	TILL.
218399121	3.700000		BEDROCK. CK. WATER STABLE AT 319.0 FEET.STONE. GREY. 0002500297ROCK. SEISMIC VELOCITY =

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-5			805928	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Hollow stem auger
UTM Zone: 18
Easting: 452946.274
Northing: 5019796.722
Location Accuracy:
Orig. Ground Elevation(m): 99.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 103.099998
Total Depth(m): 4.400000
Primary Name: BH 2
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218586862	4.100000	4.400000	Grey Compact Sand With: Si Trace: Gr
218586857	0	0.100000	Asphalt
218586858	0.100000	0.400000	Grey Crushed Stone FILL
218586859	0.400000	1.100000	Brown Fill-Misc Sand - Gravel With: Cob
218586860	1.100000	3.800000	Brown to Grey Compact sand silt Trace: Gr
218586861	3.800000	4.100000	Grey Compact Silt - Sand

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-6			805927	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Hollow stem auger
UTM Zone: 18
Easting: 452949.284
Northing: 5019805.665
Location Accuracy:
Orig. Ground Elevation(m): 99.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 103.099998
Total Depth(m): 5.200000
Primary Name: BH 1
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218586848	0	0.100000	Asphalt
218586849	0.100000	0.200000	Brown-Grey Crushed Stone FILL
218586850	0.200000	1.200000	Brown Loose Fill-Misc Sand - Gravel Trace: Si
218586851	1.200000	1.300000	Dark Brown Topsoil Silt
218586852	1.300000	3.200000	Brown to Grey Compact sand silt Trace: Gr
218586853	3.200000	3.700000	Grey Compact Silt - Sand
218586854	3.700000	4.100000	Grey sand silt
218586855	4.100000	4.400000	Grey Compact Till sand silt With: Gr Trace: Cl
218586856	4.400000	5.200000	Grey Compact Sand With: Si Trace: Gr

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-7			614726	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 452951.000
Northing: 5019752.000
Location Accuracy:
Orig. Ground Elevation(m): 103.599998
Elev. Reliability Note:
DEM Ground Elevation(m): 103.800003
Total Depth(m): 9.800000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399146	0	1.200000	CLAY.
218399147	1.200000	9.100000	SAND.
218399148	9.100000	9.800000	SHALE. BLACK. 00031. SLATE. 00086EY. 000570002500297ROCK. SEISMIC VELOCITY = 12000.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-8			614729	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 453041.000
Northing: 5019882.000
Location Accuracy:
Orig. Ground Elevation(m): 103.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 104.199997
Total Depth(m): 58.200001
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399154	0	2.400000	CLAY. BLUE.
218399155	2.400000	58.200001	SLATE. BLUE. GREY. 00078E. 00086EY. 000570002500297ROCK. SEISMIC VELOCITY = 12000

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-9			614718	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 453211.000
Northing: 5019452.000
Location Accuracy:
Orig. Ground Elevation(m): 103.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 104.099998
Total Depth(m): 13.100000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399125	0	1.500000	CLAY.
218399126	1.500000	13.100000	LIMESTONE. 00040Y. SANDSTONE. GREY. 0007000205GREY. 0002500297ROCK. SEISMIC VELOCITY =

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-10			614714	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 453151.000
Northing: 5019312.000
Location Accuracy:
Orig. Ground Elevation(m): 102.099998
Elev. Reliability Note:
DEM Ground Elevation(m): 102.599998
Total Depth(m): -999.000000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level: 4.900000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399116	0	4.900000	STONES. LOOSE.
218399117	4.900000		BEDROCK. WATER STABLE AT 319.0 FEET.STONE. GREY. 0002500297ROCK. SEISMIC VELOCITY = 12000.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-11			804447	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Hollow stem auger
UTM Zone: 18
Easting: 452272.031
Northing: 5018901.922
Location Accuracy:
Orig. Ground Elevation(m):
Elev. Reliability Note:
DEM Ground Elevation(m): 93.800003
Total Depth(m): 4.600000
Primary Name: BH.6
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level: 0.300000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218580654	0	0.200000	Dark Brown Topsoil Silt
218580655	0.200000	1.800000	Grey-Brown Stiff to Very Stiff Weathered Crust Silty Clay With: Sa
218580656	1.800000	3	Dark Grey to Grey Very Loose to Loose Silt With: Sa Trace: Gr
218580657	3	4.600000	Grey Compact Till sand silt With: Cl W Gr Occasional: Blds

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-12			614708	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 451631.000
Northing: 5019062.000
Location Accuracy:
Orig. Ground Elevation(m): 96.900002
Elev. Reliability Note:
DEM Ground Elevation(m): 96.300003
Total Depth(m): -999.000000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399096	2.100000	12.200000	UNSPECIFIED. SEISMIC VELOCITY = 6400.
218399097	12.200000		BEDROCK. SEISMIC VELOCITY = 12000. . BEDROCK. GREY,SOUND,STRATIFIED. 000800150550450000013
218399095	0	2.100000	UNSPECIFIED. SEISMIC VELOCITY = 1300.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-13			614710	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 453211.000
Northing: 5019202.000
Location Accuracy:
Orig. Ground Elevation(m): 104.199997
Elev. Reliability Note:
DEM Ground Elevation(m): 102.800003
Total Depth(m): 77.699997
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399102	4.900000	77.699997	SHALE. BLACK. 001001300. UNSPECIFIED. SEISMIC VELOCITY = 6400. BEDROCK. SEISMIC VELOCITY =
218399101	0	4.900000	SHALE.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-14			614715	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 453331.000
Northing: 5019322.000
Location Accuracy:
Orig. Ground Elevation(m): 100.599998
Elev. Reliability Note:
DEM Ground Elevation(m): 103.199997
Total Depth(m): -999.000000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level: 3.400000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399118	0	1.500000	TILL.
218399119	1.500000		BEDROCK. CK. WATER STABLE AT 319.0 FEET.STONE. GREY. 0002500297ROCK. SEISMIC VELOCITY =

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-15			804446	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Hollow stem auger
UTM Zone: 18
Easting: 452000.936
Northing: 5018579.021
Location Accuracy:
Orig. Ground Elevation(m):
Elev. Reliability Note:
DEM Ground Elevation(m): 94.500000
Total Depth(m): 4.200000
Primary Name: BH.5
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218580650	0	0.300000	Dark Grey Topsoil clay silt
218580651	0.300000	1.100000	Grey-Brown Very Stiff clay silt
218580652	1.100000	3.200000	Grey Loose to Compact Silt
218580653	3.200000	4.200000	Grey Compact to Very Dense Till Silt - Sand With: Cl W Gr Occasional: Blds

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-16			804444	Borehole	Geotechnical/Geological Investigation

Status:
Drill Method: Hollow stem auger
UTM Zone: 18
Easting: 451768.054
Northing: 5018625.350
Location Accuracy:
Orig. Ground Elevation(m):
Elev. Reliability Note:
DEM Ground Elevation(m): 94.599998
Total Depth(m): 2.200000
Primary Name: BH.4
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218580643	0	0.900000	Brown sand silt Trace: Gr
218580644	0.900000	2.200000	Brown to Grey Loose to Compact Till sand silt With: Cl W Gr Occasional: Blds

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	City of Ottawa	4561 Bank St Ottawa	2010-7JZLHK	2008	10/2/2008	Air	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-2	Hydro Ottawa Limited	4565 Bank Street Ottawa	2200-6FSLF7	2005	9/6/2005	Air	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-3	Hydro Ottawa Limited	4565 Bank St Ottawa	9836-8B5R3R	2011	4/5/2011	Air	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-4	The Ottawa Rotary Club for Crippled Children	4637 Bank St formerly 4635 Bank Street Ottawa	3707-7GFQTB	2008	7/14/2008	Municipal and Private Sewage Works	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-5	The Ottawa Rotary Club for Crippled Children	4637 Bank St formerly 4635 Bank Street Ottawa	4390-7HXPK6	2008	8/28/2008	Municipal and Private Sewage Works	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-6	The Ottawa Rotary Home	4637 Bank St formerly 4635 Bank Street Ottawa	1750-7GNMAR	2008	8/14/2008	Air	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-7	The Roman Catholic Episcopal Corporation of Ottawa	4660 Bank St Gloucester Ottawa	8875-83VNMT	2010	4/28/2010	Air	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
n/a	THE ROMAN CATHOLIC EPISCOPAL CORP.OTTAWA	HOPE CEMETERY GLOUCESTER CITY	8-4015-88-	88	4/26/1988	Industrial air	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**			CREMATOR Nitrogen Oxides, Suspended Particulate Matter No Controls		

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	OSSORY CANADA INC.	PRIVATE BLDG. BANK ST. OTTAWA CITY	3-0515-87-	87	4/23/1987	Municipal sewage	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
n/a	MACDONALD DEVELOPMENT CORP.-PLAZA	EASEMENT-BANK STREET OTTAWA CITY	3-1864-86-	86	12/19/1986	Municipal sewage	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
n/a	MACDONALD DEVELOPMENT CORP.	BANK ST. OTTAWA CITY	3-1072-88-	88	9/28/1988	Municipal sewage	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
n/a	THE DOUGLAS MACDONALD DEV. CORP.	COMMERCIAL PLAZA BANK STREET OTTAWA CITY	7-1304-86-	86	10/28/1986	Municipal water	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	BANK STREET MAZDA	SITE RD. BANK ST. GLOUCESTER CITY	7-1460-88-	88	9/9/1988	Municipal water	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a	CITY OF OTTAWA - GLOUCESTER ST.	GLOUCESTER/LYON/BANK STS. OTTAWA CITY	7-0091-90-	90	2/16/1990	Municipal water	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a	CITY	BANK ST. GLOUCESTER CITY	3-0859-85-006	85	8/1/85	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a	Visser Manufacturing Ltd.	Ottawa	0710-7Y5Q6Y	2009	12/15/2009	Air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	City of Ottawa	Parts of Leitrim Road, Gilligan Road and Quinn Rd Ottawa	1942-83UPM4	2010	3/24/2010	Municipal and Private Sewage Works	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
n/a	City of Ottawa	Leitrim Road at Bank Street Ottawa	2089-5KJLPZ	2003	3/19/2003	Municipal and Private Sewage Works	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
n/a	W. O. Stinson & Son Limited	Ottawa	7712-79VSZY	2007	12/28/2007	Industrial Sewage Works	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					

Commercial Fuel Oil Tanks

Map Key	Company	Address	Registration No.	Licence No.	Tank Size	Year Installed	Tank Material
CFOT-1	W.O. Stinson & Son Ltd.	4727 Bank St. GLOUCESTER K1T 3W7	200204-2415		2200 L	1991	Steel

Distributor: W.O. Stinson & Son Ltd.
Contact Name:
Contact Address: 4726 Bank St
Contact Address2:
Contact City: Glouchester
Comments:

Compliance and Convictions

Map Key	Company	Address	File No.	Crown Brief No.	Ministry District	Region
n/a	Taggart Construction Limited	Bank Street South Ottawa	010503			

Description: On December 3, 2009, Taggart Construction Limited pleaded guilty to one violation under the Ontario Water Resources Act for failing to comply with a Provincial Officer Order to submit weekly water taking records showing daily water taking volumes. The company was contracted to install municipal services for the Findlay Creek Subdivision located on Bank Street in South Ottawa. A ministry inspection of the construction site in the fall of 2007 revealed concerns with water taking activities and a Provincial Officer Order was issued. One of the requirements of the Order, related to keeping accurate water taking records and submitting them to the ministry, was not complied with. The company was charged following an investigation by the ministry¿s Investigations and Enforcement Branch and was fined $5,000 plus victim fine surcharge. The company was given 30 days to pay the fine.

Date Charged	Fine	Act/Regulation/Section	Charge Disposition
December 3,	$5,000	Provincial Officer Order	fine, victim fine surcharge

Environmental Registry

Map Key	Company	Address	Year	EBR Registry No.	Ministry Ref. No.	Type
EBR-1	Hydro Ottawa Limited	4565 Bank Street Ottawa K1T 3W6	2009	010-6526	9498-7RBPG7	Instrument Proposal
			Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	April 27, 2009		
			Location:	4565 Bank Street Ottawa K1T 3W6		
			Proponent Address:	3025 Albion Road North Ottawa Ontario Canada K1G 3S4		
EBR-2	The Roman Catholic Episcopal Corporation of Ottawa	4660 Bank Street Ottawa K1T 3W7	2009	010-8374	3272-7XANPL	Instrument Proposal
			Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	November 16, 2009		
			Location:	4660 Bank Street Ottawa K1T 3W7		
			Proponent Address:	1247 Kilborn place Ottawa Ontario Canada K1H 6K9		
EBR-3	The Roman Catholic Episcopal Corporation of Ottawa	4660 Bank Street Ottawa K1T 3W7	2008	010-3275	8693-7CELTN	Instrument Proposal
			Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	April 15, 2008		
			Location:	4660 Bank Street Ottawa K1T 3W7		
			Proponent Address:	1247 Kilborn Place Ottawa Ontario Canada K1H 6K9		
EBR-4	Visser Manufacturing Ltd.	Lot:Part 16 Concession:4 Ottawa K1T 3V1	2008	010-4872	2588-7JLR94	Instrument Proposal
			Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	October 09, 2008		
			Location:	Ottawa K1T 3V1 Lot:Part 16 Concession:4		
			Proponent Address:	4534 Southclark Place Ottawa Ontario Canada K1T 3V1		
n/a	Ducks Unlimited Canada	Part of Lot 17, Concession 5 Ottawa	2005	IA05E0587	ER-7167-6B9M6T	Instrument Decision
			Instrument Type:	Permit to take water - OWRA s. 34		
			Proposal Date:			
			Location:	Part of Lot 17, Concession 5, geographic Township of Rideau, City of Ottawa.TOWNSHIP OF RIDEAU LAKES		
			Proponent Address:	1-614 Norris Court Kingston Ontario K7P 2R9		
n/a	Findlay Creek Properties & 1374537 Ontario Ltd.	Lot 17, 18, 19 & 20, Concession IV Ottawa	2010	011-0669	0280-87KK7C	Instrument Proposal
			Instrument Type:	(OWRA s. 34) - Permit to take water		
			Proposal Date:	July 21, 2010		
			Location:	Lot 17, 18, 19 & 20, Concession IV, Township of Gloucester, City of Ottawa		
			Proponent Address:	237 Somerset Street West Ottawa Ontario Canada K2P 0J3		

Environmental Registry

Map Key	Company	Address	Year	EBR Registry No.	Ministry Ref. No.	Type
n/a	Claridge Homes (Leitrim) Inc.	Lot: Part of 17, 18, 19 & 20, Concession: V Ottawa	2010	011-1598	2138-8AUM2F	Instrument Proposal
			Instrument Type:	(OWRA s. 34) - Permit to take water		
			Proposal Date:	November 05, 2010		
			Location:	Lot: Part of 17, 18, 19 & 20, Concession: V, Ottawa, City		
			Proponent Address:	2001 210 Gladstone avenue Ottawa Ontario Canada K2P 0Y6		
n/a	City of Ottawa - Fleet Services	951 Clyde Ave, 3202 Leitrim Rd, 1159 Moodie Dr Ottawa	2011	011-2719	SR 537064	Instrument Proposal
			Instrument Type:	(Liquid Fuels Handling Code) - Liquid Fuels Handling Code Section		
			Proposal Date:	February 25, 2011		
			Location:	951 Clyde Ave, Ottawa, 3202 Leitrim Rd., Ottawa, 1159 Moodie Dr., Ottawa		
			Proponent Address:	2799 Swansea Crescent Ottawa Ontario Canada K1G 5X5		

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		4603 Bank Street n/a K1T 3W6	20060404013w **Addit. Info Ordered:**	4/4/2006	Online Mapless	0.25
EHS-2		4603 Highway 31 Road n/a	20060404014w **Addit. Info Ordered:**	4/4/2006	Online Mapless	0.25
EHS-3		2794 Fenton Road Ottawa	20070925005 **Addit. Info Ordered:**	10/3/2007 Fire Insur. Maps And /or Site Plans	CAN - Custom Report	0.25
EHS-4		2793-4 Fenton Road Gloucester	20000510004 **Addit. Info Ordered:**	5/15/00	Complete Report	0.60
EHS-5		4534 Southclarke Rd Ottawa	20041005004 **Addit. Info Ordered:**	10/14/04	Custom Report	0.25
n/a		Bank St Ottawa	20060427021 **Addit. Info Ordered:**	5/5/2006	Custom Report	0.25

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-1	CITY OF OTTAWA ATTN ACCOUNTS PAYABLE 26-75	4550 BANK ST GLOUCESTER K1G 3V5			June 2010	Private Fuel Outlet	FS PRIVATE FUEL OUTLET - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	22700	2007	Painted	Liquid Fuel Double Wall AST - Diesel
Active	4682	2007	Painted	Liquid Fuel Double Wall AST - Gasoline
Active	9186	2007	Painted	Liquid Fuel Double Wall AST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-2	CITY OF OTTAWA ATTN ACCOUNTS PAYABLE 26-75	4550 BANK ST GLOUCESTER K1G 3V5			June 2011	Private Fuel Outlet	FS PRIVATE FUEL OUTLET - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	4682	2007	Painted	Liquid Fuel Double Wall AST - Gasoline
Active	9186	2007	Painted	Liquid Fuel Double Wall AST - Diesel
Active	22700	2007	Painted	Liquid Fuel Double Wall AST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-3	CITY OF OTTAWA ATTN ACCOUNTS PAYABLE 26-75	4550 BANK ST GLOUCESTER	8/16/1993	Licensed	December 2008	Private Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	4682	2007		Liquid Fuel Double Wall AST - Gasoline
Active	22700	2007		Liquid Fuel Double Wall AST - Diesel
Active	9186	2007		Liquid Fuel Double Wall AST - Diesel

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-4	CITY OF OTTAWA ATTN ACCOUNTS PAYABLE 26-75	4550 BANK ST GLOUCESTER K1G 3V5			January 2010	Private Fuel Outlet	FS PRIVATE FUEL OUTLET - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	22700	2007	Painted	Liquid Fuel Double Wall AST - Diesel
Active	4682	2007	Painted	Liquid Fuel Double Wall AST - Gasoline
Active	9186	2007	Painted	Liquid Fuel Double Wall AST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-5	CITY OF OTTAWA ATTN ACCOUNTS PAYABLE 26-75	4550 BANK ST GLOUCESTER	8/16/1993	Licensed	August 2007	Private Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	22700	1979		Liquid Fuel Single Wall UST - Gasoline
Active	22700	1979		Liquid Fuel Single Wall UST - Gasoline
Active	22700	1979		Liquid Fuel Single Wall UST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-6	W O STINSON & SONS LTD	4726 BANK ST GLOUCESTER K1T 3W7			June 2011	Retail Fuel Outlet	FS GASOLINE STATION - CARD/KEYLOCK

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	25000	1998	Fiberglass	Double Wall UST - Diesel
Active	25000	1998	Fiberglass	Double Wall UST - Gasoline
Active	50000	1998	Fiberglass	Double Wall UST - Diesel
Active	50000	1998	Fiberglass	Double Wall UST - Gasoline
Active	25000	1998	Fiberglass	Double Wall UST - Gasoline

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-7	W O STINSON & SONS LTD	4726 BANK ST GLOUCESTER K1T 3W7			January 2010	Retail Fuel Outlet	FS GASOLINE STATION - CARD/KEYLOCK

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	25000	1998	Fiberglass	Liquid Fuel Double Wall UST - Diesel
Active	25000	1998	Fiberglass	Liquid Fuel Double Wall UST - Gasoline
Active	50000	1998	Fiberglass	Liquid Fuel Double Wall UST - Diesel
Active	50000	1998	Fiberglass	Liquid Fuel Double Wall UST - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-8	W O STINSON & SON LTD*	4726 BANK ST GLOUCESTER K1T 3W7			January 2010	Retail Fuel Outlet	FS GASOLINE STATION - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	15000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel
Active	25000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	4500	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	50000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-9	W.O. STINSON & SONS LTD	4726 BANK ST GLOUCESTER K1T 3W7	9/27/2002	Licensed	August 2007	Retail Fuel Outlet	Gasoline Station - Card/Keylock

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	50000	1998		Liquid Fuel Double Wall UST - Gasoline
Active	25000	1998		Liquid Fuel Double Wall UST - Gasoline
Active	25000	1998		Liquid Fuel Double Wall UST - Gasoline
Active	50000	1998		Liquid Fuel Double Wall UST - Diesel
Active	25000	1998		Liquid Fuel Double Wall UST - Diesel

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-10	W O STINSON & SON LTD*	4726 BANK ST GLOUCESTER K1T 3W7			June 2011	Retail Fuel Outlet	FS GASOLINE STATION - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	50000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel
Active	25000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	25000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	4500	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	15000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel
Active	25000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-11	W O STINSON & SON LTD*	4726 BANK ST GLOUCESTER K1T 3W7			June 2010	Retail Fuel Outlet	FS GASOLINE STATION - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	15000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel
Active	25000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	4500	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	50000	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-12	W O STINSON & SONS LTD	4726 BANK ST GLOUCESTER K1T 3W7			June 2010	Retail Fuel Outlet	FS GASOLINE STATION - CARD/KEYLOCK

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	25000	1998	Fiberglass	Liquid Fuel Double Wall UST - Diesel
Active	25000	1998	Fiberglass	Liquid Fuel Double Wall UST - Gasoline
Active	50000	1998	Fiberglass	Liquid Fuel Double Wall UST - Diesel
Active	50000	1998	Fiberglass	Liquid Fuel Double Wall UST - Gasoline

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-13	W O STINSON & SONS LTD	4726 BANK ST GLOUCESTER K1T 3W7	9/27/2002	Licensed	December 2008	Retail Fuel Outlet	Gasoline Station - Card/Keylock

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	50000	1998		Liquid Fuel Double Wall UST - Gasoline
Active	25000	1998		Liquid Fuel Double Wall UST - Gasoline
Active	25000	1998		Liquid Fuel Double Wall UST - Gasoline
Active	50000	1998		Liquid Fuel Double Wall UST - Diesel
Active	25000	1998		Liquid Fuel Double Wall UST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-14	W O STINSON & SON LTD*	4727 BANK ST GLOUCESTER K1T 3W7			June 2010	Retail Fuel Outlet	FS GASOLINE STATION - FULL SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	4500	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Other
Active	25000	1999	Fiberglass	Liquid Fuel Double Wall UST - Diesel
Active	25000	1999	Fiberglass	Liquid Fuel Double Wall UST - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-15	W O STINSON & SON LTD*	4727 BANK ST GLOUCESTER K1T 3W7			January 2010	Retail Fuel Outlet	FS GASOLINE STATION - FULL SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	4500	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Other
Active	25000	1999	Fiberglass	Liquid Fuel Double Wall UST - Diesel
Active	25000	1999	Fiberglass	Liquid Fuel Double Wall UST - Gasoline

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-16	W O STINSON & SON LTD*	4727 BANK ST GLOUCESTER K1T 3W7	9/3/2002	Licensed	December 2008	Retail Fuel Outlet	Gasoline Station - Full Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	25000	1999		Liquid Fuel Double Wall UST - Gasoline
Active	25000	1999		Liquid Fuel Double Wall UST - Gasoline
Active	25000	1999		Liquid Fuel Double Wall UST - Diesel
Active	25000	1999		Tank UST and Piping System (Conversion Only) - Diesel
Active	50000	1999		Tank UST and Piping System (Conversion Only) - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-17	W O STINSON & SON LTD*	4727 BANK ST GLOUCESTER K1T 3W7	9/3/2002	Licensed	August 2007	Retail Fuel Outlet	Gasoline Station - Full Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Removed	25000	1981		Liquid Fuel Single Wall UST - Gasoline
Removed	25000	1981		Liquid Fuel Single Wall UST - Gasoline
Removed	25000	1981		Liquid Fuel Single Wall UST - Gasoline
Removed	50000	1981		Liquid Fuel Single Wall UST - Diesel
Removed	15000	1981		Liquid Fuel Single Wall UST - Diesel
Removed	4500	1981		Liquid Fuel Single Wall UST - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-18	W O STINSON & SON LTD*	4727 BANK ST GLOUCESTER K1T 3W7			June 2011	Retail Fuel Outlet	FS GASOLINE STATION - FULL SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	4500	1981	Sacrificial anode	Liquid Fuel Single Wall UST - Other
Active	25000	1999	Fiberglass	Liquid Fuel Double Wall UST - Gasoline
Active	25000	1999	Fiberglass	Liquid Fuel Double Wall UST - Diesel
Active	25000	1999	Fiberglass	Liquid Fuel Double Wall UST - Gasoline

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-19	TP CRAWFORD LTD	4549 SOUTH CREEK PL GLOUCESTER	6/4/1990	Licensed	August 2007	Private Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	9000	1976		Liquid Fuel Single Wall UST - Gasoline

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-20	TP CRAWFORD LTD	4549 SOUTH CREEK PL GLOUCESTER	6/4/1990	Licensed	December 2008	Private Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	9000	1976		Liquid Fuel Single Wall UST - Gasoline

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	CITY OF OTTAWA	3202 LEITRIM ROAD GLOUCESTER K1T 3T6	913910	Other Local Municipal and Regional Public Administration	221	LIGHT FUELS
			Generator #:	ON2608614		
			Approval Yrs:	05		
GEN-2	CITY OF OTTAWA	3202 LEITRIM RD OTTAWA K1T 3Z4	561210	Facilities Support Services	251	OIL SKIMMINGS & SLUDGES
			Generator #:	ON4776043		
			Approval Yrs:	07,08		
GEN-3	CITY OF OTTAWA PROGRAM PROPERTIES	3202 LEITRIM RD OTTAWA K1T 3Z4			251	Waste oils/sludges (petroleum based)
			Generator #:	ON4776043		
			Approval Yrs:	As of Oct 2010		
GEN-4	GLOUCESTER, CORP. OF THE CITY OF 17-350	4550 BANK STREET C/O 1400 BLAIR PLACE BOX 8333 GLOUCESTER K1G 3V5	8364	REC./CULTURE ADMIN.	213	PETROLEUM DISTILLATES
			Generator #:	ON0088602	221	LIGHT FUELS
			Approval Yrs:	92,93,94,95,96,97	241	HALOGENATED SOLVENTS
					251	OIL SKIMMINGS & SLUDGES
					252	WASTE OILS & LUBRICANTS
GEN-5	GLOUCESTER, CORPORATION OF THE CITY OF	4550 BANK STREET GLOUCESTER K1G 3V5	8364	REC./CULTURE ADMIN.	213	PETROLEUM DISTILLATES
			Generator #:	ON0088602	221	LIGHT FUELS
			Approval Yrs:	98	241	HALOGENATED SOLVENTS
					251	OIL SKIMMINGS & SLUDGES
					252	WASTE OILS & LUBRICANTS
GEN-6	PHARMACON RESEARCH INC.	4550A BANK STREET GLOUCESTER K1T 3W6	3741	PHARM./MEDICAL IND.	148	INORGANIC LABORATORY CHEMICALS
			Generator #:	ON2505400	211	AROMATIC SOLVENTS
			Approval Yrs:	99,00,01,02,03,04	212	ALIPHATIC SOLVENTS
					241	HALOGENATED SOLVENTS
					252	WASTE OILS & LUBRICANTS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-7	CITY OF OTTAWA	3280 LEITRIM RD OTTAWA K1T 3Z4	561210	Facilities Support Services	251	OIL SKIMMINGS & SLUDGES
			Generator #:	ON7058131		
			Approval Yrs:	07,08		
GEN-8	CITY OF OTTAWA PROGRAM PROPERTIES	3280 LEITRIM RD OTTAWA K1T 3Z4			251	Waste oils/sludges (petroleum based)
			Generator #:	ON7058131		
			Approval Yrs:	As of Oct 2010		
GEN-9	Hydro Ottawa Ltd.	4565 BANK STREET GLOUCESTER K1T 3W6			112	Acid solutions - containing heavy metals
			Generator #:	ON0483800	121	Alkaline slutions - containing heavy metals
			Approval Yrs:	As of Oct 2010	145	Wastes from the use of pigments, coatings and paints
					146	Other specified inorganic sludges, slurries or solids
					212	Aliphatic solvents and residues
					213	Petroleum distillates
					221	Light fuels
					251	Waste oils/sludges (petroleum based)
					252	Waste crankcase oils and lubricants
					331	Waste compressed gases including cylinders

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-10	Hydro Ottawa Ltd.	4565 BANK STREET GLOUCESTER K1G 4C1			121	ALKALINE WASTES - HEAVY METALS
			Generator #:	ON0483800	122	ALKALINE WASTES - OTHER METALS
			Approval Yrs:	02,03,04,05,06,07,08	212	ALIPHATIC SOLVENTS
					264	PHOTOPROCESSING WASTES
					331	WASTE COMPRESSED GASES
					112	ACID WASTE - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
					145	PAINT/PIGMENT/COATING RESIDUES
					221	LIGHT FUELS
					243	PCB'S
					251	OIL SKIMMINGS & SLUDGES
GEN-11	GLOUCESTER HYDRO	P.O. BOX 9800 4565 BANK STREET GLOUCESTER K1T 3W6	4911	ELECT. POWER SYS.	122	ALKALINE WASTES - OTHER METALS
			Generator #:	ON0483800	221	LIGHT FUELS
			Approval Yrs:	86,87,88,89	251	OIL SKIMMINGS & SLUDGES
					264	PHOTOPROCESSING WASTES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-12	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1G 4C1	4911	ELECT. POWER SYS.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0483800	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	98,99,00,01	122	ALKALINE WASTES - OTHER METALS
					145	PAINT/PIGMENT/COATING RESIDUES
					146	OTHER SPECIFIED INORGANICS
					213	PETROLEUM DISTILLATES
					221	LIGHT FUELS
					243	PCB'S
					251	OIL SKIMMINGS & SLUDGES
					264	PHOTOPROCESSING WASTES
					331	WASTE COMPRESSED GASES
GEN-13	GLOUCESTER HYDRO 17-066	4565 BANK STREET GLOUCESTER K1G 4C1	4911	ELECT. POWER SYS.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0483800	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	92,93,94,95,96,97	122	ALKALINE WASTES - OTHER METALS
					221	LIGHT FUELS
					243	PCB'S
					251	OIL SKIMMINGS & SLUDGES
					264	PHOTOPROCESSING WASTES
GEN-14	Valley Squire Furniture	4599 Bank St Ottawa K1T 3W8	442298	All Other Home Furnishings Stores	221	LIGHT FUELS
			Generator #:	ON5531328		
			Approval Yrs:	07,08		
GEN-15	HOPE CEMETERY	4660 BANK STREET KINGS HWY 31 GLOUCESTER K1T 3W7			252	Waste crankcase oils and lubricants
			Generator #:	ON2049100		
			Approval Yrs:	As of Oct 2010		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-16	HOPE CEMETERY	4660 BANK STREET GLOUCESTER K1T 3W7	4589	OTHER TRANS. IND.	252	WASTE OILS & LUBRICANTS
			Generator #:	ON2049100		
			Approval Yrs:	95,96,97,98,99,00,01		
GEN-17	HOPE CEMETERY	4660 BANK STREET KING'S HWY 31 GLOUCESTER K1T 3W7			252	WASTE OILS & LUBRICANTS
			Generator #:	ON2049100		
			Approval Yrs:	02,03,04,05,06,07,08		
GEN-18	BRIAN McGUIRE	4695 BANK ST OTTAWA K1V 8S5			221	Light fuels
			Generator #:	ON7704220		
			Approval Yrs:	As of Oct 2010		
GEN-19	MDG DOOR SERVICE LTD.	4700 HIGHWAY 31 GLOUCESTER K1T 3W7	3199	OTHER MACHINERY	252	WASTE OILS & LUBRICANTS
			Generator #:	ON2094700		
			Approval Yrs:	99,00,01		
GEN-20	MDG DOOR SERVICE LTD.	4700 HIGHWAY #31 GLOUCESTER K1T 3W7	3199	OTHER MACHINERY	252	WASTE OILS & LUBRICANTS
			Generator #:	ON2094700		
			Approval Yrs:	95,96,97,98		
GEN-21	W.O. STINSON & SONS LIMITED	4726 BANK STREET GLOUCESTER K1G 3N4	4563	BULK LIQ. TRUCKING	221	LIGHT FUELS
			Generator #:	ON1139501	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	99,00,01,02,03,04,05,06,07 ,08	252	WASTE OILS & LUBRICANTS
GEN-22	W.O. STINSON & SONS LIMITED	4726 BANK STREET GLOUCESTER K1T 3W7			221	Light fuels
			Generator #:	ON1139501	252	Waste crankcase oils and lubricants
			Approval Yrs:	As of Oct 2010		
GEN-23	W.O. STINSON & SONS LTD. 42-540	4726 BANK STREET GLOUCESTER K1G 3N4	4563	BULK LIQ. TRUCKING	221	LIGHT FUELS
			Generator #:	ON1139501	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	92,93,94,95,96,97,98	252	WASTE OILS & LUBRICANTS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-24	Chinook Mobile Heating &	2794 Fenton Road Ottawa K1T 3T7	325999	All Other Miscellaneous Chemical Product Manufacturing	212	ALIPHATIC SOLVENTS
			Generator #:	ON9293420		
			Approval Yrs:	07,08		
GEN-25	HOVEY INDUSTRIES LTD.	2793 FENTON ROAD GLOUCESTER K1T 3T9	3071	HEATING EQUIP. IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON2518700	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	99,00,01,02,03,04	253	EMULSIFIED OILS
GEN-26	HOVEY INDUSTRIES (2005) INC.	2793 FENTON ROAD GLOUCESTER K1T 3T9			212	Aliphatic solvents and residues
			Generator #:	ON2518700	213	Petroleum distillates
			Approval Yrs:	As of Oct 2010	252	Waste crankcase oils and lubricants
					253	Emulsified oils
GEN-27	HOVEY INDUSTRIES (2005) INC.	2793 FENTON ROAD GLOUCESTER K1T 3T9	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	212	ALIPHATIC SOLVENTS
					213	PETROLEUM DISTILLATES
			Generator #:	ON2518700	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	05,06,07,08	253	EMULSIFIED OILS
GEN-28	HealthCraft Products, Inc.	2790 Fenton Road Gloucester K1G 3N3	332710	Machine Shops	113	ACID WASTE - OTHER METALS
			Generator #:	ON9275887	253	EMULSIFIED OILS
			Approval Yrs:	04,06,07,08	213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
GEN-29	HealthCraft Products, Inc.	2790 Fenton Road Gloucester K1T 3T7			113	Acid solutions - containing other metals and non-metals
			Generator #:	ON9275887	213	Petroleum distillates
			Approval Yrs:	As of Oct 2010	252	Waste crankcase oils and lubricants
					253	Emulsified oils

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-30	MILLIMETER ENGINEERING WORKS INC.	2790 FENTON ROAD GLOUCESTER K1G 3N3	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0011400	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	92,93,96,97,98,99,00,01,02 ,03,04	252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
GEN-31	MILLIMETER MACHINE SHOP LTD.	2790 FENTON RD. GLOUCESTER K1T 3T7	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0011400	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	88,89,90		
GEN-32	MILLIMETER MACHINE SHOP LTD. 25-466	2790 FENTON RD. GLOUCESTER K1T 3T7	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0011400	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	94		
GEN-33	MILLIMETER ENGINEERING WORKS INC. 25-466	2790 FENTON ROAD GLOUCESTER K1G 3N3	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0011400	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	95	253	EMULSIFIED OILS
GEN-34	SYNERGY MODELS AND PROTOTYPES INC.	4521A SOUTHCLARK PLACE GLOUCESTER K1T 3V2	3199	OTHER MACHINERY	211	AROMATIC SOLVENTS
			Generator #:	ON2556600	232	POLYMERIC RESINS
			Approval Yrs:	00,01,02,03,04,06	253	EMULSIFIED OILS
					213	PETROLEUM DISTILLATES
					252	WASTE OILS & LUBRICANTS
GEN-35	CAMPAGNA ENGINEERING INCORPORATED	2783 FENTON RD. GLOUCESTER K1T 3T8	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0886800	253	EMULSIFIED OILS
			Approval Yrs:	90		
GEN-36	CAMPAGNA ENGINEERING INCORPORATED	2783 FENTON RD. GLOUCESTER K1T 3T8	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0886800	253	EMULSIFIED OILS
			Approval Yrs:	86,87,88,89		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-37	CAM-TAG INDUSTRIES INCORPORATED	2783 FENTON ROAD GLOUCESTER K1T 3T8	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0886800	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	99,00,01,02,03,04,05,06,07 ,08	253	EMULSIFIED OILS
GEN-38	CAM-TAG INDUSTRIES INCORPORATED	2783 FENTON ROAD GLOUCESTER K1T 3T8			213	Petroleum distillates
			Generator #:	ON0886800	253	Emulsified oils
			Approval Yrs:	As of Oct 2010		
GEN-39	CAM-TAG INDUSTRIES INC. 07-107	2783 FENTON ROAD GLOUCESTER K1T 3T8	3081	MACHINE SHOP IND.	213	PETROLEUM DISTILLATES
			Generator #:	ON0886800	253	EMULSIFIED OILS
			Approval Yrs:	92,93,94,95,96,97,98		
GEN-40	AXLE AUTOMOTIVE INC.	4543 Southclarke Place Unit 3 GLOUCESTER			213	PETROLEUM DISTILLATES
			Generator #:	ON2126800		
			Approval Yrs:	03,04		
GEN-41	RELIABLE PLATING LTD.	4543 SOUTH CLARK PLACE, BAY 2 GLOUCESTER K1T 3V2	3041	COATING OF METAL PR.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON1385900	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	01,02,03,04,05,06,07,08	122	ALKALINE WASTES - OTHER METALS
					148	INORGANIC LABORATORY CHEMICALS
GEN-42	AXLE AUTOMOTIVE INC.	4543 SOUTHCLARK PLACE, UNIT 3 GLOUCESTER K1G 3N3	6399	OTHER VEH. SERVICES	213	PETROLEUM DISTILLATES
			Generator #:	ON2126800		
			Approval Yrs:	99,00,01		
GEN-43	AXLE AUTOMOTIVE	4543 SOUTHCLARK PLACE, UNIT 3 GLOUCESTER K1G 3N3	6399	OTHER VEH. SERVICES	213	PETROLEUM DISTILLATES
			Generator #:	ON2126800		
			Approval Yrs:	96,97,98		
GEN-44	122558 CANADA LTD. 43-403	4543 SOUTH CLARK PL. BAY 2 GLOUCESTER K1T 3V2	3041	COATING OF METAL PR.	121	ALKALINE WASTES - HEAVY METALS
			Generator #:	ON1385900		
			Approval Yrs:	92,93,94,95,96,97		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-45	122558 CANADA LTD.	4543 SOUTH CLARK PL. BAY 2 GLOUCESTER K1T 3V2	3041	COATING OF METAL PR.	121	ALKALINE WASTES - HEAVY METALS
			Generator #:	ON1385900		
			Approval Yrs:	90		
GEN-46	RELIABLE PLATING	4543 SOUTH CLARK PLACE, BAY 2 GLOUCESTER K1G 3N3	3041	COATING OF METAL PR.	121	ALKALINE WASTES - HEAVY METALS
			Generator #:	ON1385900		
			Approval Yrs:	98,99,00		
GEN-47	RELIABLE PLATING LTD.	4543 SOUTH CLARK PLACE, BAY 2 GLOUCESTER K1T 3V2			112	Acid solutions - containing heavy metals
			Generator #:	ON1385900	122	Alkaline slutions - containing other metals and non-metals (not cyanide)
			Approval Yrs:	As of Oct 2010		
GEN-48	VISSER MANUFACTURING LTD.	4534 SOUTHCLARK PLACE OTTAWA K1T 3V1			145	Wastes from the use of pigments, coatings and paints
			Generator #:	ON7610779		
			Approval Yrs:	As of Oct 2010		
GEN-49	VISSER MANUFACTURING LTD.	4534 SOUTHCLARK PLACE OTTAWA K1T 3V1	321911	Wood Window and Door Manufacturing	122	ALKALINE WASTES - OTHER METALS
			Generator #:	ON7610779	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	04,05,06,07,08	145	PAINT/PIGMENT/COATING RESIDUES
GEN-50	T P CRAWFORD LIMITED	4549 SOUTH CLARK PLACE GLOUCESTER K1T 3V2			252	Waste crankcase oils and lubricants
			Generator #:	ON3771464		
			Approval Yrs:	As of Oct 2010		
GEN-51	T.P. CRAWFORD LIMITED	4549 SOUTH CLARK PLACE GLOUCESTER K1G 3N3	4236	SHEET METAL & ROOF.	213	PETROLEUM DISTILLATES
			Generator #:	ON0535500	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	99,00,01		
GEN-52	T.P. CRAWFORD LTD. 38-153	4549 SOUTHCLARK PLACE GLOUCESTER K1T 3V2	4236	SHEET METAL & ROOF.	213	PETROLEUM DISTILLATES
			Generator #:	ON0535500	252	WASTE OILS & LUBRICANTS
			Approval Yrs:	92,93,94,95,96,97,98		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-53	T.P. CRAWFORD LTD.	4549 SOUTHCLARK PLACE GLOUCESTER K1T 3V2	0007	LETTER ACKNOWLEDG.		
			Generator #:	ON0535500		
			Approval Yrs:	86,87,88,89		
GEN-54	Godfrey Roofing Inc.	4542 Southclark Place Ottawa K1T 3V1			252	Waste crankcase oils and lubricants
			Generator #:	ON3382142		
			Approval Yrs:	As of Oct 2010		
GEN-55	Godfrey Roofing Inc.	4542 Southclark Place Ottawa K1T 3V1			252	WASTE OILS & LUBRICANTS
			Generator #:	ON3382142		
			Approval Yrs:	02,03,04,05,06		
n/a	GLOUCESTER, CITY OF	LEITRIM ROAD P.O. BOX 8333 GLOUCESTER	0000	*** NOT DEFINED ***		
			Generator #:	ON0088601		
			Approval Yrs:	88,89,92,93,94		
n/a	TRANSPORT CANADA - AKPP	GLOUCESTER LANDFILL WASTE SITE LEITRIM ROAD GLOUCESTER K1V 9B5	8159	OTHER GEN. ADMIN.	148	INORGANIC LABORATORY CHEMICALS
			Generator #:	ON0175146		
			Approval Yrs:	97,98,99,00,01		
n/a	Hydro Ottawa Ltd.	Bank St Ottawa				
			Generator #:	ON8798860		
			Approval Yrs:	03,04		

Mineral Occurrences

Map Key	Company	Address	Easting	Northing	Zone	MDI No	Deposit Status
MNR-1	LEITRIM		452427.296	5019472.939	18	MDI31G05NE00037	DISCRETIONARY OCCURRENCE

Mining Division: SOUTHERN ONTARIO
Geological District: SOUTHEASTERN ONTARIO
Claim Map: N/A
Access Description: N/A

Year	Name	Twp/Area	Con/Lot/Sec	Commodity	Deposit Characteristic
1993	LEITRIM	GLOUCESTE	LOT: 16 CON: 5	SHALE (CRUSHED STONE)	
1993	LEITRIM	GLOUCESTE	LOT: 15 CON: 4	SHALE (CRUSHED STONE)	

National Environmental Emergencies System (NEES)

Map Key	Company	Address	Incident Date	Contaminant
n/a	STINSON FUELS	OTTAWA CITY	2/16/89	GASOLINE

Amount:	0
Units:	Above Ground Tank Leak
Quantity:	
Cause:	Damage by Equipment
Source:	Other Storage Facilities
Reason:	
Sector:	Transportation

National PCB Inventory

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-1	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1T 3W6	F1482	1/29/1996			

Label	No. of Items	Contents	Serial No.	Item/State	Status	PCB Type/Code	Location	Manufacturer

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-2	HYDRO OTTAWA	4565 BANK STREET GLOUCESTER K1T 3W6	O005066			UTILITY	

Label	No. of Items	Contents	Serial No.	Item/State	Status	PCB Type/Code	Location	Manufacturer

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-3	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1T 3W6	F1326			UNDEFINED	

Label	No. of Items	Contents	Serial No.	Item/State	Status	PCB Type/Code	Location	Manufacturer

Inventory of PCB Storage Sites

Map Key	Company	Address	Year	Site Number	Quantity	Description
OPCB-1	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1T 3W6	1999	40288A228		
OPCB-2	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1T 3W6	2000	40288A228		
OPCB-3	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1T 3W6	1995	40288A228	77.00	Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg
					5.00	Number of Drums of Ballasts with High Level PCBs (>1000 ppm)
					1000.00	Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg
					2.00	Number of Capacitors with High Level PCBs (>1000 ppm)
					2.00	Number of Drums of Soil with High Level PCBs (>1000 ppm)
					800.00	Weight of Drums of Soil with High Level PCBs (>1000 ppm) kg
					5.00	Number of Drums of Other Material with High Level PCBs (>1000 ppm)
					750.00	Weight of Drums of Other Material with High Level PCBs (>1000 ppm) kg
					2761.00	Weight of Bulk Liquid with Low Level PCBs (< 1000 ppm) kg
OPCB-4	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1T 3W6	2003	40288A228	4.00	Number of Transformers with Low Level PCBs (< 1000 ppm) kg

Inventory of PCB Storage Sites

Map Key	Company	Address	Year	Site Number	Quantity	Description
OPCB-5	GLOUCESTER HYDRO	4565 BANK STREET GLOUCESTER K1T 3W6	1998	40288A228	1000.00	Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)
					2.00	Number of Capacitors with High Level PCBs (>1000 ppm)
					2.00	Number of Drums of Soil with High Level PCBs (>1000 ppm)
					800.00	Calculated Weight (Kg) of Drums of Soil with High Level PCBs (>1000 ppm)
					6.00	Number of Drums of Other Material with High Level PCBs (>1000 ppm)
					900.00	Calculated Weight (Kg) of Drums of Other Material with High Level PCBs (>1000 ppm) kg
					59.00	Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg
					5.00	Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Pesticide Register

Map Key	Company	Address	Licence No.	Licence Type
PES-1	KNIPPEL PETER NURSERY INC.	4590 BANK ST., R.R. #6 GLOUCESTER K1T 3W6		Vendor
PES-2	KNIPPEL PETER NURSERY INC	4590 BANK ST GLOUCESTER K1T 3W6		Vendor
PES-3	KNIPPEL PETER NURSERY INC	4590 BANK ST GLOUCESTER K1T 3W6	23-01-08142-0	Limited Vendor
n/a	OTTAWA FEED & HARDWARE INC. (V95023-03/2005)	4836 KING'S HWY 31 GOUCESTER K1X 1G6	22-01-03950-0	General Vendor

Private and Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Type	Expiry Date	Capacity (L)	Licence #
PRT-1	CORP OF THE CITY OF GLOUCESTER	4550 BANK ST GLOUCESTER K1T 3W6	5272	private		68190.00	0001004673
PRT-2		4727 BANK ST. GLOUCESTER	5267	retail			
PRT-3	W O STINSON & SON LTD	4727 BANK ST HWY 31 LEITRIM K1T 3W7	7618	retail	1995-07-31	0	0050465001
PRT-4	W O STINSON & SON LTD	4727 BANK ST HWY 31 LEITRIM K1T 3W7	7618	private		190000.00	0001016854
PRT-5	W O STINSON & SON LTD	4727 BANK ST HWY 31 LEITRIM	7618	retail	1995-07-31	2000	0033092001
PRT-6	TP CRAWFORD LTD	4549 SOUTH CREEK PL GLOUCESTER	5319	private		9000.00	0001009261
n/a	W O STINSON & SON LTD	PRT LOT 17 CON 4 RIDEAU FRONT GLOUCESTER	5313	retail	1995-10-31	10999	0053755001
n/a	NAZIMA MEDEWAR	HWY 31 OTTAWA	11082	retail	1996-03-31	36368	0016234001

Retail Fuel Storage Tanks

Map Key	Company	Address	Facility	Description
RST-1	STINSON W O & SON LTD	4726 BANK ST GLOUCESTER K1T 3W7	PROPANE GAS-SALES & SERVICE	
n/a	CAPITAL CITY GAS	HIGHWAY 31 GLOUCESTER K1G 3N4	SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS	
n/a	DRUMMOND'S GAS	HIGHWAY 31 GLOUCESTER K1B 3B8	SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS	

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-1	Hovey Industries Ltd.	2794 Fenton Rd Gloucester K1T 3T7	1979	60000		332319	Other Plate Work and Fabricated Structural Product Manufacturing
						332329	Other Ornamental and Architectural Metal Product Manufacturing
						336510	Railroad Rolling Stock Manufacturing
SCT-2	Hovey Industries Ltd.	2794 Fenton Rd Ottawa K1T 3T7	1979	60000	62		
SCT-3	Hovey Industries (2005) Inc.	2793 Fenton Rd Gloucester K1T 3T9	01-AUG-79	60000		332329	Other Ornamental and Architectural Metal Product Manufacturing
						336510	Railroad Rolling Stock Manufacturing
						332319	Other Plate Work and Fabricated Structural Product Manufacturing
SCT-4	Healthcraft Products Inc.	2790 Fenton Rd Gloucester K1T 3T7	01-AUG-94	25000		339110	Medical Equipment and Supplies Manufacturing
						339110	Medical Equipment and Supplies Manufacturing
SCT-5	Millimeter Engineering Works Inc.	2790 Fenton Rd Gloucester K1T 3T7	1966	20000	32		
SCT-6	MILLIMETER ENGINEERING WORKS	2790 FENTON RD GLOUCESTER K1T 3T7	1966	20000	36	3599	INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED
						332710	Machine Shops
SCT-7	HAWLEY SIGNS & GRAPHICS LTD.	4521 SOUTHCLARK PL OTTAWA K1T 3V2	1970	3200	4	339950	Sign Manufacturing
						418990	All Other Wholesaler-Distributors

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-8	AIRTITE PNEUMATICS & CONTROLS	4521A SOUTHCLARK PLACE GLOUCESTER K1T 3V2	1996	0	8	333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing
						333990	All Other General-Purpose Machinery Manufacturing
						417230	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
SCT-9	Presentey Engineering Products	2784 Fenton Rd Gloucester K1T 3T7	01-SEP-58	6000		417230	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
						417910	Office and Store Machinery and Equipment Wholesaler-Distributors
						417230	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
						417320	Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors
						416110	Electrical Wiring and Construction Supplies Wholesaler-Distributors
						417930	Professional Machinery, Equipment and Supplies Wholesaler-Distributors
						417310	Computer, Computer Peripheral and Pre-Packaged Software Wholesaler-Distributors
SCT-10	Presentey Engineering Products Limited	2784 Fenton Rd RR 5 Gloucester K1T 3T7	1958	6000	15	334410	Semiconductor and Other Electronic Component Manufacturing
SCT-11	Cam-Tag Industries Inc.	2783 Fenton Rd Gloucester K1T 3T8	1966			336410	Aerospace Product and Parts Manufacturing
SCT-12	Cam-Tag Industries Inc.	2783 Fenton Rd Gloucester K1T 3T8	01-AUG-66			336410	Aerospace Product and Parts Manufacturing

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-13	CAM-TAG INDUSTRIES	2783 FENTON RD GLOUCESTER K1T 3T8	1966	18000	35	3599 3761	INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED GUIDED MISSILES AND SPACE VEHICLES
SCT-14	RELIABLE PLATING & FINISHING	4543 SOUTHCLARK PL UNIT 2 OTTAWA K1T 3V2	1993	1600	4	332810	Coating, Engraving, Heat Treating and Allied Activities
SCT-15	Reliable Plating & Surface	4543 Southclark Pl Unit 2 Gloucester K1T 3V2	7/1/1983	1600		332810 332810	Coating, Engraving, Heat Treating and Allied Activities Coating, Engraving, Heat Treating and Allied Activities
SCT-16	T P CRAWFORD LTD	4549 SOUTHCLARK PL GLOUCESTER K1T 3V2	1947	12000	100	3444	SHEET METAL WORK
SCT-17	T.P. Crawford Ltd.	4549 Southclark Pl Gloucester K1T 3V2	01-AUG-47	12000		332329 332329	Other Ornamental and Architectural Metal Product Manufacturing Other Ornamental and Architectural Metal Product Manufacturing
n/a	LEITRIM SUPPLY	4747 Banks St Gloucester K1G 3N4	1985	0	0	336212 336390	Truck Trailer Manufacturing Other Motor Vehicle Parts Manufacturing

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-1	B & M CARRIERS	GLOUCESTER CITY WORKS YARD CORNER OF LIETRIN RD. & BANK ST. MOTOR VEHICLE (OPERATING FLUID) GLOUCESTER CITY	90348	8/25/1993	8/25/1993		
			Incident Summary:	B & M CARRIERS - 150L HYDRAULIC OIL TO LAND: BLOWN HYDRAULIC LINE			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
SPL-2	PRIVATE RESIDENCE	AT RESIDENCE BESIDE 4727 BANK ST. FURNACE OIL TANK GLOUCESTER CITY K1T 3W7	98228	4/6/1994	4/6/1994		
			Incident Summary:	RESIDENCE - UNKNOWN AMOUNT OF FURNACE OIL TO GROUND FROM TANK.			
			Incident Cause:	UNDERGROUND TANK LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	CONFIRMED			
SPL-3	APEX TRANSPORT	4542 SOUTH CLARK PLACE TRANSPORT TRUCK (CARGO) GLOUCESTER CITY K1T 3V1	126063	5/8/1996	5/8/1996		
			Incident Summary:	APEX EXPRESS-UNK QTY DE- SIZING AGENT TO TRAILER THEN TO GROUND. CLEANING			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	CONFIRMED			
n/a	ONTARIO HYDRO	BANK ST TRANSFORMER GLOUCESTER CITY	19785	7/9/1988	7/11/1988		
			Incident Summary:	BACKENTRY - ONTARIO HYDROTRANSFORMER OIL (AMT U/K)ON GROUND			
			Incident Cause:	COOLING SYSTEM LEAK			
			Incident Reason:	OTHER			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
n/a	PIONEER PETROLEUMS LTD.	BANK STREET SOUTH PIONEER GAS STATION. SERVICE STATION OTTAWA CITY	137358	2/20/1997	2/20/1997		
			Incident Summary:	PIONEER PETROLEUMS-4L GASOLINE TO GROUND,UNSAFESPILL RESPONSE BY STAFF.			
			Incident Cause:	CONTAINER OVERFLOW			
			Incident Reason:	ERROR			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	ESSO PETROLEUM CANADA	BANK STREET SERVICE STATION OTTAWA CITY	147934	10/16/1997	10/16/1997		
			Incident Summary:	ESSO SERVICE STATION: 40 L GASOLINE TO GROUND			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	DAMAGE BY MOVING EQUIPMENT			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
n/a	OC TRANSPO	BANK ST. SOUTH MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY	223917	4/11/2002	4/11/2002		
			Incident Summary:	SPILL OF DIESEL FUEL TO GRND, CLEAN UP CREW ON THE WAY			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
n/a		Bank Street<UNOFFICIAL> Ottawa	7704-79XNCK		12/16/2007	OIL (PETROLEUM BASED, NOT SPECIFIED)	200 L
			Incident Summary:	Bank Street - contaminated soil			
			Incident Cause:	Unknown			
			Incident Reason:	Spill			
			Nature of Impact:	Soil Contamination			
			Receiving Medium:	Land			
			Environmental Impact:	Confirmed			

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1		lot 15 con 4	1502160	015	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452290.7
Northing Nad83: 5019492
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/2/1953
Primary Water Use: Livestock
Secondary Water Use:
Well Depth: 91 ft
Pump Rate: 1 GPM
Static Water Level: 4 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 98.048339
Elevation Reliability:
Depth to Bedrock: 13
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE,

Thickness	Original Depth	Material Colour	Material
13 ft	13 ft		TOPSOIL, BOULDERS
27 ft	40 ft	GREY	LIMESTONE
1 ft	41 ft	BLUE	LIMESTONE
50 ft	91 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-2		lot 15 con 4	1502158	015	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452760.7
Northing Nad83: 5019742
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 12/18/1947
Primary Water Use: Livestock
Secondary Water Use: Domestic
Well Depth: 86 ft
Pump Rate: 8 GPM
Static Water Level: 18 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 99.802612
Elevation Reliability:
Depth to Bedrock: 35
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
3 ft	3 ft	BLACK	TOPSOIL
19 ft	22 ft	BLUE	CLAY
13 ft	35 ft	GREY	FINE SAND
51 ft	86 ft		SLATE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		lot 16 con 4	1510116	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452310.7
Northing Nad83: 5019437
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 5/2/1969
Primary Water Use: Municipal
Secondary Water Use:
Well Depth: 320 ft
Pump Rate: 120 GPM
Static Water Level: -1 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): Y
Elevation (m): 97.805267
Elevation Reliability:
Depth to Bedrock: 8
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE,

Thickness	Original Depth	Material Colour	Material
8 ft	8 ft	GREY	CLAY, BOULDERS
197 ft	205 ft	GREY	LIMESTONE
115 ft	320 ft	GREY	SANDSTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-4		lot 15 con 4	1502159	015	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452790.7
Northing Nad83: 5019762
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 5/22/1953
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 100 ft
Pump Rate: 2 GPM
Static Water Level: 12 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 99.113632
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
21 ft	21 ft		SHALE, GRAVEL
79 ft	100 ft	BLACK	SHALE, ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5		lot 16 con 4	1502166	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452830.7
Northing Nad83: 5019722
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 3/12/1962
Primary Water Use: Municipal
Secondary Water Use:
Well Depth: 120 ft
Pump Rate: 2 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Diamond
Flowing (y/n): N
Elevation (m): 102.188331
Elevation Reliability:
Depth to Bedrock: 26
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
26 ft	26 ft		CLAY
94 ft	120 ft	BLACK	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-6		lot 16 con 4	1502165	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452870.7
Northing Nad83: 5019752
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 3/9/1962
Primary Water Use:
Secondary Water Use:
Well Depth: 200 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Supply
Construction Method: Diamond
Flowing (y/n):
Elevation (m): 102.743774
Elevation Reliability:
Depth to Bedrock: 26
Overburden/Bedrock: Bedrock
Water Type:
Casing Material:

Thickness	Original Depth	Material Colour	Material
26 ft	26 ft		CLAY
174 ft	200 ft	BLACK	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-7		lot 16 con 4	1514499	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452290.7
Northing Nad83: 5019346
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 3/27/1974
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 55 ft
Pump Rate: 40 GPM
Static Water Level: 5 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m): 97.349716
Elevation Reliability:
Depth to Bedrock: 8
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
8 ft	8 ft	GREY	HARDPAN
9 ft	17 ft	BROWN	SHALE
38 ft	55 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-8		lot 16 con 4	1512247	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452130.7
Northing Nad83: 5019332
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 12/5/1972
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 258 ft
Pump Rate: 6 GPM
Static Water Level: 4 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m): 97.836029
Elevation Reliability:
Depth to Bedrock: 11
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
11 ft	11 ft	BROWN	CLAY, SAND, STONES
237 ft	248 ft	GREY	LIMESTONE, SHALE
10 ft	258 ft	GREY	SANDSTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-9		lot 16 con 4	1514660	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452227.7
Northing Nad83: 5019302
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 5/8/1975
Primary Water Use: Industrial
Secondary Water Use:
Well Depth: 70 ft
Pump Rate: 15 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m): 96.860023
Elevation Reliability:
Depth to Bedrock: 13
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
13 ft	13 ft	BROWN	FILL, CLAY
57 ft	70 ft	GREY	LIMESTONE, SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-10		lot 16 con 4	1502162	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452880.7
Northing Nad83: 5019612
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 4/10/1957
Primary Water Use: Livestock
Secondary Water Use: Domestic
Well Depth: 80 ft
Pump Rate: 4 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 101.721893
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
42 ft	42 ft		ROCK, SHALE, TOPSOIL
38 ft	80 ft		ROCK, SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-11		lot 16 con 4	1502167	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452930.7
Northing Nad83: 5019692
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 9/9/1962
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 40 ft
Pump Rate: 15 GPM
Static Water Level: 15 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 104.519042
Elevation Reliability:
Depth to Bedrock: 32
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
32 ft	32 ft		CLAY
8 ft	40 ft		SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-12		lot 16 con 4	1502164	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452950.7
Northing Nad83: 5019752
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/6/1961
Primary Water Use: Municipal
Secondary Water Use:
Well Depth: 32 ft
Pump Rate: 20 GPM
Static Water Level: 15 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Diamond
Flowing (y/n): N
Elevation (m): 103.765518
Elevation Reliability:
Depth to Bedrock: 30
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
4 ft	4 ft		CLAY
26 ft	30 ft		MEDIUM SAND
2 ft	32 ft	BLACK	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-13		lot 16 con 4	1502169	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452120.7
Northing Nad83: 5019312
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 5/12/1964
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 67 ft
Pump Rate: 10 GPM
Static Water Level: 12 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 97.660247
Elevation Reliability:
Depth to Bedrock: 12
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
12 ft	12 ft		CLAY, MEDIUM SAND, BOULDERS
55 ft	67 ft		LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-14		lot 16 con 4	1502163	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452970.7
Northing Nad83: 5019792
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/5/1961
Primary Water Use: Municipal
Secondary Water Use:
Well Depth: 240 ft
Pump Rate: 0 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Diamond
Flowing (y/n): N
Elevation (m): 103.863746
Elevation Reliability:
Depth to Bedrock: 38
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
3 ft	3 ft	BLUE	CLAY
35 ft	38 ft		FINE SAND
202 ft	240 ft	BLACK	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-15		lot 16 con 4	1502168	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452080.7
Northing Nad83: 5019312
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 5/28/1963
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 70 ft
Pump Rate: 10 GPM
Static Water Level: 8 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 97.616966
Elevation Reliability:
Depth to Bedrock: 12
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
12 ft	12 ft		HARDPAN, BOULDERS
58 ft	70 ft	BLUE	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-16		lot 16 con 4	1512275	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452090.7
Northing Nad83: 5019302
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 10/18/1972
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 60 ft
Pump Rate: 5 GPM
Static Water Level: 15 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m): 97.531402
Elevation Reliability:
Depth to Bedrock: 5
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft		SAND
55 ft	60 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-17		lot 15 con 5 GLOUCESTER	7126021	015	05	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452970
Northing Nad83: 5019733
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 1/8/2008
Primary Water Use: Monitoring
Secondary Water Use:
Well Depth: 4.8 m
Pump Rate:
Static Water Level: 1.2 m m m m
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: H.S.A.
Flowing (y/n):
Elevation (m): 104.540115
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: PLASTIC, PLASTIC, PLASTIC

Thickness	Original Depth	Material Colour	Material
0.1 m	0.1 m		OTHER
0.6 m	0.7 m	GREY	STONES
0.8 m	1.5 m	GREY	FILL, SAND, SILT
0.8 m	2.3 m	BROWN	SAND, SILTY
0.7 m	3 m	BROWN	TILL, GRAVEL, DENSE
1.8 m	4.8 m	GREY	GRAVEL, SAND, DRY

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-18		OTTAWA	7119814				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 452001
Northing Nad83: 5019292
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 12/12/2008
Primary Water Use:
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method:
Flowing (y/n):
Elevation (m): 96.567535
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-19		lot 16 con 4	1519538	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452929.7
Northing Nad83: 5019521
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 3/1/1985
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 140 ft
Pump Rate: 7 GPM
Static Water Level: 4 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 99.908378
Elevation Reliability:
Depth to Bedrock: 61
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
30 ft	30 ft	GREY	CLAY, SAND, STONES
31 ft	61 ft	GREY	SAND, BOULDERS, LOOSE
3 ft	64 ft	GREY	LIMESTONE, STONES, FRACTURED
26 ft	90 ft	GREY	LIMESTONE, SHALE, LAYERED
50 ft	140 ft	BLACK	SHALE, LIMESTONE, LAYERED

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-20		lot 16 con 5	1502234	016	05	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453040.7
Northing Nad83: 5019882
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 1/8/1952
Primary Water Use: Public
Secondary Water Use:
Well Depth: 191 ft
Pump Rate:
Static Water Level: 18 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 104.233703
Elevation Reliability:
Depth to Bedrock: 8
Overburden/Bedrock: Bedrock
Water Type: SULPHUR
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
8 ft	8 ft	BLUE	CLAY
183 ft	191 ft	BLUE	SLATE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-21		lot 16 con 4	1514163	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 452003.7
Northing Nad83: 5019262
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 5/29/1974
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 60 ft
Pump Rate: 4 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m): 96.041786
Elevation Reliability:
Depth to Bedrock: 10
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
10 ft	10 ft		GRAVEL, BOULDERS
50 ft	60 ft		LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-22		lot 16 con 5	1502238	016	05	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453130.7
Northing Nad83: 5019672
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 2/28/1966
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 62 ft
Pump Rate: 7 GPM
Static Water Level: 4 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 104.953674
Elevation Reliability:
Depth to Bedrock: 19
Overburden/Bedrock: Bedrock
Water Type: SULPHUR
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
11 ft	11 ft		PREVIOUSLY DUG
8 ft	19 ft		MEDIUM SAND
43 ft	62 ft		SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-23		lot 16 con 5	1502237	016	05	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453140.7
Northing Nad83: 5019612
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 7/3/1961
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 105 ft
Pump Rate: 7 GPM
Static Water Level: 3 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 104.87854
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
16 ft	16 ft		ROCK, SHALE, CLAY
89 ft	105 ft	BLACK	ROCK

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-24		lot 17 con 5	1502242	017	05	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453210.7
Northing Nad83: 5019452
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 3/15/1966
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 43 ft
Pump Rate: 5 GPM
Static Water Level: 4 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 104.107398
Elevation Reliability:
Depth to Bedrock: 5
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft		CLAY, BOULDERS
38 ft	43 ft		LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-25		lot 16 con 4	1515625	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451775.7
Northing Nad83: 5019102
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 8/25/1976
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 298 ft
Pump Rate: 2 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m): 95.935409
Elevation Reliability:
Depth to Bedrock: 17
Overburden/Bedrock: Bedrock
Water Type:
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
17 ft	17 ft	BROWN	CLAY, BOULDERS
5 ft	22 ft	BLACK	LIMESTONE, FRACTURED
197 ft	219 ft	BLACK	LIMESTONE, SOFT
79 ft	298 ft	GREY	SANDSTONE, LIMESTONE, HARD

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-26		lot 16 con 4	1515627	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451750.7
Northing Nad83: 5019082
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 9/3/1976
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 148 ft
Pump Rate: 8 GPM
Static Water Level: 25 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m): 96.05101
Elevation Reliability:
Depth to Bedrock: 17
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
4 ft	4 ft	GREY	SAND, CLAY, STONES
13 ft	17 ft	GREY	HARDPAN, BOULDERS
131 ft	148 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-27		lot 17 con 5	1502240	017	05	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453230.7
Northing Nad83: 5019382
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 9/15/1963
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 130 ft
Pump Rate: 4 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 104.027519
Elevation Reliability:
Depth to Bedrock: 15
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
15 ft	15 ft		MUCK
115 ft	130 ft	BROWN	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-28		lot 17 con 5	1502239	017	05	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453250.7
Northing Nad83: 5019342
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 8/19/1962
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 150 ft
Pump Rate: 4 GPM
Static Water Level: 20 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 104.00267
Elevation Reliability:
Depth to Bedrock: 14
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
14 ft	14 ft		CLAY
136 ft	150 ft	BROWN	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-29		lot 17 con 4	1502171	017	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453190.7
Northing Nad83: 5019242
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 7/31/1953
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 229 ft
Pump Rate: 1 GPM
Static Water Level: 14 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 102.459541
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Mixed in a Layer
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
16 ft	16 ft		GRAVEL, SHALE
213 ft	229 ft		ROCK, SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-30		Ottawa	7133780				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 453256
Northing Nad83: 5019298
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 10/29/2009
Primary Water Use: Monitoring
Secondary Water Use:
Well Depth: 16 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method: Direct Push
Flowing (y/n):
Elevation (m): 103.980323
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
8 ft	8 ft	BROWN	CLAY, STONES, DRY
7 ft	15 ft	GREY	CLAY, DENSE
1 ft	16 ft	GREY	CLAY, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-31		lot 16 con 4	1514378	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451689.7
Northing Nad83: 5019005
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 7/26/1974
Primary Water Use: Industrial
Secondary Water Use:
Well Depth: 54 ft
Pump Rate: 25 GPM
Static Water Level: 4 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m): 95.991462
Elevation Reliability:
Depth to Bedrock: 23
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE, STEEL

Thickness	Original Depth	Material Colour	Material
6 ft	6 ft	BROWN	SAND
17 ft	23 ft	GREY	CLAY, STONES
31 ft	54 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-32		lot 17 con 4	1502170	017	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 453210.7
Northing Nad83: 5019202
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 7/24/1953
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 255 ft
Pump Rate: 0 GPM
Static Water Level: 14 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Abandoned-Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 102.807319
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material:

Thickness	Original Depth	Material Colour	Material
16 ft	16 ft		SHALE, TOPSOIL, GRAVEL
239 ft	255 ft	BLACK	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-33		Ottawa	7133796				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 453288
Northing Nad83: 5019310
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 9/29/2009
Primary Water Use: Monitoring
Secondary Water Use:
Well Depth: 11.5 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Direct Push
Flowing (y/n):
Elevation (m): 103.629905
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
4 ft	4 ft	BROWN	SAND, GRAVEL, DENSE
4 ft	8 ft	BROWN	SAND, CLAY, DENSE
3.5 ft	11.5 ft	BROWN	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-34		Ottawa	7133779				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 453276
Northing Nad83: 5019276
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 10/29/2009
Primary Water Use: Monitoring
Secondary Water Use:
Well Depth: 15 m
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method: Direct Push
Flowing (y/n):
Elevation (m): 103.942932
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
8 m	8 m	BROWN	CLAY, ROCK, DRY
7 m	15 m	GREY	CLAY, SILT

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-35		lot 16 con 4	1512385	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451590.7
Northing Nad83: 5019002
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 11/17/1972
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 48 ft
Pump Rate: 20 GPM
Static Water Level: 8 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 95.702987
Elevation Reliability:
Depth to Bedrock: 14
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
14 ft	14 ft	BROWN	SAND, GRAVEL, BOULDERS
34 ft	48 ft	BLACK	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-36		lot 16 con 4	1515428	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451510.7
Northing Nad83: 5018942
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 1/28/1976
Primary Water Use: Industrial
Secondary Water Use:
Well Depth: 37 ft
Pump Rate: 20 GPM
Static Water Level: 4 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m): 96.271789
Elevation Reliability:
Depth to Bedrock: 18
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
18 ft	18 ft	GREY	CLAY
19 ft	37 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-37		lot 16 con 4	1516413	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451629.7
Northing Nad83: 5018821
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 11/25/1977
Primary Water Use: Commerical
Secondary Water Use:
Well Depth: 80 ft
Pump Rate: 30 GPM
Static Water Level: 3 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m): 94.706321
Elevation Reliability:
Depth to Bedrock: 14
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Thickness	Original Depth	Material Colour	Material
14 ft	14 ft	BROWN	SAND, STONES, LOOSE
4 ft	18 ft	GREY	LIMESTONE, SOFT
2 ft	20 ft	WHITE	SANDSTONE
60 ft	80 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-38		lot 16 con 4	1513618	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451685.7
Northing Nad83: 5018762
Zone: 18
Utm Reliability: margin of error : 300 m - 1 km
Construction Date: 11/23/1973
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 48 ft
Pump Rate: 0 GPM
Static Water Level: 6 ft
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m): 95.38758
Elevation Reliability:
Depth to Bedrock: 17
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
2 ft	2 ft	BROWN	FILL, SAND
4 ft	6 ft	BROWN	TOPSOIL
11 ft	17 ft	GREY	CLAY, BOULDERS
31 ft	48 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-39		lot 16 con 4	1513729	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451565.7
Northing Nad83: 5018812
Zone: 18
Utm Reliability: margin of error : 300 m - 1 km
Construction Date: 11/7/1973
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 40 ft
Pump Rate: 33 GPM
Static Water Level: 5 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m): 95.88697
Elevation Reliability:
Depth to Bedrock: 9
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
9 ft	9 ft		CLAY
31 ft	40 ft		LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-40		lot 16 con 4	1513676	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451590.7
Northing Nad83: 5018767
Zone: 18
Utm Reliability: margin of error : 300 m - 1 km
Construction Date: 11/26/1973
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 48 ft
Pump Rate: 0 GPM
Static Water Level: 9 ft
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Rotary (Air)
Flowing (y/n): N
Elevation (m): 95.333564
Elevation Reliability:
Depth to Bedrock: 17
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
2 ft	2 ft	BROWN	FILL, SAND
4 ft	6 ft	BROWN	TOPSOIL
11 ft	17 ft	GREY	CLAY
31 ft	48 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-41		lot 16 con 4	1513593	016	04	RF	OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83: 451500.7
Northing Nad83: 5018682
Zone: 18
Utm Reliability: margin of error : 300 m - 1 km
Construction Date: 10/13/1973
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 150 ft
Pump Rate: 7 GPM
Static Water Level: 2 ft
Flow Rate:
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 96.033523
Elevation Reliability:
Depth to Bedrock: 24
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
24 ft	24 ft	BROWN	SAND, BOULDERS
10 ft	34 ft	BLACK	LIMESTONE, SAND, GRAVEL
36 ft	70 ft	BLACK	LIMESTONE
80 ft	150 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 17	1522714	017			OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 6/9/1988
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 64 ft
Pump Rate: 15 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 26
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
14 ft	14 ft	GREY	CLAY
12 ft	26 ft	GREY	HARDPAN
38 ft	64 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526637	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/19/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 23 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Mixed in a Layer
Water Type: FRESH
Casing Material:

Thickness	Original Depth	Material Colour	Material
3 ft	3 ft	GREY	STONES, CONGLOMERATE, SAND
20 ft	23 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526638	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/19/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 30 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Overburden below Bedrock
Water Type: FRESH
Casing Material: PLASTIC, PLASTIC

Thickness	Original Depth	Material Colour	Material
4 ft	4 ft	GREY	CONGLOMERATE, STONES, SAND
26 ft	30 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526639	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/19/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 27 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC, PLASTIC, PLASTIC

Thickness	Original Depth	Material Colour	Material
4 ft	4 ft	GREY	STONES, FINE SAND, FILL
23 ft	27 ft	GREY	CLAY, SILT, FINE SAND

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526640	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/18/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 35 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
3 ft	3 ft	GREY	STONES, SAND
32 ft	35 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526641	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/17/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 32 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
2 ft	2 ft	GREY	GRAVEL, SAND
30 ft	32 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526642	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/17/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 305 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
2 ft	2 ft	GREY	STONES
303 ft	305 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526643	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/17/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 31 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	STONES
30 ft	31 ft	GREY	CLAY, SILT, GRAVEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526644	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/18/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 28 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
3 ft	3 ft	GREY	STONES, COARSE SAND
25 ft	28 ft	GREY	CLAY, SILT, GRAVEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526645	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/18/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 27 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	STONES
26 ft	27 ft	GREY	CLAY, SILT, GRAVEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526646	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/13/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 31 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	UNKNOWN TYPE, HARD
5 ft	6 ft	BROWN	COARSE SAND, GRAVEL, FILL
19 ft	25 ft	GREY	CLAY, SILT, SAND
6 ft	31 ft	GREY	CLAY, GRAVEL, LOOSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526647	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/14/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 5 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	UNKNOWN TYPE
4 ft	5 ft	BROWN	FINE SAND, FILL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526648	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/13/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 31 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	UNKNOWN TYPE
3 ft	4 ft	GREY	STONES, PACKED, FILL
27 ft	31 ft	GREY	CLAY, FINE SAND, SILT

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526649	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/13/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 33 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	UNKNOWN TYPE
3 ft	4 ft	GREY	STONES, FINE SAND, PACKED
4 ft	8 ft	BROWN	FINE SAND, FILL
25 ft	33 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526650	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/12/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 33 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
1 ft	1 ft	GREY	UNKNOWN TYPE, HARD
1 ft	2 ft	GREY	STONES, PACKED
3 ft	5 ft	BROWN	SAND, GRAVEL, FILL
28 ft	33 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526651	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/20/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 28 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
23 ft	28 ft	GREY	CLAY, SILT, DENSE
5 ft	5 ft	BROWN	GRAVEL, FINE SAND, FILL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526652	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/20/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 30 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft	BROWN	FINE SAND, FILL
25 ft	30 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1526653	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 8/19/1992
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 32 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
6 ft	6 ft	BROWN	FINE SAND, FILL
26 ft	32 ft	GREY	CLAY, SILT, DENSE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1530293	015			OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 9/29/1998
Primary Water Use:
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method:
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1530294	015			OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 9/28/1998
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 180 ft
Pump Rate: 4 GPM
Static Water Level: 50 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Air Precussion
Flowing (y/n): N
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 3
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
3 ft	3 ft		CLAY
177 ft	180 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15	1530391	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 9/10/1998
Primary Water Use:
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Quality
Construction Method: Not Known
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Thickness	Original Depth	Material Colour	Material

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 con 5 OTTAWA	1536366	015	05		OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone:
Utm Reliability: unknown UTM
Construction Date: 8/11/2005
Primary Water Use: Domestic
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Abandoned-Other
Construction Method: Digging
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material: CONCRETE

Thickness	Original Depth	Material Colour	Material

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 Jun 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-Jun 2011** **CA**

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status.

TSSA Commercial Fuel Oil Tanks **1948-Aug 2011** **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 and Coal Tar Sites **April 1987 and November 1988*** **COAL**

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the "Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Compliance and Convictions **1989-Aug 2011** **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-Aug 2011** **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 2011** **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-Oct 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-Nov 2010** **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), 1994-2009** **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-Jun 2011** **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-Mar 2011** **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-Aug 2011** **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-Nov 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 **1990-2009** **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-Jun 2011** **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-Mar 2011** **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-May 2011** **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-Aug 2010** **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 **1993-2009** **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 authoritive. 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-Apr 2011 **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-Jun 2011 **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-Mar 2011 **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.*

DATE: Sept. 1/11

Golder Associates

Street Directory Information

LIBRARY AND ARCHIVES CANADA

Project No. 11-1121-0198

Phase No. _____

Province: ON
City: Ottawa
Street Name: Albion Rd

Address Range: 4084, 4100, 4151

Directory Year	Address No.	Occupant
2008-2009	4100	Residential
	4084, 4151	Not Listed
2002-2003	4100	Restaurant
	4084, 4151	Not Listed
1998-1999	4100	Restaurant
	4084, 4151	Restaurant
1992	4028 (at Lester Rd)	Residential/Commercial
1987	4108	Right Road Printing *
	4084, 4100, 4151	Not Listed
1980		Addresses Not Listed
—	—	No previous record available

DATE: Sept. 1/11

Golder Associates

Street Directory Information

LIBRARY AND ARCHIVES CANADA

Project No. 11-1121-0198

Phase No. _____

Province: ON
City: Ottawa
Street Name: Bank st

Address Range: 4500-4639

Directory Year	Address No.	Occupant
2008-2009	4500-4639	Residential
2002-2003	4500-4639	Residential / Cemetary / Commercial
1998-1999		Addresses Not Listed

Golder Associates

Street Directory Information

LIBRARY AND ARCHIVES CANADA

Project No. 11-1121-0198
Phase No.

Province: ON
City: Ottawa
Street Name: Fenton Rd

Address Range: 2623-2794

Directory Year	Address No.	Occupant
2008-2009	2623-2684	Commercial / Industrial
	2684	Hawley Signs + Graphics *
	2757	Axle (A) Automotive *
	2759	Chem-Dry Canada
2002-2003	2623	Not Listed
	2683	Pryor Metals *
	2684	Hawley Signs & Graphics *
	2684-2794	Commercial / Industrial
1998-1999	2623	Pryor Metals
	2759	B&R Auto Repair *
	2759-2794	Industrial / Commercial
1992		Street Not Listed

MRL 11/05/2011

DATE: Sept 1 /11

Golder Associates

Street Directory Information

LIBRARY AND ARCHIVES CANADA

Project No. 11-1121-0198

Phase No.

Province: ON

City: Ottawa

Street Name: Gilligan Rd

Address Range: 4600

Directory Year	Address No.	Occupant
2008-2009		Address Not Listed
2002-2003		Address Not Listed

MRL 11/05/2011

DATE: Sept. 1/11

Golder Associates

Street Directory Information

LIBRARY AND ARCHIVES CANADA

Project No. 11-1121-0198

Phase No.

Province: ON
City: Ottawa
Street Name: Leitrim Rd.

Address Range: 2440, 2475-2670, 3016-3290

Directory Year	Address No.	Occupant
2008-2009	All listed	Residential/industrial
2002-2003		
	2446	Ashley Auto
	2446-3290	Industrial/Residential
	3149	Midnight Mechanical
1992		Street Not Listed

DATE: Sept 1/11

Golder Associates

Street Directory Information

LIBRARY AND ARCHIVES CANADA

Project No. 11-1121-0198

Phase No. _____

Province: ON

City: Ottawa

Street Name: Quinn Rd

Address Range: 2721 - 2806

Directory Year	Address No.	Occupant
2008 - 2009	2721 - 2806 2790	Residential / Industrial Maximum Cooling + Heating
2002 - 2003	2721 - 2806	Industrial / Residential
1998 - 1999	2721 - 2796 > 2796	Residential / Commercial Addresses Not Listed
1992		Addresses Not Listed

DATE: Sept. 1/11

Golder Associates

Street Directory Information

LIBRARY AND ARCHIVES CANADA

Project No. 11-1121-0198

Province: ON
City: Ottawa
Street Name: South Clark Place

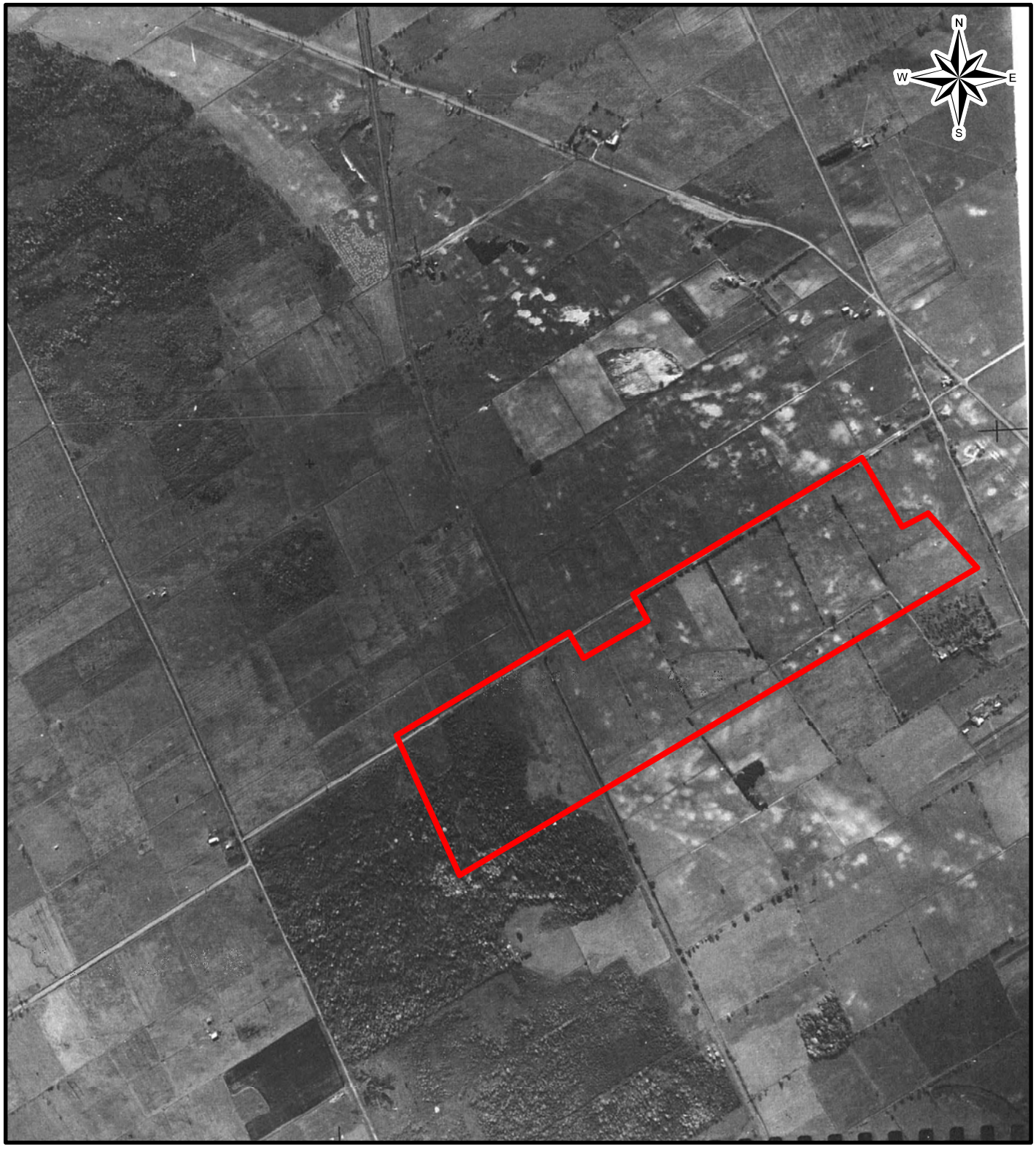
Phase No.

Address Range: 4521 - 4555

Directory Year	Address No.	Occupant
2008-2009	4521-4555	Commercial/Industrial
1998-1999	4521	Hawley Signs & Graphics
	4543	Axle Automotive
1988-1989		Street Not Listed

APPENDIX D

Aerial Photographs



430 0 430

SCALE 1:15,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

DATA PROVIDED BY ESRI CANADA, 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

Golder Associates
Ottawa, Ontario

PROJECT No.	13-1122-0211
SCALE	AS SHOWN
REV.	0
DATE	2013-10-31
DESIGN	MS
GIS	JEM
CHECK	MS
REVIEW	DHP

TITLE

1945 AIR PHOTO

PROJECT PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

APPENDIX D-1

Path: N:\Active\20131122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMGIS\MXDs\1311220211-1000-D1.mxd

360 0 360

SCALE 1:12,500 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

DATA PROVIDED BY ESRI CANADA, 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

Golder Associates
Ottawa, Ontario

PROJECT No.	13-1122-0211
SCALE	AS SHOWN
REV.	0
DATE	2013-10-31
DESIGN	MS
GIS	JEM
CHECK	MS
REVIEW	DHP

TITLE

1956 AIR PHOTO

PROJECT PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

APPENDIX D-2

Path: N:\Active\20131122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMGIS\MXDs\1311220211-1000-D2.mxd

210 0 210

SCALE 1:7,500 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

DATA PROVIDED BY ESRI CANADA, 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

Golder Associates
Ottawa, Ontario

PROJECT No.	13-1122-0211
SCALE	AS SHOWN
REV.	0
DATE	2013-10-31
DESIGN	MS
GIS	JEM
CHECK	MS
REVIEW	DHP

TITLE

1968 AIR PHOTO

PROJECT

PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

APPENDIX D-3

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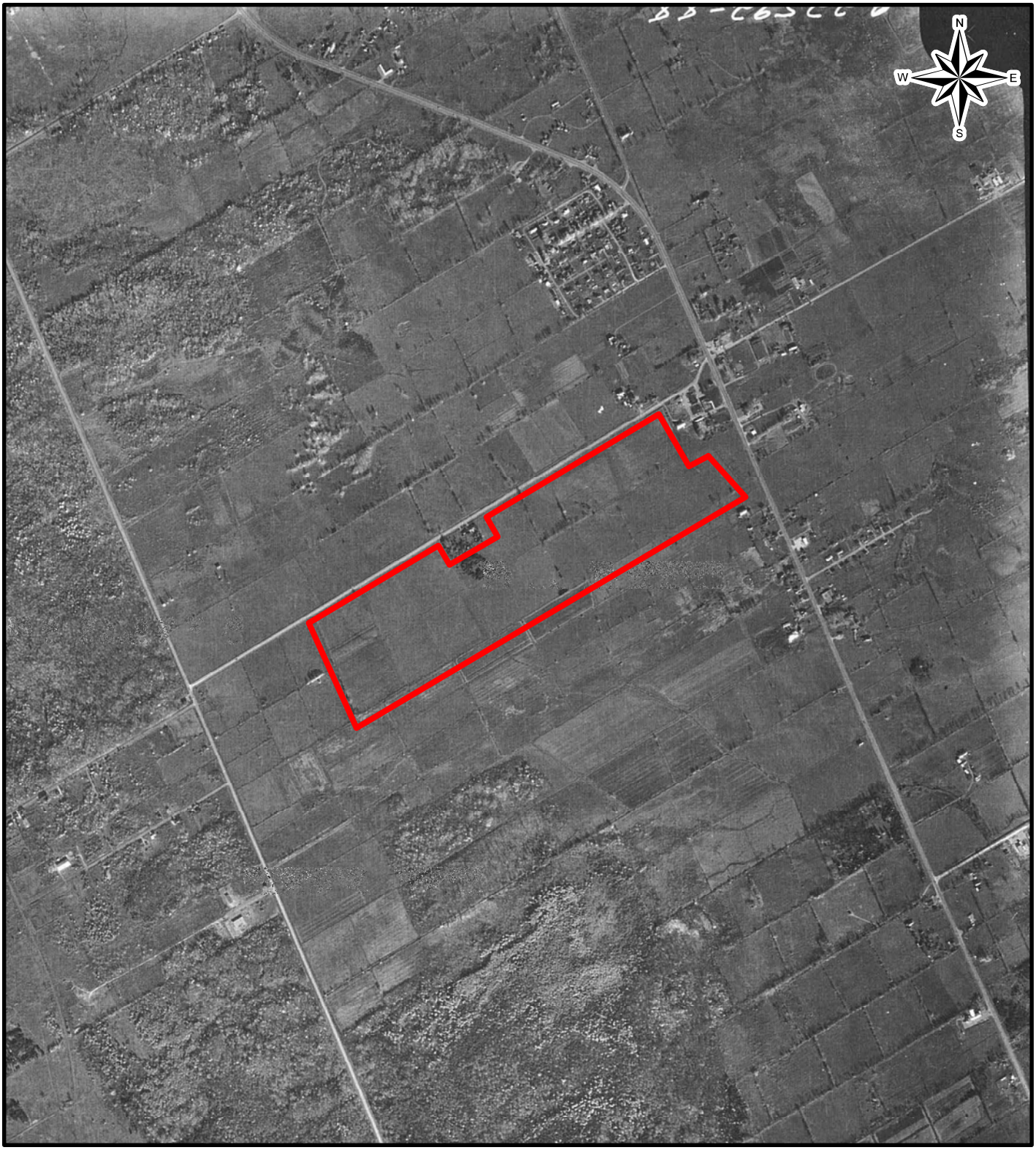

580 0 580

SCALE 1:20,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

DATA PROVIDED BY ESRI CANADA, 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

Golder Associates
Ottawa, Ontario

PROJECT No.	13-1122-0211
SCALE	AS SHOWN
REV.	0
DATE	2013-10-31
DESIGN	MS
GIS	JEM
CHECK	MS
REVIEW	DHP

TITLE

1971 AIR PHOTO

PROJECT: PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

APPENDIX D-4

Path: N:\Active\20131122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMGIS\MXDs\1311220211-1000-D4.mxd

580 0 580

SCALE 1:20,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

DATA PROVIDED BY ESRI CANADA, 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

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Ottawa, Ontario

PROJECT No.	13-1122-0211
SCALE	AS SHOWN
REV.	0
DATE	2013-10-31
DESIGN	MS
GIS	JEM
CHECK	MS
REVIEW	DHP

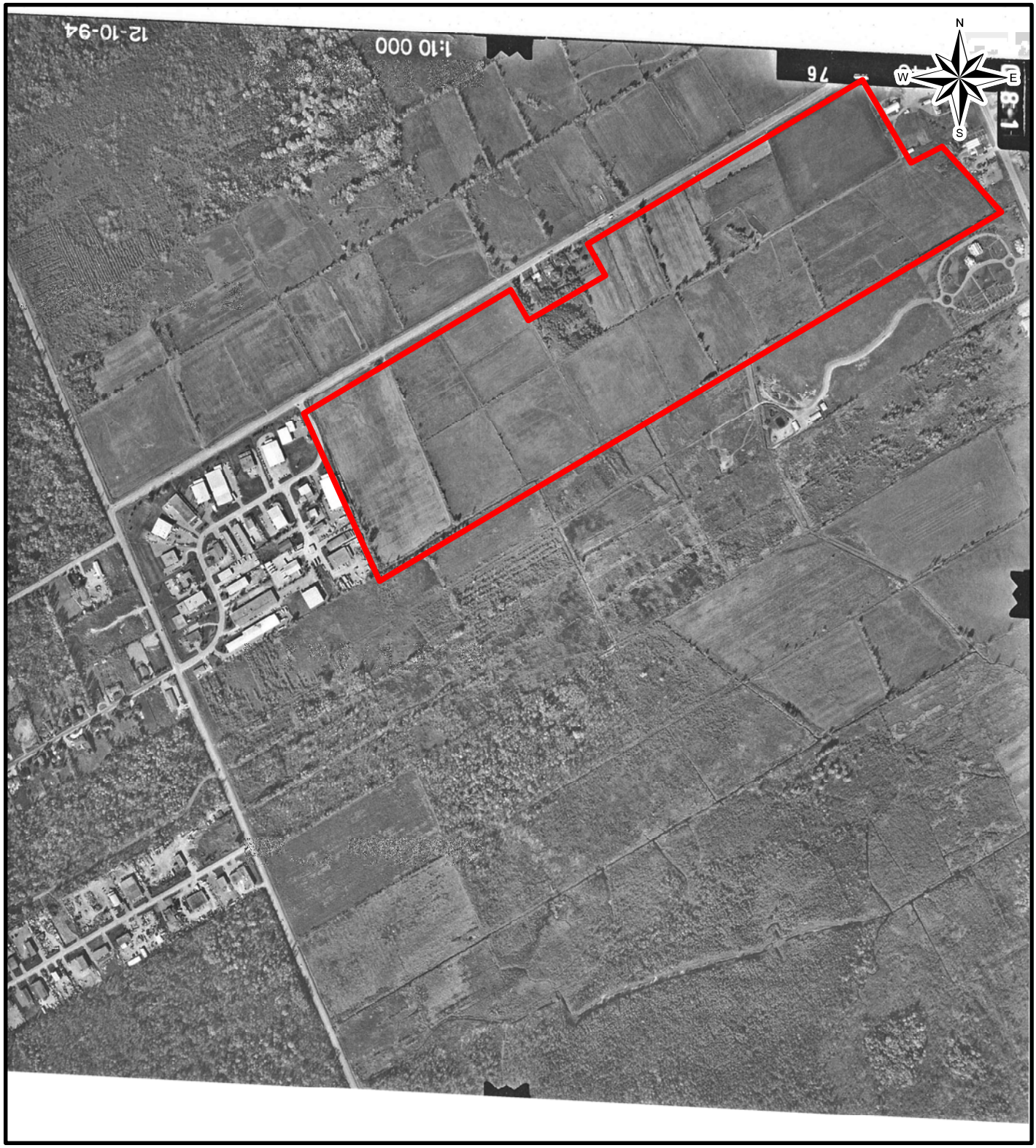
TITLE

1986 AIR PHOTO

PROJECT: PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

APPENDIX D-5

Path: N:\Active\20131122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMGIS\MXDs\1311220211-1000-D5.mxd



360 0 360

SCALE 1:12,500 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0211

REFERENCE

DATA PROVIDED BY ESRI CANADA, 2011
DATUM: NAD 83, COORDINATE SYSTEM: UTM ZONE 18

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Ottawa, Ontario

PROJECT No.	13-1122-0211
SCALE	AS SHOWN
REV.	0
DATE	2013-10-31
DESIGN	MS
GIS	JEM
CHECK	MS
REVIEW	DHP

TITLE

1994 AIR PHOTO

PROJECT: PHASE I ESA, 2960 LEITRIM ROAD, OTTAWA, ON

APPENDIX D-6

Path: N:\Active\20131122 - Contaminated Lands\13-1122-0211 Phase I ESA, Tartan, 2960 Leitrim Rd\Spatial_IMGIS\MXDs\1311220211-1000-D6.mxd

APPENDIX E

Site Photographs

Photograph 1: View of the west part of Site looking southeast.

Photograph 2: View of the west Site boundary and adjacent lands west of the Site looking south.

Photograph 3: View of the north Site boundary along Leitrim Road looking east.

Photograph 4: View of the west part of the Site looking west.

Photograph 5: View of the adjacent residential houses north of the central part of the Site looking east.

Photograph 6: View of the central part of the Site looking south from Leitrim Road.

Photograph 7: View of the central part of the Site and a hydrant looking south.

Photograph 8: View of the central and east part of the Site looking southeast.

Photograph 9: View of a drainage ditch located in the central part of the Site.

Photograph 10: View of the dirt road crossing the central part of the Site looking east.

Photograph 11: View of the water pond observed in the central part of the Site.

Photograph 12: View of the east part of the Site and adjacent properties east of the Site (Gloucester municipal yard)

Photograph 13: View of the northeast part of the Site and adjacent lands looking northeast.

Photograph 14: View of the debris (wood, cardboard, cut trees and branches) observed in the central part of the Site.

Photograph 15: View of the east part of the Site looking west.

Photograph 16: View of the adjacent lands east of the Site (Gloucester municipal yard).

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